NOTICE OF MEETING

Meeting 2019/03 of the Graduate Studies Committee will be held at 10:00am on Tuesday 30 April in the Function Room, Level 5, F23. The Agenda for the meeting is below.

Dr Glenys Eddy
Committee Officer

AGENDA

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<td>No new course proposals nor major course amendments were submitted for this meeting.</td>
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Respect is a core value of the Academic Board
4.6 **Engineering and Information Technologies:** Master of Data Science

4.7 **Sydney Law School:** School and Course Resolutions

4.8 **Sydney Law School:** Law PG units amendment

4.9 **Science:** Bachelor of Veterinary Biology/Doctor of Veterinary Medicine; Doctor of Veterinary Medicine

4.10 **Science:** Master of Agriculture and Environment

4.11 **Science:** Master of Marine Science and Management

4.12 **Science:** Master of Mathematical Sciences

4.13 **Medicine and Health:** Master of Medicine and Master of Science in Medicine (infection and Immunity) and related Graduate Certificates and Diplomas

4.14 **Medicine and Health:** Master of Pharmacy

4.15 **Medicine and Health:** Master of Public Health

4.16 **Medicine and Health:** Master of Global Health

4.17 **Business:** Master of Business Administration

4.18 **Business:** Master of Commerce

4.19 **Business:** Master of Management (CEMS)

*Higher Degree by Research*

No submissions for this agenda.

5 **ITEMS FOR NOTING**

5.1 **Respectful Research Supervisory Relationships**

6 **OTHER BUSINESS**

7 **NEXT MEETING**

Date: Tuesday 18 June  
Time: 10:00am – 12:00pm  
Location: Function Room, Level 5, F23
TERMS OF REFERENCE

PURPOSE
The Graduate Studies Committee assists the Academic Board in ensuring the maintenance of the highest standards and quality in teaching, learning, research training and scholarship at the University of Sydney. It advises the Academic Board about resolutions, policy and procedures relating to postgraduate study at the University. It determines postgraduate matters, including the approval of new and amended courses, in accordance with the University of Sydney (Delegations of Authority – Academic Functions) Rule 2016.

TERMS OF REFERENCE

1. To advise the Academic Board on resolutions, policy and procedures relating to postgraduate studies in the University.

2. To make recommendations to the Academic Board regarding:
   2.1. proposals to introduce new postgraduate award courses and amendments to existing postgraduate award courses; and
   2.2. requirements to be satisfied by candidates for the award of a degree, diploma or certificate.

3. To provide academic oversight in relation to domains 1.4.1; 1.4.2; 1.4.5, 1.4.6, 1.4.7, 1.5.2; 3.1.1, 3.1.2, 3.1.3; 3.1.4; 3.1.5; 4.2.1(a) – (e) inclusive, 5.1.2; 5.1.3, 5.4.2 and 6.3.2(c) of the Higher Education Standards Framework (Threshold Standards) 2015.

4. To ensure graduate education is compliant with appropriate rules, policies and procedures, including, but not limited to the:
   - University of Sydney (Coursework) Rule 2014
   - Coursework Policy 2014
   - Assessment Procedures 2011
   - Learning and Teaching Policy 2015
   - Learning and Teaching Procedures 2016
   - Academic Honesty in Coursework Policy 2015
   - Academic Honesty Procedures 2016
   - University of Sydney (Higher Degree by Research) Rule
   - Thesis and Examination of Higher Degree by Research Policy 2015
   - Thesis and Examination of Higher Degree by Research Procedures 2015
   - Thesis and Examination of Higher Degrees by Research Guidelines for Examiners.

5. To act for the Academic Board in:
   5.1. admitting candidates, on the advice of the Faculty, University School or Board of Studies concerned, for higher doctorates; and
   5.2. determining, on the recommendation of the Faculty, University School or Board of Studies concerned, whether or not a higher doctorate be awarded.

6. To contribute to the development of the University’s strategic objectives in relation to postgraduate study and research training, and to develop, recommend to the Academic Board, and regularly review resolutions, policy and procedures supporting those strategic objectives.

7. To receive reports from, and provide advice to, the Deputy Vice-Chancellor (Education), and, where appropriate the Deputy Vice-Chancellor (Research), the Registrar and the Pro-Vice-Chancellor (Global Engagement) on matters relating to postgraduate study and research training at the University.

8. To recommend to the Academic Board effective policy and procedures for Higher Degree by Research students.

9. To obtain information or reports from any Faculty, University School, Board of Studies, school or department, the Library or other academic unit on academic matters relating to postgraduate studies.

10. To ensure proper communication channels are established with other committees of the Academic Board and University Executive to promote cross-referencing and discussion of matters concerning postgraduate students.
11. To determine the terms and conditions of awards, postgraduate scholarships and prizes established within the University.

12. To provide regular reports on its activities under its terms of reference to the Academic Board.

13. To consider and report on any matter referred to it by the Academic Board or its committees, the University Executive or the Vice-Chancellor.

Note: The Chair of the Graduate Studies Committee has, in some circumstances, delegated authority under the University of Sydney (Delegations of Authority – Academic Functions) Rule 2016, including to vary the requirements for a particular candidate for a higher doctorate or Doctor of Philosophy in exceptional circumstances.
GRADUATE STUDIES COMMITTEE

10:00am – 12:00pm, Tuesday 26 March 2019
Western Tower Board Room, Quadrangle, A14

Members: Professor Michael Kertesz (Chair); Associate Professor Patrick Kelly (Medicine) (Deputy Chair); Associate Professor Matthew Beck (Business); Professor Ross Coleman (Director, Graduate Research); Edwina Grose (Nominee of the Deputy Registrar); Dr Janice Gullick (representing Dr Andrea Mcloughen, Nursing & Midwifery); Dr Peter Kench (Academic Board nominee); Associate Professor Lynette MacKenzie (Health Sciences); Associate Professor Helen Mitchell (representing Dr Christopher Coady, Conservatorium of Music); Professor Pauline Ross (Science); Dr Jan Shaw (Arts & Social Sciences); Associate Professor Masahiro Takatsuka (representing Dr Petr Matous, Engineering and Information Technologies); Associate Professor Martin Tomitsch (representing Associate Professor Lee Stickells, Architecture, Design & Planning); Dr Gareth Vio (Academic Board nominee); Dr Munira Xaymardan (Dentistry).

Attendees: Dr Matthew Charet (Executive Officer to Academic Board); Dr Glenys Eddy (Committee Officer); Dr Hayley Fisher (Academic Director, Post Bachelor and Continuing Education, Education Strategy); Charlie Foxlee (Manager, Academic Model); Dr Nathan Johnson (Health Sciences); Associate Professor Annette Katelaris (Medicine and Health); Christine Lacey (Team Leader, Curriculum, Engineering and Information Technologies); Professor Peter McCallum (Director, Education Strategy); Laurie Monier-Pilgrim (Project Officer, Education Strategy); Karen Moses (University Senate Fellow); Associate Professor Kathleen Nelson (Conservatorium of Music); Dr Timothy Schlubb (Public Health); Georgina Wheadon (Manager Policy and Projects, Education Strategy).

Apologies: Professor Jo-Anne Brien (Pharmacy); Dr George Carayannopoulos (Head, HDR Administration Centre); Dr Christopher Coady (Sydney Conservatorium of Music); Associate Professor Tony Masters (Chair of the Academic Board); Dr Petr Matous (Engineering & IT); Dr Andrea Mcloughen (Nursery & Midwifery); Professor Shae McCrystal (Chair, HDR Scholarships Sub-Committee); Associate Professor Nicole Mockler (Academic Board); Professor Cameron Stewart (Law); Associate Professor Lee Stickells (Architecture, Design & Planning); Kelly Wang (nominee of the President, SUPRA).

UNCONFIRMED MINUTES

1 WELCOME AND APOLOGIES

The Chair welcomed everyone to the meeting, and noted the apologies listed above. The Chair extended a special welcome to Karen Moses, University Senate Fellow.

Resolution GSC2019/2-1

That the Graduate Studies Committee resolved to accept the apologies as recorded.

2 PROCEDURAL MATTERS

2.1 Minutes of Previous Meeting

The minutes of the previous meeting held on 5 February were accepted without comment.

Resolution GSC2019/2-2

That the Graduate Studies Committee resolved that the minutes of meeting 2019/01, held on 5 February 2019, be confirmed as a true record of that meeting.

2.2 Actions Arising

The Chair gave a brief report on actions arising from the previous meeting. All proposals endorsed at the previous meeting had been submitted to Academic Board for approval. All items

Respect is a core value of the Academic Board
that had been conditionally approved had been amended accordingly before submission to Academic Board.

**Resolution GSC2019/2-3**

*That the Graduate Studies Committee resolved to note the updates provided on actions arising from the previous meeting.*

### 3 STANDING ITEMS

#### 3.1 Report of the Chair

The Chair referred members to his written report which listed the three HDR thesis embargo requests granted in the period since the previous meeting, and welcomed two new members to the Committee.

The Chair also reported the reason for the change of meeting date from 12 to 26 March. Several papers had been outstanding on the Friday before the scheduled 12 March meeting. Given that members should have a week to read the agenda pack, the meeting was rescheduled to accommodate the necessary reading time. A benefit of the delay had been that some proposals not ready for submission were withdrawn or thoroughly re-written after further consultation allowing for a better condition of readiness for submission. The Chair took the opportunity to remind members that proposals submitted to GSC are meant to be ready for endorsement for submission to Academic Board, where they are potentially approved without further review or discussion.

During discussion the following observations were made:

- There is discussion around the Secretariat providing training FOR Faculty curriculum officers in the development and submission of curriculum change proposals.
- The SOM project concerning the review of the curriculum change management process is underway.
- The currently short lead-in time for the preparation and submission of proposals through the approval process from faculty to Academic Board is creating strain at faculty-level.

**Resolution GSC2019/2-4**

*That the Graduate Studies Committee resolved to note the report of the Chair.*

#### 3.2 Report of the Academic Board

Dr Matthew Charet, EO to Academic Board, presented the report of Academic Board on behalf of Associate Professor Masters, an apology for this meeting. The report was noted without comment.

**Resolution GSC2019/2-5**

*That the Graduate Studies Committee resolved to note the report of the Academic Board for its meeting held on 5 March 2019.*

#### 3.3 Report of HDR Scholarships Sub-Committee

The Chair drew the meeting’s attention to the small number of scholarships awarded to date in 2019, noting that this is to be expected of the first round for the year.

**Resolution GSC2019/2-6**

*That the Graduate Studies Committee resolved to note the report from the Higher Degree by Research Scholarships Sub-Committee (HDRSSC) for its meeting held on 1 February 2019.*
3.4 Report of the Board of Interdisciplinary Studies, 20 February 2019

The report of the Board of Interdisciplinary Studies was noted without comment.

Resolution GSC2019/2-7

That the Graduate Studies Committee resolved to note the report from the Board of Interdisciplinary Studies for its meeting held on 20 February 2019.

4 ITEMS FOR ACTION

Major Course Proposals

4.1 Education Portfolio: Sydney Professional Certificate Full Course Proposal

Dr Fisher presented the full course proposal for the Sydney Professional Certificate to the Committee. Approval had been given for this proposal to be submitted in parallel to Graduate Studies, the Board of Interdisciplinary Studies, and the UE Curriculum and Course Planning Committee. The proposal was on the latter committee's agenda for its next meeting.

The proposal presented twenty one courses, most from the Faculty of Medicine and Health and one from Arts and Social Sciences, with one amendment, the course Aboriginal and Torres Strait Islander Health to be removed at this time. Signatures from Finance and FASS were pending. The Chair commended the Education Portfolio for its re-working of the stream structure as separate courses.

Medicine agreed to Dr Shaw's request that the Data Literacy for Policy Makers be re-titled Data Literacy for Health Policy Makers, given that the course will deal with data and policy issues in the area of health.

System Build

Edwina Grose confirmed that from the perspective of the Academic Model Team, a large volume of work will be generated regardless of whether the Team will be building streams or courses. She also noted that using courses will resolve several other operational matters.

Course Resolutions

The Chair noted that although qualification type is normally defined by the Coursework Rule and Policy, these do not define professional credentials. Dr Fisher reported that a proposal will be submitted to Academic Standards and Policy Committee. As it is not feasible for resolutions to refer to policies under development or amendment, Dr Charet suggested that a note be added to the cover sheet with an update about changes proposed, given that there was still time to rectify this for a 2020 implementation. Associate Professor McCallum explained that whilst a change to the Coursework Rule is not necessary as there is a reference to non-AQF qualifications, a change to the Coursework Policy was flagged in the proposal considered at the last GSC meeting. The cover sheet for Academic Board submission will list the changes to the proposal as a result of this meeting.

To the question of whether “admission requirements” should be qualified with “where relevant”, Associate Professor McCallum stated that the requirement of a bachelor degree is non-negotiable.

Offerings, Fee Structure and Project Student Numbers

Tim Schlubb suggested changing the fee structure to increase the projected student numbers, observing the undesirability of the implementation of these professional credentials being delayed due to low student numbers. There was support for the further evaluation of the projected income needed and the evaluation of projected income versus students numbers. During discussion, the following was established:

- Medicine are aiming to maximize their offering for inter-professional learning by means such as structuring specific units, for instance metabolic units, aimed at interdisciplinary learning.
- Offerings could be broadened by offering more units choices within a study area rather than the 2-unit combinations. Currently we can only offer units that require no prerequisites; eligible students could be allowed to take the advanced units for upskilling.
or for people who need a little training in an area, for instance, in cases where their job description has changed. Associate Professor McCallum considered prerequisites necessary to ensure that students admitted have the required prior knowledge. It was noted that the prerequisite limit is an operational rather than a philosophical consideration.

- The proposed Sydney Professional Certificate is not the only type of microcredential that the University can offer. Medicine is leading this form because it has a clear idea of the type of student they wish to attract. Offerings of two units of unspecified content will constitute a different type of microcredential.

- It was established that a number of these courses specify the first unit as a prerequisite for the second. These have been devised taking timetabling into account with care not to offer these in the same semester given that they are targeted at the very busy professional.

The Committee endorsed the proposal for submission to Academic Board, conditional upon endorsement from both the UE Curriculum and Course Planning Committee and the Board of Interdisciplinary Studies.

**Action Item GSC 19/2-1**

*Education Strategy to make the following resolution amendments:*

- Amend Course Resolutions 6 (2) (a) to read “a Bachelor’s Degree or higher award in a relevant discipline where required, as specified in Table A. ….”
- Add the Bachelor of Advanced Studies, Master of Advanced Studies and the PhD to the Senate Resolutions, 2. Degrees.
- Delete Aboriginal and Torres Strait Islander Health stream from the Senate and Course Resolutions
- Change title of Data Literacy to Data Literacy for Health Policymakers in the Senate and Course Resolutions

**Resolution GSC2019/2-8**

That the Graduate Studies Committee recommend that Academic Board:

1. approve the proposal from the Deputy Vice-Chancellor Education Portfolio to introduce the Sydney Professional Certificate;
2. recommend that Senate approve the amendment to the Senate Resolutions arising from the proposal; and
3. approve the introduction of the course resolutions and unit of study tables arising from the proposal, with effect from 1 January 2020.

**4.2 Arts and Social Sciences: Master of Education major course amendment (full proposal)**

Dr Jan Shaw presented the proposal, consisting of the addition of a new stream in Digital Technologies to the existing degree. The stream resulted from collaboration between the School of Education and Social Work and the School of Information Technologies, and will be delivered completely online. There is a market for this offering as there is no comparable course on offer and digital technologies is required for teaching in Australian schools.

The Chair requested that FASS consider rewording the section on admission criteria for clarity concerning admission to each award within the award sequence. This action was not considered essential for the proposal’s submission to Academic Board, but could be undertaken later.

The Committee endorsed the proposal pending the deletion of paragraph 2 from the Transitional Provisions of the course resolutions.

**Action Item GSC 19/2-2**

FASS to make the following amendment to the Master of Education course resolutions:

- delete 2nd paragraph of the Transitional Provisions.

**Resolution GSC2019/2-9**

That the Graduate Studies Committee recommend that Academic Board:
(1) approve the proposal from the Faculty of Arts and Social Sciences to amend the Master of Education and the embedded Graduate Diploma in Educational Studies and Graduate Certificate in Educational Studies; and
(2) approve the amendments to the course resolutions and unit of study tables arising from the proposal, with effect from January 1, 2020.

4.3 Health Sciences: Master of Exercise Physiology major course amendment (full proposal)

Dr Nathan Johnson presented the proposal to amend the Master of Exercise Physiology by reducing the course's credit-point value from 96 to 72 to give the degree a more competitive position within the domestic market, and to align the curriculum so that it meets the current accreditation requirements which have changed since the previous Masters was implemented.

It was recommended that the second paragraph of the Transitional Provisions be deleted.

After discussion, the Committee established that the statement relating to “automatic exclusion” the second sentence in 6. Progression rules, needed to be removed as students must be given opportunity to “show cause”.

The proposal was endorsed for submission to Academic Board, conditional upon the amendments to the course resolutions listed below having been made.

Action Item GSC 19/2-3

Health Sciences to make the following corrections to the proposed course resolutions:
- delete second paragraph of transitional provisions
- delete the second sentence, referring to “automatic exclusion”, of 6. Progression Rules
- the Capstone unit co-requisite that was identified as not existing, needs to be corrected.

Resolution GSC2019/2-10

That the Graduate Studies Committee recommend that Academic Board:
(1) approve the proposal from the Faculty of Health Sciences to amend the Master of Exercise Physiology;
(2) recommend that Senate approve the amendment to the Senate Resolutions arising from the proposal; and
(3) approve the amendment of the course resolutions and unit of study tables arising from the proposal, with effect from 1 January 2020.

4.4 Medicine and Health: Master of Surgery

Associate Professor Katalaris presented the proposal to amend the Master of Surgery, to simplify what is currently a complicated degree with 18 streams and a dissertation with only two units of study. The aim is to set up one Master of Surgery with a Graduate Certificate and Graduate Diploma as exit points, to embed the advanced clinical skills, and to place the Breast Surgery offering into the Advanced Surgery degree.

During discussion the following points were raised:
- The existing Master of Surgery degrees are flagged for deletion in the Senate Resolutions; if students are still enrolled these degrees need to remain.
- In the course articulation sequence in the Course Resolutions, 4. Embedded courses in this sequence, the articulation relationship between this Masters degree and the three existing graduate certificate award courses seemed unclear, as two of these seemed unrelated to the Master of Surgery. Associate Professor Katalaris clarified that articulation to the Masters was possible from all three graduate certificates because their entire collection of units was available in the Master of Surgery.
- The use of the term selective, where it appeared to be used to denote core units of study, was a potential source of confusion. Georgina Whealon clarified the use of the terms core and selective, the latter meaning a unit selected from a group of units.
Dr Charet undertook to forward feedback on the proposal from the Chair, Academic Board, to Medicine and Health. The Chair thanked Medicine for a well-thought-through proposal, and for the useful inclusion of responses from other committees.

The Committee Officer undertook to amend the recommendation to include the graduate certificates to the award courses for amendment.

The proposal was endorsed for submission to Academic Board.

**Action Item GSC 19/2-4**

The Committee Officer to amend the recommendation to:

- include the embedded sequence of award courses to the award courses for amendment
- add the recommendation to Senate of the amendment to the Senate Resolutions.

The amended resolution is below.

**Resolution GSC2019/2-11**

That the Graduate Studies Committee recommend that Academic Board:

1. approve the proposal from the Faculty of Medicine and Health to amend the Master of Surgery; the Graduate Diploma in Surgery; the Graduate Certificate in Surgery; the Graduate Certificate in Surgical Sciences; the Graduate Certificate in Advanced Clinical Skills (Surgical Anatomy); and
2. recommend that Senate approve the amendment to the Senate Resolutions arising from the proposal; and
3. approve the amendments to the course resolutions and the unit of study tables arising from the proposal, with effect from 1 January 2020.

### 4.5 Medicine and Health: Master of Advanced Surgery

Associate Professor Katelaris presented the proposal to introduce the Master of Advanced Surgery, with streams in Breast Surgery and Uro-Oncology. This degree is especially aimed at already-qualified breast surgeons skilled in surgical techniques with full college membership needing some formal coursework, and for those who need to know about multi-disciplinary care.

During discussion the Committee made the following recommendations:

- In the Course Resolutions, the Admission Requirements should contain a reference to an AQF level. Although it was noted that AQF 8 was known to be the minimum for these degrees, the resolutions needed to state it.

- In Section 9. Commencement of these resolutions, any reference to transitional arrangements is redundant given that this is a new degree, and should be deleted.

- The recommendation to Academic Board needs to contain the award courses in the embedded sequence, and the recommendation to Senate to amend the Senate Resolutions.

The proposal was endorsed for submission to Academic Board, conditional upon the amendments listed below having been made.

**Action Item GSC 19/2-5**

Medicine and Health to make the following amendments to the course resolutions:

- add a reference to the appropriate AQF level to the Admission Requirements
- delete any reference to transitional arrangements (not required for a new course).

Committee Officer to amend the recommendation to:

- include the embedded sequence of award courses to the award courses for amendment
- add the recommendation to Senate of the amendment to the Senate Resolutions.

The amended resolution is below.
Resolution GSC2019/2-12
That the Graduate Studies Committee recommend that Academic Board:
(1) approve the proposal from the Faculty of Medicine and Health to introduce the Master of Advanced Surgery; the Graduate Diploma in Advanced Surgery; the Graduate Certificate in Advanced Surgery;
(2) recommend that Senate approve the amendment to the Senate Resolutions arising from the proposal; and
(3) approve the introduction of the course resolutions, and the unit of study tables arising from the proposal, with effect from 1 January 2020.

4.6 Medicine and Health: Master of Medicine (Genomic and Precision Medicine)
Associate Professor Katelaris presented the proposal, consisting of the addition of a stream focussed on Genomics, specifically for doctors rather than scientists. This stream aims to fulfil the demand for genomics in many different areas of medicine. The Faculty is developing another stream specifically for scientists. The Chair noted that Section 5 (1) does not specify clearly the differing requirements for medical graduates and science graduates. The second paragraph of the Transitional Provisions needed to be removed.

The Committee endorsed the proposal for submission to Academic Board, conditional upon these amendments to the course resolutions having been made.

Action Item GSC 19/2-6
Medicine and Health staff to make the following amendments to the course resolutions for submission of the proposal to Academic Board:
- to amend 5 (1) to clarify the different requirements for medical graduates and non-medical graduates
- to delete the second paragraph in the Transitional Provisions, 8 (2) (p. 394 of agenda pack)
- to update the Senate Resolutions for the Graduate Diploma, such that the abbreviation reads GradDipMed.

Resolution GSC2019/2-13
That the Graduate Studies Committee recommend that Academic Board:
(1) approve the proposal from the Faculty of Medicine and Health to amend the Master of Medicine;
(2) recommend that Senate approve the amendment to the Senate Resolutions arising from the proposal; and
(3) approve the amendments to the course resolutions, and the unit of study tables arising from the proposal, with effect from 1 January 2020.

Minor Course Proposals

4.7 Architecture, Design and Planning: Master of Design
Associate Professor Tomitsch presented Items 4.7 and 4.8 together. The proposals consisted of amendments to Capstone units, and in the Master of Urbanism, the replacement of one core unit with a strategic planning unit which is of more general applicability.

Associate Professor Beck, observing that one of the unit’s titles was very similar to one of the Business units, suggesting that the title be changed. Business undertook to collaborate with Architecture concerning this. The proposal was endorsed for submission to Academic Board.

Resolution GSC2019/2-14
That the Graduate Studies Committee recommend that Academic Board:
(1) approve the proposal from the School of Architecture, Design and Planning to amend the Master of Design (single specialisation) and Master of Design (double specialisation), and embedded Graduate Diploma in Design; and
(2) approve the amendment to the unit of study tables arising from the proposal, with effect from 1 January 2020.

4.8 Architecture, Design and Planning: Master of Urbanism

This proposal was endorsed for submission to Academic Board. Please refer to discussion under Item 4.7.

Resolution GSC2019/2-15
That the Graduate Studies Committee recommend that Academic Board:

(1) approve the proposal from the School of Architecture, Design and Planning to amend the Master of Urbanism and the embedded Graduate Diploma in Urbanism; and

(2) approve the amendments to the Unit of Study table arising from the proposal, with effect from 1 January 2020.

4.9 Arts and Social Sciences: Master of Contemporary Art

Dr Shaw presented items 4.9 and 4.10 together. The proposals for the suspension of the Master of Contemporary Art, a continuing suspension and for the Master of International Studies, a new suspension due to low enrolment numbers, and the suspension of their embedded degrees, were endorsed for submission to Academic Board.

Resolution GSC2019/2-16
That the Graduate Studies Committee recommend that Academic Board:

(1) approve the proposal from the Faculty of Arts and Social Sciences to suspend new admissions to the Master of Contemporary Art and embedded Graduate Diploma in Contemporary Art; and

(2) recommend that Senate approve the amendment to the Senate Resolutions arising from the proposal, with effect from 1 January 2020.

4.10 Arts and Social Sciences: Master of International Studies

The proposal was endorsed for submission to Academic Board. Please refer to discussion under Item 4.9.

Resolution GSC2019/2-17
That the Graduate Studies Committee recommend that Academic Board:

(1) approve the proposal from the Faculty of Arts and Social Sciences to suspend new admissions to the Master of International Studies, and the embedded Graduate Diploma of International Studies and Graduate Certificate of International Studies; and

(2) recommend that Senate approve the amendment to the Senate Resolutions arising from the proposal, with effect from 1 January 2020.

4.11 Arts and Social Sciences: Master of Teaching

Dr Shaw presented the proposal to amend the Master of Teaching to ensure compliance with the external accrediting body, NSW Education Standards Authority (NESA). Students entering the degree need to do an extra unit. Rather than their completing the whole degree and then the extra unit for accreditation purposes, it is proposed to add the extra unit to the current degree. Space for this extra unit is made by reducing a 12 credit-point internship unit to 6 credit points; those students who do not need to do the extra unit for accreditation take an extra elective unit instead.

During discussion the following matters were raised and resolved:

- The year in the Transitional Provisions of the Course Resolutions needs to be amended from 2015 to 2020.

- Although the resolutions do specify the required credit points, Dr Fisher noted that students are given appropriate enrolment advice if they need to take the extra unit.

- To the question of how this change will be communicated to students, Dr Fisher reported that Education and Social Work undertake a large amount of course planning guidance for their students; students are given the advice when they apply for entry, and can choose to overload in their first semester. Dr Shaw will obtain more information about
how this will continue to be managed. It was noted that communication with students is a separate matter from the proposal under consideration.

The proposal was endorsed for submission to Academic Board.

**Action Item GSC 19/2-7**
The year is to be amended to 2020 from 2015 in the Transitional Provisions of the Course Resolutions (Committee Officer to execute).

**Resolution GSC2019/2-18**
That the Graduate Studies Committee recommend that Academic Board:

1. approve the proposal from the Faculty of Arts and Social Sciences to amend the Master of Teaching; and
2. approve the amendment of the course resolutions and unit of study tables arising from the proposal, with effect from 1 January 2020.

**4.12 Engineering and IT:**
Master of Engineering (Biomedical); Master of Professional Engineering (Biomedical); Master of Professional Engineering (Accelerated) (Biomedical)

Christine Lacey presented the proposal to the Committee, noting that as Biomedical Engineering has transitioned from a discipline within the School of Aeronautical, Mechanical and Mechatronic Engineering to being a separate school within the Faculty, new unit codes for Biomedical project and capstone units are proposed for implementation in 2020. The Chair requested that prohibitions on the units being substituted be added to the unit tables.

The proposal was endorsed for submission to Academic Board conditional upon the addition of prohibitions to the unit tables.

**Action Item GSC 19/2-8**
Engineering and Information Technologies to add the unit prohibitions, i.e., the existing alternative disciplinary versions of these new units, to the unit tables in the proposal.

**Resolution GSC2019/2-19**
That the Graduate Studies Committee recommend that Academic Board:

1. approve the proposal from the Faculty of Engineering and Information Technologies to amend the Master of Professional Engineering, Master of Professional Engineering (Accelerated) and Master of Engineering Biomedical streams; and
2. approve the amendment to the table of Units of Study arising from these proposals, with effect from 1 January, 2020.

**4.13 Engineering and IT:**
Master of Information Technology; Master of Information Technology Management

Associate Professor Takatsuka presented the proposal for a change of title for the “IT Security” major to “Cybersecurity”. The new title is intended to reflect the more political dimension of the major and its input from FASS, as well as having been shown to be more popular with students. It was established that Cybersecurity does not overlap with any other curriculum offering by the University. The proposal was endorsed for submission to Academic Board.

**Resolution GSC2019/2-20**
That the Graduate Studies Committee recommend that Academic Board:

1. approve the proposal from the Faculty of Engineering and Information Technologies to amend the Master of Information Technology and the Master of Information Technology/Master of Information Technology Management
2. approve the amendment to the course resolutions and the table of Units of Study arising from the proposal, with effect from 1 January, 2020.

**4.14 Engineering and IT: Graduate Diploma in Computing**

Associate Professor Takatsuka presented the proposal to amend the course resolutions for the Graduate Diploma in Computing (GDC). Whilst this diploma is not accredited, students can gain entry to the Master of Information Technology (MIT) with the GDC, and on completing the MIT they will meet the accreditation requirements. The course resolutions need amendment to clarify
that study in the areas of programming, modelling, database, and networking are required by the Australian Computer Society (ACS) for accreditation.

It is also proposed to delete two units from the Information Technology Management Specialist units within the Graduate Diploma in Computing (GDC) – INFO5992 Understanding IT Innovations and INFO6007 Project Management in IT. The two units are core for the MIT; problems with granting credit will be resolved if these units are removed from the GDC.

The proposal was endorsed for submission to Academic Board.

Resolution GSC2019/2-21
That the Graduate Studies Committee recommend that Academic Board:
(1) approve the proposal from the Faculty of Engineering and Information Technologies to amend the Graduate Diploma in Computing; and
(2) approve the amendment to the course resolutions and the table of Units of Study arising from the proposal, with effect from 1 January, 2020.

4.15 Conservatorium: Master of Music (Composition); Master of Music (Performance)
Associate Professor Mitchell presented the proposal to replace four 16 credit-point units of study which are currently part of the first year of the research degrees: Master of Music (Performance) and Master of Music (Composition), with two new 6 credit-point units of study shared across the two degrees. These units of study are no longer suited to current requirements of the degree and the University.

The Chair noted that the Requirements for Completion in the course rules for the Master of Music could outline what is needed for completion of the degree with more clarity at a later time.

Professor Coleman noted that proposals for amendments to research masters degrees must also be submitted to the University Executive Research Education Committee.

The proposal was endorsed for submission to Academic Board.

Resolution GSC2019/2-22
That the Graduate Studies Committee recommend that Academic Board:
(1) approve the proposal from the Sydney Conservatorium of Music to amend the Master of Music (Composition) and the Master of Music (Performance); and
(2) approve the amendment of the unit of study tables arising from the proposal, with effect from 1 January 2020.

4.16 Business: Master of Commerce
Associate Professor Beck presented the proposal to amend the Master of Commerce to fulfil several aims resulting from a review of the degree in 2018. Among these aims were: to maximize efficiency in terms of learning, to make the degree more multi-disciplinary, to reduce the number of specializations with any new 2020 enrolments being restricted to the eight specializations listed in the proposal. Current students will be able to continue as enrolled. Units from the deleted specializations will be placed into the broader specializations.

The proposal was endorsed for submission to Academic Board.

Resolution GSC2019/2-23
That the Graduate Studies Committee recommend that Academic Board:
(1) approve the proposal from the Business School to amend the Master of Commerce (and embedded courses); and
(2) approve amendments to the course resolutions and unit of study tables arising from the proposal with effect from 1 January 2020.

4.17 Business: Master of Management
Associate Professor Beck presented the proposal to amend the Master of Management, a successful degree, being ranked highly in Australia and the Asia-Pacific. It is proposed to reduce the number of units in the program core to lessen its restrictiveness for students. It was clarified
that the three proposed units in the unit table with no assigned credit-point value were intended to be six credit points.

The proposal was endorsed for submission to Academic Board.

Resolution GSC2019/2-24
That the Graduate Studies Committee recommend that Academic Board:
(1) approve the proposal from the Business School to amend the Master of Management; and
(2) approve amendments to the course resolutions and unit of study tables arising from the proposal with effect from 1 January 2020.

4.18 Business: Master of Human Resource Management and Industrial Relations

Associate Professor Beck presented the proposal for unit of study amendments to the degree, and a reduction of the volume of learning for students with both a cognate undergraduate degree and at least two years professional experience in the field of Human Resource Management and Industrial Relations as outlined in the proposal. The proposal was endorsed for submission to Academic Board.

Resolution GSC2019/2-25
That the Graduate Studies Committee recommend that Academic Board:
(1) approve the proposal from the Business School to amend the Master of Human Resource Management and Industrial Relations (and embedded courses); and
(2) approve amendments to the course resolutions and unit of study tables arising from the proposal with effect from 1 January 2020.

Higher Degree by Research

4.19 HDR Coursework – feedback for the GSC, for discussion

Professor Coleman provided an update on the progress of the proposal to introduce coursework into higher degrees by research (HDRs). The Academic Board and the University Executive have endorsed the principle that higher research degree students will take some coursework as part of their HDR candidature, namely, 6 credit points for masters students and 12 credit points for doctoral students. The PhD Coursework model was originally intended for a 2020 implementation, but it was realized that the timelines involved were too ambitious given that the proposal for Table R would need to be presented to the Committee at this meeting, with some work still to do. Professor Coleman complimented the faculties for their work on developing their unit collections for Table R, and noted that students will have abundant units from which to choose.

The work outstanding involves the determination of which PhD codes will be identified with Table R. Although there is one doctoral degree per se for the University, each faculty has its own course code for the degree. As the codes for the new Faculty of Medicine and Health are not yet ready, the decision was taken to delay roll-out until 2021 for the whole University. The University-wide roll-out is expected to have the following benefits:

- all PhD students will be treated the same
- it will enable the completion of the system build with the desired level of rigour
- it will enable the concurrent roll-out of the graduate qualities for doctoral students
- it will allow more time for effective marketing.

In response to questions from members, Professor Coleman confirmed the following:

- the faculties will be given the opportunity to review their Table R units
- the BIS OLE Sub-committee is now looking to fill specific gaps in its offering of OLE units. Faculties might want to submit proposals for the 7 June meeting of the OLE Sub-committee. Whilst there will be no specific call for HDR units, some HDR units will be considered.
- The Chair enquired as to whether the overlap between units in terms of content will be reviewed. Professor Coleman reported that at the time of substantiating the list for Table R, faculties had been asked to reflect on their offerings. Some perceived overlap, for
instance, in the area of quantitative methods, appears to have disappeared and now appears to be offered in different semesters by different faculties.

A request was made for information concerning the development and implementation of Table R to be circulated regularly to faculty curriculum staff. Faculty curriculum committees and faculty boards need to approve proposals for Table R units and staff need to be kept informed about developments in this area. Professor Coleman agreed to brief his staff, but nonetheless expressed the view that the faculties are responsible for managing their own units and milestones with respect to HDR coursework, and for disseminating relevant information to faculty staff.

**Action Item GSC 19/2-9**
As the minutes on this item are required for noting at Academic Board as a record of discussion, the Committee Officer undertook to forward them to Matthew Charet and Georgina Wheadon for review.

**Resolution GSC2019/2-26**
That the Graduate Studies Committee resolved to note the update on the implementation of coursework into Higher Degrees by Research.

**Other Items for Action**

**4.20 Education Portfolio: amendment to Assessment Working Group Terms of Reference**

Associate Professor McCallum presented the proposal to amend the Terms of Reference of the current Assessment Working Group to enable its transition to the Assessment Advisory Committee. The current group’s purpose has included the oversight of the development and review of the University’s graduate qualities and assessment plans, and to find strategies for managing assessment above the unit of study level. As the Assessment Working Group has developed a good level of expertise, it is proposed that this Group become an advisory committee to both avoid double-handling of work cognate with the business of the Undergraduate Studies Committee, and to provide advice on graduate study matters.

Associate Professor McCallum agreed to the request to include the Associate Deans Education in the Advisory Committee’s membership, and undertook to circulate an updated version of the revised Terms of Reference to the Committee.

The proposal was endorsed for submission to Academic Board, subject to circulation of the final version.

**Action Item GSC 19/2-10**
The Education Portfolio to amend the membership to include Associate Deans Education.

**Resolution GSC2019/2-27**
That the Graduate Studies Committee recommend that Academic Board approve the proposal from the Director, Education Policy and Quality to change the Assessment Working Group’s Terms of Reference to establish the Assessment Advisory Committee.

**5 ITEMS FOR NOTING**

There were no items for noting.

**6 OTHER BUSINESS**

There being no other business, the meeting closed at 3.55 pm.

**7 NEXT MEETING**

Tuesday, 30 April 2019
10:00am – 12:00pm
Function Room, Level 5, F23 Administration Building
Confidential OR Non-Confidential

| Author            | Glenys Eddy  
|                  | Committee Officer |
| Reviewer/Approver| Associate Professor Michael Kertesz  
|                  | Chair of the Graduate Studies Committee |
| Paper title      | Report of the Chair of the Graduate Studies Committee |
| Purpose          | To advise the Graduate Studies Committee of actions taken by the Chair of the Committee since the previous meeting of 26 March 2019. |

RECOMMENDATION

That the Graduate Studies Committee note the report of the Chair.

THESIS EMBARGOS

Members are asked to note that the Chair has approved the following embargo request:

- for a period of 18 months for a PhD student in the Faculty of Science

End of report
Non-Confidential

Author | Dr Matthew Charet, Executive Officer to Academic Board
Reviewer/Approver | Associate Professor Tony Masters, Chair of the Academic Board
Paper title | Report of the Academic Board meeting
Purpose | To advise the Committee of the outcomes of the Academic Board meeting held on 16 April 2019

RECOMMENDATION

That the Graduate Studies Committee note the report of the Academic Board meeting held on 16 April 2019.

REPORT OF ACADEMIC BOARD MEETING

Items related to the Academic Quality Committee
The Academic Board noted the report from the meeting of the Academic Quality Committee held on 12 March 2019 and:

• noted the Committee's review and endorsement in principle of the recommendations arising from the Academic Board Thematic Review of Student Safety and Wellbeing;
• noted the Committee's approval the proposed changes to the Assessment Working Group’ Terms of Reference to become a permanent advisory committee to Academic Board and UE, and to be known as Assessment Advisory Committee; and
• noted the Committee's discussion about whether there was merit to the development a shared understanding of grading standards and agreed to refer discussion of this matter to the Assessment Advisory Committee for further consideration.

Items related to the Academic Standards and Policy Committee
The Academic Board noted the report from the meeting of the Academic Standards and Policy Committee held on 19 March 2019;

• reviewed and endorsed proposed changes to the Academic Promotions Policy 2015; and
• approved the Academic Board Annual Report 2018 and agreed that it be presented to Senate.

Items related to the Graduate Studies Committee
The Academic Board noted the report from meeting of the Graduate Studies Committee held on 26 March 2019 and:

• approved the proposal from the Education Portfolio and Board of Interdisciplinary Studies to introduce the Sydney Professional Certificate, agreed to recommend that Senate approve the amendment of the Resolutions of Senate for the Board of Interdisciplinary Studies, and approved the amendment of course resolutions and unit of study tables arising from the proposal, with effect from 1 January 2020;
• approved the proposal from the Faculty of Arts and Social Sciences to amend the Master of Education, Graduate Diploma in Educational Studies and Graduate Certificate in Educational Studies and approved the amendment of course resolutions and unit of study tables arising from the proposal, with effect from January 1, 2020;
• approved the proposal from the Faculty of Health Sciences to amend the Master of Exercise Physiology, agreed to recommend that Senate approve the amendment of Senate Resolutions for the Faculty of Health Sciences arising from the proposal, and approved the amendment of course resolutions and unit of study tables arising from the proposal, with effect from 1 January 2020;
• approved the proposal from the Faculty of Medicine and Health to amend the Master of Surgery, Graduate Diploma in Surgery, Graduate Certificate in Surgery, Graduate Certificate in Surgical Sciences and Graduate Certificate in Advanced Clinical Skills (Surgical Anatomy), agreed to recommend that Senate approve the amendment of the Senate Resolutions for the Faculty of Medicine, and approved the amendment of course resolutions and unit of study tables arising from the proposal, with effect from 1 January 2020;
Non-Confidential

- approved the proposal from the Faculty of Medicine and Health to introduce the Master of Advanced Surgery, Graduate Diploma in Advanced Surgery and Graduate Certificate in Advanced Surgery, agreed to recommend that Senate approve the amendment of the Resolutions of Senate for the Faculty of Medicine, and approved the introduction of course resolutions and unit of study tables arising from the proposal, with effect from 1 January 2020;
- approved the proposal from the Faculty of Medicine and Health to amend the Master of Medicine, agreed to recommend that Senate approve the amendment of the Resolutions of Senate for the Faculty of Medicine, and approved the introduction of course resolutions and unit of study tables arising from the proposal, with effect from 1 January 2020;
- approved the proposal from the School of Architecture, Design and Planning to amend the Master of Design (single specialisation), Master of Design (double specialisation) and Graduate Diploma in Design and approved the amendment of unit of study tables arising from the proposal, with effect from 1 January 2020;
- approved the proposal from the School of Architecture, Design and Planning to amend the Master of Urbanism and Graduate Diploma in Urbanism and approved the amendment of unit of study tables arising from the proposal, with effect from 1 January 2020;
- approved the proposal from the Faculty of Arts and Social Sciences to suspend new admissions to the Master of Contemporary Art and Graduate Diploma in Contemporary Art and agreed to recommend that Senate approve the amendment of the Resolutions of Senate for the Faculty of Arts & Social Sciences arising from the proposal, with effect from 1 January 2020;
- approved the proposal from the Faculty of Arts and Social Sciences to suspend new admissions to the Master of International Studies, Graduate Diploma of International Studies and Graduate Certificate of International Studies and agreed to recommend that Senate approve the amendment of the Resolutions of Senate for the Faculty of Arts & Social Sciences arising from the proposal, with effect from 1 January 2020;
- approved the proposal from the Faculty of Arts and Social Sciences to amend the Master of Teaching and approved the amendment of course resolutions and unit of study tables arising from the proposal, with effect from 1 January 2020;
- approved the proposal from the Faculty of Engineering and Information Technologies to amend the Master of Professional Engineering, Master of Professional Engineering (Accelerated) and Master of Engineering Biomedical streams and approved the amendment of units of study tables arising from this proposal, with effect from 1 January, 2020;
- approved the proposal from the Faculty of Engineering and Information Technologies to amend the Master of Information Technology and the Master of Information Technology / Master of Information Technology Management, and approved the amendment of course resolutions and unit of study tables arising from the proposal, with effect from 1 January, 2020;
- approved the proposal from the Faculty of Engineering and Information Technologies to amend the Graduate Diploma in Computing and approved the amendment of course resolutions and unit of study tables arising from the proposal, with effect from 1 January, 2020;
- approved the proposal from the Sydney Conservatorium of Music to amend the Master of Music (Composition) and the Master of Music (Performance) and approved the amendment of unit of study tables arising from the proposal, with effect from 1 January 2020;
- approved the proposal from the Business School to amend the Master of Commerce and embedded courses and approved the amendment of course resolutions and unit of study tables arising from the proposal, with effect from 1 January 2020;
- approved the proposal from the Business School to amend the Master of Management and approved the amendment of course resolutions and unit of study tables arising from the proposal, with effect from 1 January 2020;
- approved the proposal from the Business School to amend the Master of Human Resource Management and Industrial Relations and embedded courses and approved the amendment of course resolutions and unit of study tables arising from the proposal, with effect from 1 January 2020;
- approved the proposal from the Director, Education Policy and Quality to change the Assessment Working Group's Terms of Reference to establish the Assessment Advisory Committee; and
- noted the Committee’s discussion of an update on the implementation of coursework in Higher Degrees by Research.

Items related to the Undergraduate Studies Committee

Respect is a core value of the Academic Board
Non-Confidential

The Academic Board note the report from the meeting of the Undergraduate Studies Committee held on 19 March 2019, and:

- approved the proposal from the Faculty of Arts and Social Sciences to amend the Bachelor of Arts, Bachelor of Arts / Bachelor of Advanced Studies and approved the amendment of course resolutions arising from the proposal, with effect from 1 January 2020;
- approved the proposal from the Faculty of Arts and Social Sciences to amend the Bachelor of Arts, Bachelor of Arts / Bachelor of Advanced Studies and approved the amendment of course resolutions and unit of study tables arising from the proposal, with effect from January 1, 2020;
- approved the proposal from the Faculty of Arts and Social Sciences to amend the Bachelor of Arts, Bachelor of Arts / Bachelor of Advanced Studies and approved the amendment of course resolutions and unit of study tables arising from the proposal, with effect from January 1, 2020;
- approved the proposal from the Conservatorium of Music to amend the Bachelor of Music and Bachelor of Music (Honours) and approved the amendment of course resolutions arising from the proposal, with effect from 1 January 2020;
- approved the proposal from the Sydney Conservatorium of Music to amend the Bachelor of Music (Music Education) and approved the amendment of course resolutions arising from the proposal, with effect from 1 January 2020;
- approved the proposal from the Sydney Conservatorium of Music to amend the Bachelor of Music and approved the amendment of course resolutions arising from the proposal, with effect from 1 January 2020;
- approved the proposal from the Sydney Conservatorium of Music to amend the Diploma of Music and approved the amendment of course resolutions arising from the proposal, with effect from 1 January 2020;
- approved the proposal from the Faculty of Engineering and Information Technologies to amend the Bachelor of Engineering (Honours) and approved the amendment of unit of study tables arising from the proposal, with effect from 1 January, 2020;
- approved the proposal from the Faculty of Science to introduce the tables of units of study for the Honours pathways and the Advanced Coursework pathway for the Bachelor of Advanced Studies, approved the tables of units of study for the Advanced Coursework pathway as recommendations for students in the areas of science that correspond to Science Table A, and approved the implementation of these tables, with effect from 1 January 2020;
- approved the proposal from Education Strategy to amend the Bachelor of Advanced Studies and approved the amendment of course resolutions arising from the proposal, with effect from 1 January 2020; and
- approved the proposal from Education Strategy to amend the Assessment Working Group’s Terms of Reference to establish the Assessment Advisory Committee.

Other matters
The Academic Board also:
- participated in a student-led discussion of possible changes to the Student Code of Conduct;
- participated in a discussion of Open Access facilitated by the Senior Manager, Copyright & Information Policy, University Library;
- received and noted the Reports of the Chair and of the Vice-Chancellor; and
- endorsed the amendment of the Resolutions of Senate for the Faculty of Medicine and Health, Faculty of Science and Faculty of Arts and Social Sciences and agreed to their presentation to Senate.

The agenda pack for this meeting is available from: sydney.edu.au/secretariat/pdfs/academic-board-committees/AB/2019/20190416-AB-Agenda-Pack.pdf

Associate Professor Tony Masters
Chair, Academic Board
Confidential

| **Author** | Jackie Toroian, Committee Officer, University Secretariat |
| **Reviewer/Approver** | Professor Shae McCrystal, Chair of the HDR Scholarships Subcommittee |
| **Paper title** | Report of the HDR Scholarships Subcommittee Meetings |
| **Purpose** | To provide a report to the Graduate Studies Committee on the activities of the HDR Scholarships Subcommittee, under its Terms of Reference. |

**RECOMMENDATION**

That the Graduate Studies Committee note the following report from the Higher Degree by Research Scholarships Subcommittee (HDRSSC) of its meetings held on 01 March and 05 April 2019.

**REPORT OF THE HDR SCHOLARSHIPS SUBCOMMITTEE**

**SCHOLARSHIPS AWARDED**

**Award of RTP and USYDIS Scholarships (March Round)**

The HDRSSC resolved to offer award of:

- Sixty-one (61) RTP Domestic Scholarships with a further 25 applicants on the waitlist.
- Six (6) RTP International Scholarships.
- Five (5) USYDIS Scholarships

**Award of USYD Merit and other Top-Up Scholarships (March Round)**

The HDRSSC resolved to offer award of the following Merit and Top-Up Scholarships:

- Two (2) Vice-Chancellor’s Research Scholarships (VCRS)
- Two (2) USYD Merit Awards

**Award of RTP and USYDIS Scholarships (April Round)**

The HDRSSC resolved to offer award of:

- Forty (40) RTP Domestic Scholarships with a further 31 on the waitlist
- Three (3) RTP International Scholarships with a further 2 on the waitlist
- Four (4) USYDIS Scholarships

**Award of USYD Merit and other Top-Up Scholarships (April Round)**

The HDRSSC resolved to offer award of the following Merit and Top-Up Scholarships:

- Two (2) USYD Merit Awards
- One (1) VCRS Award
- Seven (7) Alumni Scholarships
- One (1) A.E. and F.A.Q Stephens Scholarship
REVIEW OF PROCESSES

Alignment of Admission and Scholarship Awarding Processes

At the March meeting, the HDRSSC discussed a report from the Director, Student Operations on aligning admissions and scholarship awarding processes. The lack of alignment in the timing of these processes, has caused a number of unintended issues, including students who are not eligible for admission, being ranked for a scholarship. Additionally, the rolling admissions cycle for HDR courses, has resulted in unmanageable peaks in applications in proximity to students’ intended start dates.

To ameliorate these concerns, the following ‘quick win’ proposals were endorsed by the HDRSSC:

- Commencing immediately, the Scholarship Office will only rank applications which are flagged by the Admissions Office to be complete. In addition, the Admissions Office will ensure that applicants provide publication and prize information where appropriate.
- Commencing immediately, the Scholarship Office will back date (where appropriate) the scholarship to the start of the current Research Period. Where an applicant has not yet commenced, the Scholarship Start Date will reflect the first day of the Research Period of admission.
- Creation of a submission guideline (with critical dates) which would then be used as ‘soft deadlines’ that publish when an applicant should submit their application and documentation if they wish to commence in a certain Research Period.

Measures to further improve the process, including streamlining the two separate letters currently received by students for admissions and scholarship award, will be addressed in the Future State Process.

At the April meeting, the Director Student Operations provided an update on the implementation of the changes outlined above. It was noted that there have been substantial improvements in the management of workflow and clearing of backlogs.

REVIEW OF EQUITABLE DISTRIBUTION OF SCHOLARSHIPS

RTP Allocations by Faculty and University School 2017-2018

<table>
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<th>RTP - Domestic 2018</th>
<th>RTP - International 2017</th>
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| Grand Total | 330 | 327 | 34 | 31 |

Table 1: RTP allocations to Domestic vs International in 2017 & 2018

As part of the ongoing process of monitoring the degree of equitable distribution of scholarships throughout the University, the HDRSSC examined the data on RTP Scholarships awarded in 2017 and 2018 at the March meeting. No specific adjustments to the Ranking Guidelines were recommended at this juncture.

This review helps to identify any systemic problems with the ranking guidelines that may require correction.
RANKING GUIDELINES ISSUES

Category 3 Applicant Outcomes

At the March meeting, the HDRSSC reviewed the student achievement mark (SAM) under Category 3 of the ranking principles. It was noted that a small number of strong applicants who held both a Research Masters Degree as well as additional research experience points, were missing out on a scholarship due to a lower University Quality Index (UQI) score.

In line with the ranking principles, members recommended that the SAM be increased to 84 with a watching brief. The Head of Scholarships also agreed to model the award of scholarships under a higher SAM (85) (based on 2018 data), to assess whether there is any impact on Top-Up Scholarships.

At the April meeting, the HDRSSC reviewed the data presented by the Head of Scholarship and noted that eight out of thirty-four MPhil applicants benefited from a higher SAM and became competitive in being selected for Merit Scholarships. None of the applicants became competitive in VCRS.

The Subcommittee concluded that the data showed no evidence that an uplift would result in a disproportionate flow of Top-Up Scholarships to MPhil applicants and the flow of Merit scholarships to eight additional students was not unreasonable. Accordingly, it is recommendation that the initial recommendation of increasing the SAM for category 3 applicants to 84 be implemented.

Appendix B Ranking Guidelines

Appendix B of the Ranking Guidelines currently lists ‘Faculty Cluster’ specific adjustments that enable scaling of the WAM of Honours 1 graduates of the University of Sydney. The HDRSSC has previously agreed to review Appendix B with a view to determining whether these adjustments remain supported by evidence. However, difficulty obtaining access to reliable Honours data has stalled this review.

At the March meeting it was proposed that the HDRSSC should ask faculties and disciplines directly to provide this data and to make a case on how their adjustments are fair in the current university structure and marking landscape. This information would then be used to devise a new formula for adjustment. However, members formed the view that this may be a challenging task for faculties and schools and since that meeting, additional data has been received from Institutional Analytics and Planning which is currently being reviewed.

At the April meeting, members requested that their concerns regarding Appendix B, be presented to the Graduate Studies Committee noting their deep dissatisfaction with what appears to be an unfair mechanism for applying an index to adjust applicants’ weighted average mark. Principle concerns include potential equity issues arising from it applying to University of Sydney students only.

Eligibility Criteria for Research Experience Points

At the April meeting, the HDRSSC also deliberated eligibility for Research Experience Points under the current Ranking Guidelines. Some members suggested that consideration may need to be given to special cases where applicants have professional experience that directly relates to their area of proposed research. It was agreed that members are welcome to bring such cases forward to the HDRSSC for consideration on a case-by-case basis. This may also help to examine whether there are any broader systemic issues with the ranking guidelines in this regard.

End of Report
CONFIDENTIAL OR NON-CONFIDENTIAL

Author: Dr. Glenys Eddy, Committee Officer, Board of Interdisciplinary Studies
Reviewer/Approver: Professor Stephen Garton/Professor Philippa Pattison, Chairs, Board of Interdisciplinary Studies
Paper title: Report of the Board of Interdisciplinary Studies for its meeting held on 10 April 2019.
Purpose: The purpose of this paper is to inform the AB Graduate Studies Committee of the business conducted by the Board of Interdisciplinary Studies at its meeting on 10 April 2019.

RECOMMENDATION

That the Graduate Studies Committee note the report from the Board of Interdisciplinary Studies on its meeting of 10 April 2019.

ITEMS FOR ENDORSEMENT

Nil for this meeting.

Note for the record: Item 2.1, the Sydney Professional Certificate full course proposal, was endorsed by the Board of Interdisciplinary Studies at this meeting. As this proposal had already been endorsed by the Graduate Studies Committee at its meeting of 26 March 2019 and by Academic Board at its meeting of 16 April 2019, no further action is required by this Committee. The proposal had been previously endorsed at UE CCPC (18 February) for parallel submission of the full proposal to CCPC, BIS and GSC.

ITEMS FOR NOTING: Undergraduate Curriculum Endorsements

2.2 Architecture, Design and Planning: Bachelor of Design Computing/Bachelor of Advanced Studies Minor Course Amendment

2.3 Architecture, Design and Planning: Bachelor of Advanced Studies minor course amendment (Design Major)

Please note: this proposal was endorsed by circulation on 18 April 2019, following the inclusion of the wrong minor course amendment with the agenda pack.

2.4 Architecture, Design and Planning: Bachelor of Advanced Studies minor course amendment (Biological Design Major)

2.5 Arts and Social Sciences: Bachelor of Arts/Bachelor of Advanced Studies (4000-level Advanced units)

2.6 Business: Bachelor of Commerce/Bachelor of Advanced Studies

N/A Arts and Social Sciences: Table A: Environmental and Resource Economics major

Please note: late submission endorsed by circulation on 18 April 2019.
APPROVALS BY BIS

**Sydney Business School**: Table S Electives

**Health Sciences**: Table S Electives

**Science**: Table A majors

**Science**: Table S Electives

**Engineering and Information Technologies**: Table S Electives

**Arts and Social Sciences**: (late submissions approved by circulation 18 April 2019)

1. Table S Electives amendment
2. Table S Environmental and Resource Economics major

**BIS OLE Sub-committee**: second round of OLE units for 2020

**BIS OLE Sub-committee**: Cross-crediting OLE Units

**BIS Dalyell Sub-committee**: Report of BIS Dalyell Sub-Committee

**BIS Non-Award Sub-committee**: Report of BIS Non-Award Sub-Committee.
Confidential OR Non-Confidential

Author: Jennifer Peden, Coordinator Curriculum & Quality  
Faculty of Arts & Social Sciences

Reviewer/Approver: Dr Jan Shaw, Associate Dean (Postgraduate Coursework Programs)  
Faculty of Arts and Social Sciences

Proposal / Paper title: Minor course amendment to the Master of Creative Writing and embedded degrees

Proposed Year of Implementation: 2020

Faculty Approval Date: 15 April 2019

Purpose: To amend the resolutions for the Master of Creative Writing and embedded courses

Proposal Presenter: Dr Jan Shaw

RECOMMENDATION

That the Graduate Studies Committee recommend that Academic Board:

1) approve the proposal from the Faculty of Arts and Social Sciences to amend the Master of Creative Writing, Graduate Diploma in Creative Writing, and Graduate Certificate in Creative Writing; and

2) approve the amendments to the course resolutions and unit of study tables arising from the proposal, with effect from January 1, 2020.

EXECUTIVE SUMMARY

It is proposed to streamline and clarify the Workshop unit and elective choices available to students in the Master of Creative Writing and embedded courses. This will expand student choice, allow for scaffolded writing assessments, and assist with cohort building. Workshops will no longer be classified as introductory and advanced.

IMPLEMENTATION

From January 1, 2020.

ATTACHMENTS

Minor course proposal: Creative Writing  
Course resolutions and tables for the Master of Creative Writing and embedded courses
Minor Course Amendment Proposal

Faculty: FASS

Contact person: A/Professor Kate Lilley

1. **Name of award course**

   - Master of Creative Writing
   - Graduate Diploma in Creative Writing
   - Graduate Certificate in Creative Writing

2. **Purpose of proposal**

   1) To remove progression from the workshop units (currently introductory/advanced) which is cumbersome and serves no essential curricular purpose. Expanded choice of workshop units without progression will better serve students at all levels of the Creative Writing Degrees, regardless of semesterisation.

   2) To make all four workshop units 12cp. These peer review units are highly valued by students and very effective and cohort-building in curricular terms. We need 12cp per workshop to allow for scaffolded writing assessments appropriate to the subject and workshop format.

   3) To this end, the current 12cp Advanced Workshop units (poetry and novel) will be revised, becoming ENGL6986 Poetry and ENGL6987 Fiction Workshops without prerequisites. Two new 12cp non-genre specific workshop units will be introduced, ENGL69XX Open Genre Workshop and ENGL69XX Life Writing Workshop. The current 6cp introductory workshop units, ENGL6901 and ENGL6902, will therefore be retired.

3. **Details of amendment**

   Candidates for the **Graduate Certificate in Creative Writing** must complete 24 credit points of units of study including a minimum of 12 credit points from core units of study and a maximum of 12 credit points from elective units of study, including one Introductory Workshop unit of study.

   A maximum of 6 credit points from units of study outside the Creative Writing table, including units of study from other faculties can be counted towards the elective.

   Candidates for the **Graduate Diploma in Creative Writing** must complete 48 credit points of units of study including a minimum of 18 credit points from core units of study and a maximum of 30 credit points from elective units of study, including at least one Introductory and one Advanced Workshop units of study.

   A maximum of 12 credit points from units of study outside the Creative Writing table, including units of study from other faculties can be counted towards the elective.

   Candidates for the **Master of Creative Writing** must complete 72 credit points of units of study, including a minimum of 24 credit points from core units of study, a minimum of 6 credit points from capstone units of study and a minimum of 30 credit points from elective units of study, which must include at least two Workshop units of study.

   A maximum of 12 credit points from units of study outside the Creative Writing table, including units from other faculties can be counted towards the elective.

4. **Transitional arrangements**

   Currently enrolled students will be able to take any Workshop unit(s) in place of the previous Introductory/Advanced Workshop requirements. In the highly unlikely event that any current MCW student has not already completed a 6cp workshop, the requirement to complete 18cp of workshop units will be waived as a special permission OR the student can take the 6cp MECO Non-Fiction Workshop from the CW elective table.
5. **Other relevant information**  
These changes to the coursework degrees simultaneously strengthen and simplify the curriculum structure. They also make the curriculum more sustainable, removing the need to repeat any units in both semesters.

6. **Signature of Dean**
Graduate Certificate in Creative Writing
Graduate Diploma in Creative Writing
Master of Creative Writing
These resolutions must be read in conjunction with applicable University By-laws, Rules and policies including (but not limited to) the University of Sydney (Coursework) Rule 2014 (the 'Coursework Rule'), the Coursework Policy 2014, the Resolutions of the Faculty, the University of Sydney (Student Appeals against Academic Decisions) Rule 2006 (as amended), the Academic Honesty in Coursework Policy 2015 and the Academic Honesty Procedures 2016. Up to date versions of all such documents are available from the Policy Register: http://sydney.edu.au/policies.

Course resolutions

1 Course codes

<table>
<thead>
<tr>
<th>Code</th>
<th>Course title</th>
</tr>
</thead>
<tbody>
<tr>
<td>GCCREAWR-01</td>
<td>Graduate Certificate in Creative Writing</td>
</tr>
<tr>
<td>GNCREAWR-01</td>
<td>Graduate Diploma in Creative Writing</td>
</tr>
<tr>
<td>MACREAWR-01</td>
<td>Master of Creative Writing</td>
</tr>
</tbody>
</table>

2 Attendance pattern
The attendance pattern for these courses is full time or part time according to candidate choice.

3 Master's type
The master's degree in these resolutions is an advanced learning master's course, as defined by the Coursework Policy.

4 Embedded courses in this sequence
(1) The embedded courses in this sequence are:
(a) the Graduate Certificate in Creative Writing
(b) the Graduate Diploma in Creative Writing
(c) the Master of Creative Writing
(2) A candidate for the graduate certificate or graduate diploma may apply to progress to a longer course in this sequence, providing the candidate meets the admission requirements for that course. Only the longest award completed will be conferred.

5 Admission to candidature
(1) Available places will be offered to qualified applicants based on merit, according to the following admissions criteria. In exceptional circumstances the Dean may admit applicants without these qualifications but whose evidence of experience and achievement is deemed by the Dean to be equivalent.
(2) Admission to candidature for the Graduate Certificate in Creative Writing requires:
   (a) a bachelor's degree from the University of Sydney, or an equivalent qualification; or
   (b) equivalent professional experience in a relevant field.
(3) Admission to candidature for the Graduate Diploma in Creative Writing requires:
   (a) a bachelor's degree with a minimum 60 percent average calculated over the whole degree, from the University of Sydney, including a major in a relevant subject area in the humanities or social sciences, or an equivalent qualification; or
   (b) completion of the requirements for the Graduate Certificate in Creative Writing with a minimum credit (65 percent) average, or an equivalent qualification.
(4) Admission to candidature for the Master of Creative Writing requires:
   (a) a bachelor's degree with a minimum credit (65 percent) average calculated over the whole degree, from the University of Sydney, including a major in a relevant subject area in the humanities or social sciences, or an equivalent qualification; or
   (b) completion of the requirements for the embedded Graduate Certificate or Graduate Diploma in Creative Writing with a minimum credit (65 percent) average, or an equivalent qualification.
(5) An applicant for the Graduate Certificate, Graduate Diploma or Masters of Creative writing must also include a portfolio of 1500 to 3000 words of prose writing or 10 to 15 pages of poetry with their application.

6 Requirements for award
(1) The units of study that may be taken for these courses are set out in the Postgraduate Table of Units of Study for the Creative Writing subject area.
(2) To qualify for the award of the Graduate Certificate in Creative Writing a candidate must complete 24 credit points, including:
   (a) a minimum of 12 credit points from core units of study; and
   (b) a maximum of 12 credit points from elective units of study, including one introductory workshop unit of study.
(3) To qualify for the award of the Graduate Diploma in Creative Writing a candidate must complete 48 credit points, including:
   (a) a minimum of 18 credit points from core units of study; and
   (b) a maximum of 30 credit points from elective units of study including two introductory and one Advanced Workshop unit of study. With the permission of the Degree Director a maximum of 6 credit points can be taken as elective units from units of study outside those listed in the Creative Writing subject area of the Postgraduate Unit of Study, including units of study offered by other faculties.
(4) To qualify for the award of the Master of Creative Writing a candidate must complete 72 credit points, comprising:
a minimum of 24 credit points from core units of study;
(b) a minimum of 30 credit points from elective units of study including at least two Workshop units. With the permission of the Degree Director a maximum of 12 credit points can be taken as elective units from units of study outside those listed in the Creative Writing subject area of the Postgraduate Unit of Study, including units of study offered by other faculties, at least one Introductory Workshop unit of study, and at least one Advanced Workshop unit of study; and
(c) at least 6 credit points from capstone units of study.

7 Recognition of Prior Learning

(1) Waivers and reductions in the volume of learning may be granted or the volume of learning may be reduced in recognition of prior learning.
(2) Credit may be granted for up to 50% of course requirements for relevant incomplete postgraduate qualifications.
(3) Candidates offered direct admission to the Master of Creative Writing may be eligible for a reduction in the volume of learning of up to 24 credit points, subject to the following:
(a) The maximum permissible reduction in the volume of learning is 24 credit points for a qualification at level 8 of the Australian Qualifications Framework in a relevant discipline as defined by the Faculty of Arts and Social Sciences.
(b) The maximum permissible reduction in the volume of learning is 24 credit points for relevant professional work experience deemed by the Faculty of Arts and Social Sciences to have conferred a volume of learning equivalent to that of a Graduate Certificate in a relevant discipline.
(4) The maximum combined waiver and reduction in the volume of learning for prior study granted to a candidate will not exceed 50 percent of the requirements of the course.

8 Course transfer

A candidate for the master's degree or graduate diploma may elect to discontinue study and graduate with a shorter award from this sequence, with the approval of the Dean, and provided the requirements of the shorter award have been met.

9 Transitional provisions

(1) These resolutions apply to students who commenced their candidature after 1 January 2020.
(2) Candidates who commenced prior to 1 January 2020 will complete the requirements in accordance with the resolutions in force at the time of their commencement, provided that requirements are completed by 1 January 2025. The Faculty may specify a later date for completion or specify alternative requirements for completion of candidatures that extend beyond this time.
CREATIVE WRITING

<table>
<thead>
<tr>
<th>Unit of study</th>
<th>Credit points</th>
<th>A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition</th>
<th>Session</th>
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</thead>
</table>

Creative Writing

Candidates for the Graduate Certificate in Creative Writing must complete 24 credit points of units of study including, a minimum of 12 credit points from core units of study and a maximum of 12 credit points from elective units of study, including one Introductory Workshop unit of study.

A maximum of 6 credit points from units of study outside the Creative Writing table, including units of study from other faculties can be counted towards the elective.

Candidates for the Graduate Diploma in Creative Writing must complete 48 credit points of units of study including, a minimum of 18 credit points from core units of study and a maximum of 30 credit points from elective units of study, including at least one Introductory and one Advanced Workshop units of study.

A maximum of 12 credit points from units of study outside the Creative Writing table, including units of study from other faculties can be counted towards the elective.

Candidates for the Master of Creative Writing must complete 72 credit points of units of study, including 30 credit points from core units of study, a minimum of 6 credit points from capstone units of study and a minimum of 30 credit points from elective units of study, which must include at least one Introductory Workshop unit of study and at least one Advanced Workshop units of study.

A maximum of 12 credit points from units of study outside the Creative Writing table, including units from other faculties can be counted towards the elective.

Core

| ENGL6913 Critical Contexts for Creative Writing | 6 |
### Capstone

Master of Creative Writing students must complete either ENGL6908 or (ENGL6119 and ENGL6120). Students completing the Dissertation can count ENGL6120 towards their elective.

<table>
<thead>
<tr>
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<th>Course Title</th>
<th>Credit</th>
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<tr>
<td>ENGL6119</td>
<td>Dissertation Part 1: Creative Writing</td>
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<tr>
<td>ENGL6120</td>
<td>Dissertation Part 2: Creative Writing</td>
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</tr>
<tr>
<td>ENGL6908</td>
<td>Creative Writing: Supervised Project</td>
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### Elective

### Introductory Workshop units of study

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<tbody>
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<td>ENGL6901</td>
<td>Creative Writing: Fiction Workshop</td>
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<tr>
<td>Course Code</td>
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<td>Units</td>
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<tr>
<td>------------</td>
<td>--------------------------------------------------</td>
<td>-------</td>
</tr>
<tr>
<td>ENGL6902</td>
<td>Creative Writing: Poetry Workshop</td>
<td>6</td>
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<tr>
<td>ENGL6984</td>
<td>Creative Non-Fiction Workshop</td>
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**Advanced Workshop units of study**

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<td>ENGL6986</td>
<td>Advanced Workshop: Poetry Workshop</td>
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<tr>
<td>ENGL6987</td>
<td>Advanced Workshop: Novel Workshop</td>
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</tr>
<tr>
<td>ENGL6xxx</td>
<td>Creative Writing: Open Genre Workshop</td>
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<tr>
<td>ENGL6xxx</td>
<td>Creative Writing: Life Writing Workshop</td>
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**Other Elective**

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<tr>
<td>ENGL6040</td>
<td>Introduction to Old English</td>
<td>6</td>
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<tr>
<td>ENGL6041</td>
<td>Old English Texts</td>
<td>6</td>
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<tr>
<td>ENGL6042</td>
<td>Old Norse</td>
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<tr>
<td>ENGL6100</td>
<td>Approaches to Literary History</td>
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<td>ENGL6101</td>
<td>Approaches to Genre</td>
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<td>ENGL6102</td>
<td>Approaches to Critical Reading</td>
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<td>ENGL6103</td>
<td>Approaches to Global English Literatures</td>
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<td>ENGL6104</td>
<td>American Gothic</td>
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<td>ENGL6106</td>
<td>The Idea of the South</td>
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<tr>
<td>ENGL6107</td>
<td>Sentiment and Sensation</td>
<td>6</td>
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<tr>
<td>ENGL6108</td>
<td>Modern Australian Poetry and Poetics</td>
<td>6</td>
</tr>
<tr>
<td>ENGL6109</td>
<td>Modern and Contemporary Drama</td>
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<td>ENGL6110</td>
<td>The 18th Century Novel: Theory and Example</td>
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<td>ENGL6111</td>
<td>History Writing in English, 1500-1900</td>
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<td>ENGL6112</td>
<td>Wooing Women in</td>
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<td>Course Code</td>
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<td>Credits</td>
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<tr>
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<tr>
<td>ENGL6113</td>
<td>American Romance</td>
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</tr>
<tr>
<td>ENGL6114</td>
<td>Language and Subject</td>
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<tr>
<td>ENGL6115</td>
<td>Reading Suburbia</td>
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<tr>
<td>ENGL6116</td>
<td>Life &amp; Literature in the Age of Chaucer</td>
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<tr>
<td>ENGL6960</td>
<td>The Cold War</td>
<td>6</td>
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<tr>
<td>ENGL6970</td>
<td>Reading Magazines</td>
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<tr>
<td>ENGL6982</td>
<td>Shakespeare and Modernity</td>
<td>6</td>
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<tr>
<td>ENGL6985</td>
<td>Shakespeare and his Contemporaries</td>
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</tr>
<tr>
<td>ENGL6991</td>
<td>Aust Lit and the Canonical Imaginary</td>
<td>6</td>
</tr>
<tr>
<td>Course Code</td>
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<td>-------------</td>
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<tr>
<td>ENGL6992</td>
<td>Henry James and the Art of Fiction</td>
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<td>MECO6945</td>
<td>Creative Non-Fiction Workshop</td>
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<td>FASS7001</td>
<td>Academic English for Postgraduates</td>
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<tr>
<td>FASS7002</td>
<td>Critical Thinking and Persuasive Writing</td>
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<tr>
<td>WRIT6000</td>
<td>Professional Writing</td>
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</tr>
<tr>
<td>WRIT6001</td>
<td>Professional Editing</td>
<td>6</td>
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</tbody>
</table>
 Confidential OR Non-Confidential

| Author                      | Jennifer Peden, Coordinator Curriculum & Quality |
|                            | Faculty of Arts & Social Sciences               |
| Reviewer/Approver          | Dr Jan Shaw, Associate Dean (Postgraduate Coursework Programs) |
|                            | Faculty of Arts and Social Sciences             |
| Proposal / Paper title     | Minor course amendment to the Master of Economic Analysis and embedded degrees |
| Proposed Year of Implementation | 2020                                           |
| Faculty Approval Date      | 15 April 2019                                  |
| Purpose                    | To amend the unit of study table for the Master of Economic Analysis. |
| Proposal Presenter         | Dr Jan Shaw                                    |

**RECOMMENDATION**

That the Graduate Studies Committee recommend that Academic Board:

1) approve the proposal from the Faculty of Arts and Social Sciences to amend the Master of Economic Analysis, Graduate Diploma in Economic Analysis, and Graduate Certificate in Economic Analysis; and

2) approve the amendments to the unit of study tables arising from the proposal, with effect from January 1, 2020.

**EXECUTIVE SUMMARY**

It is proposed to introduce a suite of alternate units to the core unit collection for the Master of Economic Analysis to address issues encountered by students who are admitted without having completed prior postgraduate study at Sydney in specific postgraduate Economics units.

As the Master of Economic Analysis core units are also included in other programs including the Master of Economics and its embedded programs, and have prerequisites, the manual enrolment of commencing students and subsequent enrolment via special permission has been required for a significant section of its cohort who have not previously completed the prerequisite units within the Economics program. This has resulted in a negative student experience and increased the workload for Faculty Services.

The co-badging of units in prerequisite and non-prerequisite versions is a solution proposed in 2018 by the Academic Model Team to resolve a similar issue encountered in the Master of Professional Engineering (Accelerated) for the Faculty of Engineering and IT

Implementation: 
From January 1, 2020.

**ATTACHMENTS**

Minor course proposal: Economic Analysis  
Master of Economic Analysis unit of study table
Minor Course Amendment Proposal

Faculty: Faculty of Arts and Social Sciences

Contact person: Jennifer Peden

1. Name of award course
   - Master of Economic Analysis
   - Graduate Diploma in Economic Analysis
   - Graduate Certificate in Economic Analysis

2. Purpose of proposal
   To amend the Table for the Master of Economic Analysis and embedded degrees to include alternate prerequisite-free co-taught versions of its core units.

   Since its launch, as the Master of Economic Analysis core units are also included in other programs including the Master of Economics and its embedded programs, and have prerequisites, the manual enrolment of commencing students and subsequent enrolment via special permission has been required for a significant section of its cohort who have not previously completed the prerequisite units within the Economics program. This has resulted in a negative student experience and increased the workload for Faculty Services.

   The co-badging of units in prerequisite and non-prerequisite versions is a solution proposed in 2018 by the Academic Model Team to resolve a similar issue encountered in the Master of Professional Engineering (Accelerated) for the Faculty of Engineering and IT.

3. Details of amendment
   The Economic Analysis table has been revised to incorporate the alternate coded units. The implementation of new units also requires amendments to prerequisites and prohibitions for existing units in the table.

   Appendix 1: Economic Analysis Table

4. Transitional arrangements
   There will be no impact on currently enrolled students.

5. Other relevant information
   n/a

6. Signature of Dean

Graduate Studies Committee 19/03
30 April 2019
# ECONOMIC ANALYSIS

<table>
<thead>
<tr>
<th>Unit of study</th>
<th>Credit points</th>
<th>A: Assumed knowledge</th>
<th>P: Prerequisites</th>
<th>C: Corequisites</th>
<th>N: Prohibition</th>
<th>Session</th>
</tr>
</thead>
</table>

## Economic analysis

Candidates for the Graduate Certificate in Economic Analysis must complete 24 credit points of core units of study.

Candidates for the Graduate Diploma in Economic Analysis must complete 48 credit points, including 24 credit points of core units of study, at least 12 credit points of core elective units of study, and up to a maximum of 12 credit points of elective units of study.

Candidates for the Master of Economic Analysis must complete 72 credit points, including 24 credit points of core units of study, at least 24 credit points of core elective units of study, up to a maximum of 12 credit points of elective units of study and 12 credit points of capstone units of study.

### Core Units of Study

- **ECON6001**
  - Microeconomics Analysis 1
  - 6

  or

- **ECON6701**
  - Microeconomics Analysis 1 A
  - 6

- **ECON6002**
  - Macroeconomics Analysis 1
  - 6

  or

- **ECON6702**
  - Macroeconomics Analysis 1 A
  - 6

- **ECON6003**
  - Mathematical Methods of Econ Analysis
  - 6

  or
<table>
<thead>
<tr>
<th>Unit Code</th>
<th>Unit Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON6703</td>
<td>Mathematical Methods of Econ Analysis A</td>
<td>6</td>
</tr>
<tr>
<td>ECMT6002</td>
<td>Econometric Applications</td>
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</tr>
<tr>
<td>or</td>
<td></td>
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<tr>
<td>ECMT6702</td>
<td>Econometric Applications A</td>
<td>6</td>
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</table>

**Core Elective units of study**

<table>
<thead>
<tr>
<th>Unit Code</th>
<th>Unit Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON6901</td>
<td>Microeconomics Analysis 2</td>
<td>6</td>
</tr>
<tr>
<td>ECON6902</td>
<td>Macroeconomics Analysis 2</td>
<td>6</td>
</tr>
<tr>
<td>ECON6903</td>
<td>Topics in Bus. Cycles and Monetary Policy</td>
<td>6</td>
</tr>
<tr>
<td>ECON6904</td>
<td>Topics in Labour Economics</td>
<td>6</td>
</tr>
<tr>
<td>ECON6905</td>
<td>Topics in Industrial Organisation</td>
<td>6</td>
</tr>
<tr>
<td>ECON6906</td>
<td>Topics in Economic Development</td>
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</tr>
<tr>
<td>ECON6907</td>
<td>Topics in History of Economic Thought</td>
<td>6</td>
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<tr>
<td>ECON6909</td>
<td>Topics in Microeconomic Analysis</td>
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<td>Topics in Macroeconomic Analysis</td>
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<td>ECON6912</td>
<td>Topics in Empirical Macroeconomics</td>
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<td>ECON6913</td>
<td>Topics in Economic History</td>
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<td>ECON6948</td>
<td>Special Topic in Economic Analysis 1</td>
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<td>Special Topic in Econometrics 1</td>
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**Elective units of study**

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<tr>
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<td>ECMT6006</td>
<td>Applied Financial Econometrics</td>
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<td>ECMT6007</td>
<td>Analysis of Panel Data</td>
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<td>ECON5004</td>
<td>Communication in Economics</td>
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</tr>
<tr>
<td>ECON5006</td>
<td>Economics of Law and Public Policy</td>
<td>6</td>
</tr>
<tr>
<td>ECON5007</td>
<td>The Economics of Financial Markets</td>
<td>6</td>
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</tbody>
</table>
| Course Code | Course Title                                      | Credit
|-------------|--------------------------------------------------|--------
| ECON5008    | Behavioural Economics                            | 6      
| ECON5026    | Strategic Business Relationships                 | 6      
| ECON6006    | Market Structure and Strategic Behaviour         | 6      
| ECON6008    | International Money and Finance                  | 6      
| ECON6009    | Economics of the Labour Market                   | 6      
| ECON6010    | Public Economics                                  | 6      
| ECON6016    | Trade and Development                            | 6      
| ECON6018    | Environmental Economics                           | 6      
| ECON6021    | Financial Economics                               | 6      
| ECON6023    | International Trade                               | 6      
| ECON6024    | Private Equity                                    | 6      
| ECON6025    | Strategic Decision Making                         | 6      
| ECON6029    | Health Economics and Policy Evaluation            | 6      
<p>| ECON6031    | International Finance and Globalisation          | 6      |</p>
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<td>Special Topics in Economics 1</td>
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</tr>
<tr>
<td>ECON6102</td>
<td>Special Topics in Economics 2</td>
<td>6</td>
</tr>
</tbody>
</table>

**Capstone units of study**

Capstone units available only to Masters students

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON7010</td>
<td>Economics Research Dissertation A</td>
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<tr>
<td>ECON7020</td>
<td>Economics Research Dissertation B</td>
<td>6</td>
</tr>
</tbody>
</table>
CONFIDENTIAL OR NON-CONFIDENTIAL

PROPOSAL / PAPER TITLE

Minor course amendment to the Master of Education

PROPOSED YEAR OF IMPLEMENTATION

2020

FACULTY APPROVAL DATE

15 April 2019

PURPOSE

To amend the resolutions for the Master of Education and embedded courses to reflect the streaming of the degree and add an elective component to the Taronga Conservation Education stream.

PROPOSAL PRESENTER

Dr Jan Shaw

RECOMMENDATION

That the Graduate Studies Committee recommend that Academic Board:

1) approve the proposal from the Faculty of Arts and Social Sciences to amend the Master of Education, Graduate Diploma in Education, Graduate Certificate in Education, Master of Education (Taronga Conservation Education), and the Graduate Diploma in Educational Studies (Taronga Conservation Education); and

2) approve the amendments to the course resolutions and unit of study tables arising from the proposal, with effect from January 1, 2020.

EXECUTIVE SUMMARY

It is proposed to amend the resolutions and tables for the Master of Education and embedded course to update the terminology used from “specialisations” to “streams” to better reflect the nature of the course components. This follows feedback from IAP/CCPC and the Board of Interdisciplinary Studies in considering the newly proposed Master of Education (Digital Technologies) stream.

Secondly, it is proposed that the requirements as listed in the table for the Master of Education (Taronga Conservation Education) stream be amended to introduce an elective component.

IMPLEMENTATION

From January 1, 2020.

ATTACHMENTS

Minor course proposal: Master of Education
Minor course proposal: Master of Education (Taronga Conservation Education)
Course resolutions for the Master of Education and embedded courses
Unit of study table for the Master of Education (Taronga Conservation Education) stream
Minor Course Amendment Proposal

Faculty: Faculty of Arts and Social Sciences
Contact person: Jennifer Peden

1. Name of award course
   - Master of Education
   - Graduate Diploma in Educational Studies
   - Graduate Certificate in Educational Studies

2. Purpose of proposal
   To amend the resolutions and tables for the Master of Education and embedded course to update the terminology "specialisations" to "streams" to better reflect the nature of the course components.

   This has been undertaken following feedback from IAP/CCPC and the Board of Interdisciplinary Studies in conjunction with the Master of Education (Digital Technologies) proposal.

   The impacted specialisations in the Master of Education and embedded courses are:
   - Educational Management and Leadership
   - Educational Psychology
   - Digital Technologies (pending approval)
   - Higher Education
   - International Education
   - Leadership in Aboriginal Education
   - Special and Inclusive Education
   - Sports Coaching
   - Teaching English to Speakers of other Languages
   - Taronga Conservation Education:

3. Details of amendment
   See the attached marked up resolutions for the Master of Education.

4. Transitional arrangements
   The proposed amendments do not affect students who are currently enrolled.

5. Other relevant information

6. Signature of Dean
Minor Course Amendment Proposal

Faculty: Arts and Social Sciences

Contact person: Dr Debra Talbot

1. Name of award course

| Master of Education (Taronga Conservation Education) |
| Graduate Diploma in Educational Studies (Taronga Conservation Education) |

2. Purpose of proposal

To amend the Awards and requirements so that electives units are to be added

3. Details of amendment

Candidates for the Master of Education (Taronga Conservation Education) must complete 48 credit points, including 18 credit points of core units of study developed and delivered at Taronga, 6 credit points of core units of study developed and delivered at The University of Sydney, a minimum of 12 credit points of elective units of study, and a maximum of 12 credit points of capstone units of study and a maximum of 12 credit points of postgraduate Education units of study which can be chosen from any Master of Education program.

Candidates for the Graduate Diploma in Educational Studies (Taronga Conservation Education) must complete 36 credit points, including a minimum of 24 credit points of core units of study and a maximum of 6 12 credit points of elective units of study, postgraduate Education units of study chosen from any Master of Education program.

4. Transitional arrangements

1. These resolutions apply to students who commenced their candidature after 1 January, 2019 2020 and students who commenced their candidature prior to January, 2019 2020 who elect to proceed under these resolutions.

2. Students who commenced prior to 1 January, 2019 2020 may complete the requirements in accordance with the resolutions in force at the time of their commencement, provided that the requirements are completed by 1 January, 2024 2025 and provided that there is no suspension of candidature, in which case the candidature for any period shall proceed under the by-laws and resolutions in force at the time of re-enrolment. The Faculty may specify a later date for completion or specify alternative requirements for completion of candidatures that extend beyond this time.

5. Other relevant information

6. Signature of Dean
Graduate Certificate in Educational Studies

Graduate Diploma in Educational Studies

Master of Education

These resolutions must be read in conjunction with applicable University By-laws, Rules and policies including (but not limited to) the University of Sydney (Coursework) Rule 2014 (the 'Coursework Rule'), the Coursework Policy 2014, the Resolutions of the Faculty, the University of Sydney (Student Appeals against Academic Decisions) Rule 2006 (as amended), the Academic Honesty in Coursework Policy 2015 and the Academic Honesty Procedures 2016. Up to date versions of all such documents are available from the Policy Register: http://sydney.edu.au/policies.

Course resolutions

1 Course codes

<table>
<thead>
<tr>
<th>Code</th>
<th>Course title</th>
</tr>
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<tbody>
<tr>
<td>GCEDUSTD-02</td>
<td>Graduate Certificate in Educational Studies</td>
</tr>
<tr>
<td>GNEDUSTD-01</td>
<td>Graduate Diploma in Educational Studies</td>
</tr>
<tr>
<td>MAEDUCAT-03</td>
<td>Master of Education</td>
</tr>
</tbody>
</table>

2 Attendance pattern

The attendance pattern for these courses is full time or part time according to candidate choice.

3 Master's type

The master's degree in these resolutions is a professional master's course, as defined by the Coursework Rule.

4 Embedded courses in this sequence

(1) The embedded courses in this sequence are:
   (a) the Graduate Certificate in Educational Studies
   (b) the Graduate Diploma in Educational Studies
   (c) the Master of Education

(2) Providing candidates satisfy the admission requirements for each stage, a candidate may progress to the award of any of the courses in this sequence. Only the longest award completed will be conferred.

5 Admission to candidature

(1) Available places will be offered to qualified applicants based on merit, according to the following admissions criteria. In exceptional circumstances the Dean may admit applicants without these qualifications who, in the opinion of the Faculty, have qualifications and evidence of experience and achievement sufficient to successfully undertake the award.

(2) Admission to candidature for the Graduate Certificate in Educational Studies, the Graduate Diploma in Educational Studies and the Master of Education (excluding the Sports Coaching and Teaching English to Speakers of other Languages streams specialisations) requires:
   (a) a Bachelor of Education from the University of Sydney or equivalent qualification and either the completion of postgraduate studies, or professional experience equivalent to one year full-time, in a field considered by the Faculty to be appropriate to the program of studies; or
   (b) a bachelor's degree and either the Diploma in Education, or the Bachelor of Teaching or the Master of Teaching from the University of Sydney, or equivalent qualification; or
   (c) a bachelor's degree from the University of Sydney, or equivalent qualification, and either the completion of postgraduate studies, or professional experience equivalent to two years full-time, in a field considered by the Faculty to be appropriate to the program of studies; or
   (d) in the case of the Graduate Diploma, completion of the embedded Graduate Certificate in Educational Studies from the University of Sydney, in the same stream specialisation as that in which the applicant wishes to proceed; or equivalent qualification; or
   (e) in the case of the Master of Education, completion of the embedded Graduate Diploma in Educational Studies from the University of Sydney, in the same specialisation stream as that in which the applicant wishes to proceed; or equivalent qualification.

(3) Admission to candidature for the Graduate Certificate in Educational Studies (Sports Coaching), the Graduate Diploma in Educational Studies (Sports Coaching) and the Master of Education (Sports Coaching) requires:
   (a) a bachelor's degree from the University of Sydney or equivalent qualification and either the completion of relevant postgraduate studies or a minimum of two years’ coaching/sporting experience at an elite level; or
   (b) Level 2 National Coaching Accreditation Scheme (NCAS) accreditation or the equivalent and either the completion of relevant postgraduate studies or a minimum of four years' coaching/sporting experience at an elite level; or
   (c) in the case of the Graduate Diploma in Educational Studies (Sports Coaching), completion of the embedded Graduate Certificate in Educational Studies (Sports Coaching) from the University of Sydney, or equivalent qualification.
   (d) in the case of the Master of Education (Sports Coaching), completion of the embedded Graduate Diploma in Educational Studies (Sports Coaching) from the University of Sydney, or equivalent qualification.

(4) Admission to candidature for the Graduate Certificate in Educational Studies (Teaching English to Speakers of other Languages), the Graduate Diploma in Educational Studies (Teaching English to Speakers of other Languages) and the Master of Education (Teaching English to Speakers of other Languages) requires:
Requirements for award

1. The units of study that may be taken for these courses are set out in the Sydney School of Education and Social Work Graduate Certificate/Graduate Diploma in Educational Studies and Master of Education Table of units of study.

2. Candidates may complete the Graduate Certificate, Graduate Diploma or Master's degree with or without a stream specialisation. Candidates who intend to undertake these courses with a stream specialisation must complete the requirements specified in the Streams section below.

3. To qualify for the award of the Graduate Certificate in Educational Studies without a stream specialisation a candidate must complete 24 credit points of units of study, chosen from any units listed in the Table.

4. To qualify for the award of the Graduate Diploma in Educational Studies without a stream specialisation a candidate must complete 36 credit points of units of study, comprising:
   (a) a minimum of 12 credit points of core units of study from one stream specialisation; and
   (b) a maximum of 24 credit points of units of study, chosen from any units listed in the Table.

5. To qualify for the award of the Master of Education without a stream specialisation a candidate must complete 48 credit points of units of study, comprising:
   (a) 18 credit points of units of study from one stream specialisation, including a minimum of 12 credit points of core units and remaining of elective units; plus
   (b) a maximum of 12 credit points of capstone units of study; and
   (c) a minimum of 18 credit points of units of study, chosen from any units listed in the Table.

Streams

1. The completion of a stream specialisation is optional for these courses. The award of a stream specialisation is dependent on the units of study completed.

2. A stream specialisation in the Graduate Certificate requires the completion of the required core and elective units of study listed in the Table for the relevant stream specialisation.

3. A stream specialisation in the Graduate Diploma requires the completion of the required core and elective units of study listed in the Table for the relevant stream specialisation.

4. A stream specialisation in the Master of Education requires the completion of a minimum of 30 credit points (except for the stream specialisation Taronga Conservation Education which requires the completion of a minimum of 24 credit points) chosen from units of study specific to the relevant stream specialisation, including the specified number of core and elective units for that stream specialisation, and a minimum of 6 credit points of capstone units.

5. The stream specialisations available are:
   (a) Educational Management and Leadership
   (b) Educational Psychology
   (c) Higher Education *
   (d) International Education
   (e) Leadership in Aboriginal Education
   (f) Special and Inclusive Education
   (g) Sports Coaching
   (h) Teaching English to Speakers of other Languages
   (i) Taronga Conservation Education

   * This stream specialisation is only offered at the Graduate Certificate level. Candidates completing this stream specialisation can progress to the Graduate Diploma or Master's degree; however will be awarded with no stream specialisation.

Course transfer

A candidate for the master's degree or graduate diploma may elect to discontinue study and graduate with a shorter award from this embedded sequence, with the approval of the Dean, and provided the requirements of the shorter award have been met.

Transitional provisions

1. These resolutions apply to students who commenced their candidature after 1 January, 2019 and students who commenced their candidature prior to January, 2019 who elect to proceed under these resolutions.

Students who commenced prior to 1 January, 2019 may complete the requirements in accordance with the resolutions in force at the time of their commencement, provided that the requirements are completed by 1 January, 2024 and provided that there is no suspension of candidature, in which case the candidate for any period shall proceed under the by-laws and resolutions in force at the time of re-enrolment. The Faculty may specify a later date for completion or specify alternative requirements for completion of candidatures that extend beyond this time.
EDUCATION (TARONGA CONSERVATION EDUCATION)

Errata

<table>
<thead>
<tr>
<th>Item</th>
<th>Errata</th>
<th>Date</th>
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</thead>
<tbody>
<tr>
<td>1.</td>
<td>Classes have changed for the following unit. They are now: EDPT5002 Understanding Conservation Science Classes: Taronga Zoo, Sydney Site: 1x2hr seminar/week</td>
<td>22/1/2019</td>
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</table>

<table>
<thead>
<tr>
<th>Unit of study</th>
<th>Credit points</th>
<th>A: Assumed knowledge</th>
<th>P: Prerequisites</th>
<th>C: Corequisites</th>
<th>N: Prohibition</th>
<th>Session</th>
</tr>
</thead>
</table>
| Taronga Conservation Education

Candidates for the Master of Education (Taronga Conservation Education) must complete 48 credit points, including 18 credit points of core units of study developed and delivered at Taronga, 6 credit points of core units of study developed and delivered at The University of Sydney, a minimum of 12 credit points of elective units of study, and a maximum of 12 credit points of capstone units of study, and a maximum of 12 credit points of postgraduate Education units of study which can be chosen from any Master of Education program.

Candidates for the Graduate Diploma in Educational Studies (Taronga Conservation Education) must complete 36 credit points, including a minimum of 24 credit points of core units of study and a maximum of 12 credit points of elective units of study.

Candidates for the Graduate Certificate in Educational Studies (Taronga Conservation Education) must complete 24 credit points of core units of study.

<table>
<thead>
<tr>
<th>Core units</th>
<th>Credit points</th>
<th>Session</th>
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<tbody>
<tr>
<td>EDPT5002 Understanding Conservation Science</td>
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<td>Semester 1</td>
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<tr>
<td>EDPT5003 Environmental Education Programs</td>
<td>6</td>
<td>P Understanding Conservation Science (new proposal) EDPC5022 Design for Learning</td>
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<tr>
<td>EDPT5004 Conservation Leadership and Change</td>
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<td>P Understanding Conservation Science (new proposal)</td>
</tr>
<tr>
<td>EDPC5022 Design for Learning</td>
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<td>Semester 1</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Capstone units</th>
<th>Credit points</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDPZ6730 Special Project 1</td>
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<td>P 24 credit points of units</td>
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<tr>
<td>EDPZ6731 Special Project 2</td>
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Confidential OR Non-Confidential

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<thead>
<tr>
<th><strong>Author</strong></th>
<th>Jennifer Peden, Coordinator Curriculum &amp; Quality Faculty of Arts &amp; Social Sciences</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Reviewer/Approver</strong></td>
<td>Dr Jan Shaw, Associate Dean (Postgraduate Coursework Programs) Faculty of Arts and Social Sciences</td>
</tr>
<tr>
<td><strong>Proposal / Paper title</strong></td>
<td>Amendments to the terminology used for unit collections in postgraduate award courses in the Faculty of Arts and Social Sciences</td>
</tr>
<tr>
<td><strong>Proposed Year of Implementation</strong></td>
<td>2020</td>
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<tr>
<td><strong>Faculty Approval Date</strong></td>
<td>15 April 2019</td>
</tr>
<tr>
<td><strong>Purpose</strong></td>
<td>To amend the terminology used in resolutions for postgraduate award courses in the Faculty of Arts and Social Sciences for 2020.</td>
</tr>
<tr>
<td><strong>Proposal Presenter</strong></td>
<td>Dr Jan Shaw</td>
</tr>
</tbody>
</table>

**RECOMMENDATION**

That the Graduate Studies Committee recommend that the Academic Board:

1) approve the proposal from the Faculty of Arts and Social Sciences to amend the Master of Art Curating; Graduate Diploma of Art Curating; Graduate Certificate of Art Curating; Master of Contemporary Art; Graduate Diploma in Contemporary Art; Master of Cultural Studies; Graduate Diploma in Cultural Studies; Graduate Certificate in Cultural Studies; Master of Development Studies; Graduate Diploma in Development Studies; Graduate Certificate in Development Studies; Master of Economic Analysis; Graduate Diploma in Economic Analysis; Graduate Certificate in Economic Analysis; Master of Health Security; Graduate Diploma in Health Security; Graduate Certificate in Health Security; Master of Human Rights; Graduate Diploma in Human Rights; Graduate Certificate in Human Rights; Master of International Relations; Graduate Diploma in International Relations; Graduate Certificate in International Relations; Master of International Security; Graduate Diploma in International Security; Graduate Certificate in International Security; Master of Moving Image; Graduate Diploma in Moving Image; Master of Museum and Heritage Studies; Graduate Diploma in Museum and Heritage Studies; Graduate Certificate in Museum and Heritage Studies; Master of Peace and Conflict Studies; Graduate Diploma in Peace and Conflict Studies; Graduate Certificate in Peace and Conflict Studies; Master of Political Economy; Graduate Diploma in Political Economy; Graduate Certificate in Political Economy; Master of Public Policy; Graduate Diploma in Public Policy; Graduate Certificate in Public Policy; and

2) amend the course resolutions arising from the proposal, with effect from January 1, 2020.

**EXECUTIVE SUMMARY**

This proposal seeks to update the terminology used in the resolutions for Faculty of Arts and Social Sciences postgraduate award courses from “core elective” to “selective”. This follows advice from the Board of Interdisciplinary Studies.

The impacted award courses are:

Master of Art Curating and embedded courses
Master of Contemporary Art and embedded courses
Master of Cultural Studies and embedded courses
Confidential OR Non-Confidential
Master of Development Studies and embedded courses
Master of Economic Analysis and embedded courses
Master of Health Security and embedded courses
Master of Human Rights and embedded courses
Master of International Relations and embedded courses
Master of International Security and embedded courses
Master of Moving Image and embedded courses
Master of Museum and Heritage Studies and embedded courses
Master of Peace and Conflict Studies and embedded courses
Master of Political Economy and embedded courses
Master of Public Policy and embedded courses

IMPLEMENTATION

From January 1, 2020.

ATTACHMENTS

Minor course amendment: update to terminology for FASS postgraduate award courses
Resolutions for the following courses:
Master of Art Curating and embedded courses
Master of Contemporary Art and embedded courses
Master of Cultural Studies and embedded courses
Master of Development Studies and embedded courses
Master of Economic Analysis and embedded courses
Master of Health Security and embedded courses
Master of Human Rights and embedded courses
Master of International Relations and embedded courses
Master of International Security and embedded courses
Master of Moving Image and embedded courses
Master of Museum and Heritage Studies and embedded courses
Master of Peace and Conflict Studies and embedded courses
Master of Political Economy and embedded courses
Master of Public Policy and embedded courses
Minor Course Amendment Proposal

Faculty: Faculty of Arts and Social Sciences

Contact person: Tannith Nolan, Curriculum and Quality Office, fass.curriculum@sydney.edu.au

1. Name of award course
   - Master of Art Curating and embedded courses
   - Master of Contemporary Art and embedded courses
   - Master of Cultural Studies and embedded courses
   - Master of Development Studies and embedded courses
   - Master of Economic Analysis and embedded courses
   - Master of Health Security and embedded courses
   - Master of Human Rights and embedded courses
   - Master of International Relations and embedded courses
   - Master of International Security and embedded courses
   - Master of Moving image and embedded courses
   - Master of Museum and Heritage Studies and embedded courses
   - Master of Peace and Conflict Studies and embedded courses
   - Master of Political Economy and embedded courses
   - Master of Public Policy and embedded courses

2. Purpose of proposal
   To amend the Course Resolutions and unit of tables of particular postgraduate award courses due to a change in terminology.

3. Details of amendment
   The terminology has been updated from ‘Core elective’ to ‘selective’ in the above list of Postgraduate award courses. Both ‘Clause 6 Requirements of the award’ in the course resolutions and the unit of study tables will be updated to reflect this new nomenclature.

4. Transitional arrangements
   To be implemented from 2020, current students will not be impacted.

5. Other relevant information

6. Signature of Dean
Graduate Certificate in Art Curating
Graduate Diploma in Art Curating
Master of Art Curating

These resolutions must be read in conjunction with applicable University By-laws, Rules and policies including (but not limited to) the University of Sydney (Coursework) Rule 2014 (the ‘Coursework Rule’), the Coursework Policy 2014, the Resolutions of the Faculty, the University of Sydney (Student Appeals against Academic Decisions) Rule 2006 (as amended) and the Academic Board policies on Academic Dishonesty and Plagiarism. Up to date versions of all such documents are available from the Policy Register: http://www.sydney.edu.au/policies.

Course resolutions

1 Course codes

<table>
<thead>
<tr>
<th>Code</th>
<th>Course title</th>
</tr>
</thead>
<tbody>
<tr>
<td>GCARTCRT-01</td>
<td>Graduate Certificate in Art Curating</td>
</tr>
<tr>
<td>GNARTCRT-01</td>
<td>Graduate Diploma in Art Curating</td>
</tr>
<tr>
<td>MAARTCRT-01</td>
<td>Master of Art Curating</td>
</tr>
</tbody>
</table>

2 Attendance pattern

The attendance pattern for these courses is full time or part time according to candidate choice.

3 Master's type

The master’s degree in these resolutions is an advanced learning master’s course, as defined by the Coursework Rule.

4 Embedded courses in this sequence

(1) The embedded courses in this sequence are:
(a) the Graduate Certificate in Art Curating
(b) the Graduate Diploma in Art Curating
(c) the Master of Art Curating

(2) A candidate for the graduate certificate or graduate diploma may apply to progress to a longer course in this sequence, providing the candidate meets the admission requirements for that course. Only the longest award completed will be conferred.

5 Admission to candidature

(1) Available places will be offered to qualified applicants based on merit, according to the following admissions criteria. In exceptional circumstances the Dean may admit applicants without these qualifications but whose evidence of experience and achievement is deemed by the Dean to be equivalent.

(2) Admission to candidature for the Graduate Certificate in Art Curating requires:
(a) a bachelor’s degree from the University of Sydney or an equivalent qualification; or
(b) equivalent professional experience in a relevant field.

(3) Admission to candidature for the Graduate Diploma in Art Curating requires:
(a) a bachelor’s degree with a major in Anthropology, Archaeology, Art History, Cultural Geography, Cultural Studies, Education, English, Gender Studies, History, Indigenous Studies or related field and a minimum 60% average calculated over the whole degree, from the University of Sydney, or an equivalent qualification; or
(b) completion of the Graduate Certificate in Art Curating with a minimum credit (65 percent) average, or an equivalent qualification.

(4) Admission to candidature for the Master of Art Curating requires:
(a) a bachelor’s degree with a major in Anthropology, Archaeology, Art History, Cultural Geography, Cultural Studies, Education, English, Gender Studies, History, Indigenous Studies or related field and a minimum credit (65%) average calculated over the whole degree, from the University of Sydney, or an equivalent qualification; or
(b) completion of the requirements for the embedded Graduate Certificate or Graduate Diploma in Art Curating with a minimum credit (65%) average, or an equivalent qualification.

6 Requirements for award

(1) The units of study that may be taken for these courses are set out in the Postgraduate Table of Units of Study for the Art Curating subject area.

(2) Candidates for the Graduate Certificate in Art Curating are required to complete 24 credit points, including:
(a) a minimum of 6 credit points of core units of study; and
(b) a minimum of 6 credit points of selectiv units of study; and
(c) a maximum of 12 credit points from elective units of study.

(3) Candidates for the Graduate Diploma in Art Curating are required to complete 48 credit points, including:
(a) a minimum of 12 credit points of core units of study; and
(b) a minimum of 18 credit points of selectiv units of study; and
(c) a maximum 18 credit points from elective units of study. With the permission of the Degree Coordinator a maximum of 6 credit points can be taken as elective units from units of study outside those listed in the Art Curating subject area of the Postgraduate Unit of Study Table.

(4) Candidates for the Master of Art Curating are required to complete 72 credit points including:
(a) a minimum of 18 credit points of core units of study; and
(b) a minimum of 12 credit points of elective units of study; and
(c) a maximum of 36 credit points from elective units of study. With the permission of the Degree Coordinator a maximum of 12 credit points of elective units can be taken from units of study outside those listed in the Art Curating subject area of the Postgraduate Unit of Study Table, including a maximum of 6 credit points from units of study offered by other faculties.
(d) at least 6 credit points of capstone units of study.

7 Recognition of Prior Learning

(1) Waivers and credit may be granted or the volume of learning may be reduced in recognition of prior learning.
(2) Credit may be granted for up to 50% of course requirements for relevant incomplete postgraduate qualifications.
(3) Candidates offered direct admission to the Master of Art Curating may be eligible for a reduction in the volume of learning of up to 24 credit points, subject to the following:
   (a) The maximum permissible reduction in the volume of learning is 24 credit points for a qualification at level 8 of the Australian Qualifications Framework in a relevant discipline as defined by the Faculty of Arts and Social Sciences.
   (b) The maximum permissible reduction in the volume of learning is 24 credit points for relevant professional work experience deemed by the Faculty of Arts and Social Sciences to have conferred a volume of learning equivalent to that of a Graduate Certificate in a relevant discipline.
(4) The maximum combined credit and reduction in the volume of learning for prior study granted to a candidate will not exceed 50% of the requirements of the course.

8 Course transfer

A candidate for the master's degree or graduate diploma may elect to discontinue study and graduate with a shorter award from this sequence, with the approval of the Dean, and provided the requirements of the shorter award have been met.

9 Transitional provisions

(1) These resolutions apply to students who commenced their candidature after 1 January 2017.
Graduate Diploma in Contemporary Art

Master of Contemporary Art

These resolutions must be read in conjunction with applicable University By-laws, Rules and policies including (but not limited to) the University of Sydney (Coursework) Rule 2014 (the 'Coursework Rule'), the Coursework Policy 2014, the Resolutions of the Faculty, the University of Sydney (Student Appeals against Academic Decisions) Rule 2006 (as amended), the Academic Honesty in Coursework Policy 2015 and the Academic Honesty Procedures 2016. Up to date versions of all such documents are available from the Policy Register: http://sydney.edu.au/policies.

Course resolutions

1 Course codes

<table>
<thead>
<tr>
<th>Code</th>
<th>Course title</th>
</tr>
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<tbody>
<tr>
<td>GNCTMPAR-01</td>
<td>Graduate Diploma in Contemporary Art</td>
</tr>
<tr>
<td>MACTMPAR-01</td>
<td>Master of Contemporary Art</td>
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</tbody>
</table>

2 Attendance pattern

The attendance pattern for this course is full time or part time according to candidate choice.

3 Master's type

The master's degree in these resolutions is a professional master's course, as defined by the Coursework Policy 2014.

4 Embedded courses in this sequence

(1) The embedded courses in this sequence are:
(a) the Graduate Diploma in Contemporary Art
(b) the Master of Contemporary Art.

(2) Only the highest award completed will be conferred.

5 Admission to candidature

(1) Available places will be offered to qualified applicants in the order in which complete applications are received, according to the following admissions criteria.

(2) Admission to the Master of Contemporary Art requires:
(a) a bachelor's degree or higher award in visual arts, from the University of Sydney, or a qualification deemed by the faculty to be equivalent; and
(b) the presentation of a project proposal that demonstrates an awareness of the contemporary context for and issues related; and
(c) the presentation of a project proposal and a portfolio of creative work demonstrating the ability to undertake advanced art practice and coursework.

(3) In exceptional circumstances the Dean may admit applicants without these qualifications who, in the opinion of the faculty, have qualifications and evidence of experience and achievement sufficient to successfully undertake the award.

6 Requirements for award

(1) To qualify for the award of the Graduate Diploma in Contemporary Art a candidate must complete 48 credit points, including:
(a) 30 credit points of core units of study; and
(b) 18 credit points of elective units of study.

(2) To qualify for the award of the Master of Contemporary Art a candidate must complete 72 credit points, including:
(a) 30 credit points of core units of study;
(b) 6 credit points of capstone units of study;
(c) 6 credit points of selective units of study; and
(d) 30 credit points of elective units of study.

(3) Candidates may apply to the course coordinator to substitute six credit points of electives with any other postgraduate coursework unit of study in the University. Permission may also be required from the coordinator of the chosen unit.

7 Course transfer

A candidate for the master's degree may elect to discontinue study and graduate with a shorter award from this embedded sequence, with the approval of the Dean, and provided the requirements of the shorter award have been met.
Graduate Certificate in Cultural Studies
Graduate Diploma in Cultural Studies
Master of Cultural Studies

These resolutions must be read in conjunction with applicable University By-laws, Rules and policies including (but not limited to) the University of Sydney (Coursework) Rule 2014 (the 'Coursework Rule'), the Coursework Policy 2014, the Resolutions of the Faculty, the University of Sydney (Student Appeals against Academic Decisions) Rule 2006 (as amended), the Academic Honesty in Coursework Policy 2015 and the Academic Honesty Procedures 2016. Up to date versions of all such documents are available from the Policy Register: http://sydney.edu.au/policies.

Course resolutions

1 Course codes

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<td>GCCULSTD-01</td>
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<tr>
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<td>Graduate Diploma in Cultural Studies</td>
</tr>
<tr>
<td>MACULSTD-01</td>
<td>Master of Cultural Studies</td>
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</table>

2 Attendance pattern

The attendance pattern for these courses is full time or part time according to candidate choice.

3 Master's type

The master's degree in these resolutions is an advanced learning master's course, as defined by the Coursework Rule.

4 Embedded courses in this sequence

1 The embedded courses in this sequence are:

(a) the Graduate Certificate in Cultural Studies
(b) the Graduate Diploma in Cultural Studies
(c) the Master of Cultural Studies

2 A candidate for the graduate certificate or graduate diploma may apply to progress to a longer course in this sequence, providing the candidate meets the admission requirements for that course. Only the longest award completed will be conferred.

5 Admission to candidature

1 Available places will be offered to qualified applicants based on merit, according to the following admissions criteria. In exceptional circumstances the Dean may admit applicants without these qualifications but whose evidence of experience and achievement is deemed by the Dean to be equivalent.

2 Admission to candidature for the Graduate Certificate in Cultural Studies requires a bachelor's degree from the University of Sydney, with a major in a relevant subject area in the humanities or social sciences, or an equivalent qualification. Relevant, recent professional qualifications and experience may be assessed as suitable for admission by the Dean under the provision for exceptional circumstances outlined in the Coursework Rule.

3 Admission to candidature for the Graduate Diploma in Cultural Studies requires:

(a) a bachelor's degree from the University of Sydney with a minimum 60% average calculated over the whole degree, including a major in a relevant subject area in the humanities or social sciences, or an equivalent qualification; or
(b) completion of the requirements for the Graduate Certificate in Cultural Studies with a minimum credit (65%) average, or an equivalent qualification.

4 Admission to candidature for the Master of Cultural Studies requires:

(a) a bachelor's degree with a minimum credit (65%) average calculated over the whole degree, from the University of Sydney, including a major in a relevant subject area in the humanities or social sciences, or an equivalent qualification; or
(b) completion of the requirements for the embedded Graduate Certificate or Graduate Diploma in Cultural Studies with a minimum credit (65%) average, or an equivalent qualification.

6 Requirements for award

1 The units of study that may be taken for these courses are set out in the Postgraduate Table of Units of Study for the Cultural Studies subject area.

2 To qualify for the award of the Graduate Certificate in Cultural Studies a candidate must complete 24 credit points of units of study, including:

(a) a minimum of 18 credit points of core or selective core elective units of study; and
(b) a maximum of 6 credit points from elective units of study.

3 To qualify for the award of the Graduate Diploma in Cultural Studies a candidate must complete 48 credit points of units of study, including:

(a) a minimum of 30 credit points from selective core elective units of study; and
(b) a maximum of 18 credit points from elective units of study. With the permission of the Degree Coordinator a maximum of 6 credit points of elective units can be taken from units of study outside those listed in the Cultural Studies subject area of the Postgraduate Unit of Study Table, units of study offered by other faculties.

4 To qualify for the award of the Master of Cultural Studies a candidate must complete 72 credit points, including:
1. Recognition of Prior Learning
   1. Waivers and reductions in the volume of learning may be granted or the volume of learning may be reduced in recognition of prior learning.
   2. Credit may be granted for up to 50% of course requirements for relevant incomplete postgraduate qualifications.
   3. Candidates offered direct admission to the Master of Cultural Studies may be eligible for a reduction in the volume of learning of up to 24 credit points, subject to the following:
      a. The maximum permissible reduction in the volume of learning is 24 credit points for a qualification at level 8 of the Australian Qualifications Framework in a relevant discipline as defined by the Faculty of Arts and Social Sciences.
      b. The maximum permissible reduction in the volume of learning is 24 credit points for relevant professional work experience deemed by the Faculty of Arts and Social Sciences to have conferred a volume of learning equivalent to that of a Graduate Certificate in a relevant discipline.
   4. The maximum combined waiver and reduction in the volume of learning for prior study granted to a candidate will not exceed 50% of the requirements of the course.

2. Course transfer
   A candidate for the master’s degree or graduate diploma may elect to discontinue study and graduate with a shorter award from this sequence, with the approval of the Dean, and provided the requirements of the shorter award have been met.

3. Transitional provisions
   1. These resolutions apply to students who commenced their candidature after 1 January 2017.
   2. Candidates who commenced prior to 1 January 2017 will complete the requirements in accordance with the resolutions in force at the time of their commencement, provided that requirements are completed by 1 January 2022. The Faculty may specify a later date for completion or specify alternative requirements for completion of candidatures that extend beyond this time.
Graduate Certificate in Development Studies

Graduate Diploma in Development Studies

Master of Development Studies

These resolutions must be read in conjunction with applicable University By-laws, Rules and policies including (but not limited to) the University of Sydney (Coursework) Rule 2014 (the 'Coursework Rule'), the Coursework Policy 2014, the Resolutions of the Faculty, the University of Sydney (Student Appeals against Academic Decisions) Rule 2006 (as amended), the Academic Honesty in Coursework Policy 2015 and the Academic Honesty Procedures 2016. Up to date versions of all such documents are available from the Policy Register: http://sydney.edu.au/policies.

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<td>GCDEVSTD-01</td>
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<td>Graduate Diploma in Development Studies</td>
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<tr>
<td>MADEVSTD-01</td>
<td>Master of Development Studies</td>
</tr>
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</table>

2 Attendance pattern

The attendance pattern for these courses is full time or part time according to candidate choice.

3 Master's type

The master's degree in these resolutions is an advanced learning master's course, as defined by the Coursework Policy.

4 Embedded courses in this sequence

(1) The embedded courses in this sequence are:
   (a) the Graduate Certificate in Development Studies
   (b) the Graduate Diploma in Development Studies
   (c) the Master of Development Studies

(2) A candidate for the graduate certificate or graduate diploma may apply to progress to a longer course in this sequence, providing the candidate meets the admission requirements for that course. Only the longest award completed will be conferred.

5 Admission to candidature

(1) Available places will be offered to qualified applicants based on merit, according to the following admissions criteria. In exceptional circumstances the Dean may admit applicants without these qualifications but whose evidence of experience and achievement is deemed by the Dean to be equivalent.

(2) Admission to candidature for the Graduate Certificate in Development Studies requires a bachelor's degree in any area.

(3) Admission to candidature for the Graduate Diploma in Development Studies requires:
   (a) a bachelor's degree with a minimum 60% average calculated over the whole degree, from the University of Sydney, including a major in a relevant subject area in the humanities or social sciences, or an equivalent qualification; or
   (b) completion of the Graduate Certificate in Development Studies with a minimum credit (65%) average, or an equivalent qualification.

(4) Admission to candidature for the Master of Development Studies requires:
   (a) a bachelor's degree with a minimum credit (65%) average calculated over the whole degree, from the University of Sydney, including a major in a relevant subject area in the Social Sciences, or an equivalent qualification; or
   (b) completion of the requirements for the embedded Graduate Certificate or Graduate Diploma in Development Studies with a minimum credit (65%) average, or an equivalent qualification.

6 Requirements for award

(1) The units of study that may be taken for these courses are set out in the Postgraduate Table of Units of Study for the Development Studies subject area.

(2) To qualify for the award of the Graduate Certificate in Development Studies a candidate must complete 24 credit points of units of study, including:
   (a) 12 credit points of core units of study; and
   (b) 12 credit points from elective units of study.

(3) To qualify for the award of the Graduate Diploma in Development Studies a candidate must complete 48 credit points, including:
   (a) 24 credit points of core units of study; and
   (b) 6 credit points from elective units of study; and
   (c) 18 credit points from elective units of study.

(4) To qualify for the award of the Master of Development Studies a candidate must complete 72 credit points, including:
   (a) a minimum of 24 credit points of core units of study; and
   (b) a minimum of 6 credit points from elective units of study; and
   (c) a maximum of 30 credit points from elective units of study. With the permission of the Degree Coordinator a maximum of 12 credit points can be taken as elective units from units of study outside those listed in the Development Studies subject area of the Postgraduate Unit of Study Table, including units of study from other faculties; and
   (d) a minimum of 6 credit points from capstone units of study.
7 Recognition of Prior Learning

(1) Waivers and reductions in the volume of learning may be granted or the volume of learning may be reduced in recognition of prior learning.

(2) Credit may be granted for up to 50% of course requirements for relevant incomplete postgraduate qualifications.

(3) Candidates offered direct admission to the Master of Development Studies may be eligible for a reduction in the volume of learning of up to 24 credit points, subject to the following:

(a) The maximum permissible reduction in the volume of learning is 24 credit points for a qualification at level 8 of the Australian Qualifications Framework in a relevant discipline as defined by the Faculty of Arts and Social Sciences.

(b) The maximum permissible reduction in the volume of learning is 24 credit points for relevant professional work experience deemed by the Faculty of Arts and Social Sciences to have conferred a volume of learning equivalent to that of a Graduate Certificate in a relevant discipline.

(4) The maximum combined waiver and reduction in the volume of learning for prior study granted to a candidate will not exceed 50% of the requirements of the course.

8 Course transfer

A candidate for the master’s degree or graduate diploma may elect to discontinue study and graduate with a shorter award from this sequence, with the approval of the Dean, and provided the requirements of the shorter award have been met.

8 Transitional provisions

(1) These resolutions apply to students who commenced their candidature after 1 January 2018.

(2) Candidates who commenced prior to 1 January 2018 will complete the requirements in accordance with the resolutions in force at the time of their commencement, provided that requirements are completed by 1 January 2023. The Faculty may specify a later date for completion or specify alternative requirements for completion of candidatures that extend beyond this time.
Master of Economic Analysis
Graduate Diploma in Economic Analysis
Graduate Certificate in Economic Analysis

Graduate Certificate in Economic Analysis
These resolutions must be read in conjunction with applicable University By-laws, Rules and policies including (but not limited to) the University of Sydney (Coursework) Rule 2014 (the ‘Coursework Rule’), the Coursework Policy 2014, the Resolutions of the School, the University of Sydney (Student Appeals against Academic Decisions) Rule 2006 (as amended), the Academic Honesty in Coursework Policy 2015 and the Academic Honesty Procedures 2016. Up to date versions of all such documents are available from the Policy Register: http://sydney.edu.au/policies.

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<td>GNECONAN-01</td>
<td>Graduate Diploma in Economic Analysis</td>
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<tr>
<td>GCECONAN-01</td>
<td>Graduate Certificate in Economic Analysis</td>
</tr>
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</table>

2 Attendance pattern
The attendance pattern for this course is full time or part time according to candidate choice.

3 Master’s type
The master’s degree in these resolutions is an advanced learning master’s course, as defined by the Coursework Rule and the Coursework Policy 2015.

4 Embedded courses in this sequence
(1) The embedded courses in this sequence are:
(a) the Graduate Certificate in Economic Analysis
(b) the Graduate Diploma in Economic Analysis
(c) the Master of Economic Analysis
(2) A candidate in the graduate diploma may apply to progress to a longer course in this sequence, providing the candidate meets the admission requirements for that course. Only the longest award completed will be conferred.

5 Admission to candidature
(1) Available places will be offered to qualified applicants based on merit, according to the following admissions criteria. In exceptional circumstances the Dean may admit applicants without these qualifications but whose evidence of experience and achievement is deemed by the Dean to be equivalent.
(2) Admission to candidature for the Graduate Certificate in Economic Analysis requires:
(a) a bachelor's degree in Science or Engineering from the University of Sydney with a minimum Credit (65%) average, or an equivalent qualification; or
(b) completion of the Graduate Certificate in Economics with a minimum Distinction (75%) average; or
(c) a bachelor's degree from the University of Sydney, including a major in Economics with a minimum Distinction (75%) average, or an equivalent qualification.
(3) Admission to candidature for the Graduate Diploma in Economic Analysis requires:
(a) a bachelor's degree from the University of Sydney, including a major in Economics with a minimum Distinction (75%) average, or an equivalent qualification; or
(b) completion of the Graduate Certificate in Economics with a minimum Distinction (75%) average, or an equivalent qualification; or
(c) completion of the requirements for the Graduate Certificate in Economics with a minimum High Distinction (85%) average, or an equivalent qualification.
(4) Admission to candidature for the Master of Economic Analysis requires:
(a) a bachelor's degree from the University of Sydney, including a major in Economics with a minimum Distinction (75%) average, or an equivalent qualification; or
(b) completion of the requirements for the embedded Graduate Certificate or Graduate Diploma in Economic Analysis with a minimum Distinction (75%) average, or an equivalent qualification; or
(c) completion of the requirements for the Graduate Certificate in Economics with a minimum High Distinction (85%) average, or an equivalent qualification.

6 Requirements for award
(1) The units of study that may be taken for these courses are set out in the Postgraduate Table of Units of Study for the Economic Analysis subject area.
(2) To qualify for the award of the Graduate Certificate in Economic Analysis a candidate must complete 24 credit points of core units of study.
(3) To qualify for the award of the Graduate Diploma in Economic Analysis a candidate must complete 48 credit points, including:
(a) 24 credit points from core units of study; and
(b) a minimum of 12 credit points from elective units of study; and
To qualify for the award of the Masters of Economic Analysis a candidate must complete 72 credit points, including:

(a) 24 credit points from core units of study; and
(b) a minimum of 24 credit points from selective core/elective units of study; and
(c) a maximum of 12 credit points from elective units of study.
(d) 12 credit points of capstone units of study.

7 Recognition of Prior Learning

(1) Waivers and reductions in the volume of learning may be granted or the volume of learning may be reduced in recognition of prior learning.

(2) Credit may be granted for up to 50 per cent of course requirements for relevant incomplete postgraduate qualifications.

(3) The maximum combined waiver and reduction in the volume of learning for prior study granted to a candidate will not exceed 50 per cent of the requirements of the course.

8 Course transfer

A candidate for the master's degree or graduate diploma may elect to discontinue study and graduate with a shorter award from this sequence, with the approval of the Dean, and provided the requirements of the shorter award have been met.

9 Transitional provisions

(1) These resolutions apply to students who commenced their candidature after 1 January, 2018 and students who commenced their candidature prior to 1 January, 2018 who elect to proceed under these resolutions.
Graduate Certificate in Health Security

Graduate Diploma in Health Security

Master of Health Security

These resolutions must be read in conjunction with applicable University By-laws, Rules and policies including (but not limited to) the University of Sydney (Coursework) Rule 2014 (the 'Coursework Rule'), the Coursework Policy 2014, the Resolutions of the Faculty, the University of Sydney (Student Appeals against Academic Decisions) Rule 2006 (as amended), the Academic Honesty in Coursework Policy 2015 and the Academic Honesty Procedures 2016. Up to date versions of all such documents are available from the Policy Register: http://sydney.edu.au/policies.

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<td>GNHLTSEC-0</td>
<td>Graduate Diploma in Health Security</td>
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<td>MAHLTSEC-01</td>
<td>Master of Health Security</td>
</tr>
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</table>

2 Attendance pattern

The attendance pattern for these courses is full time or part time according to candidate choice.

3 Master's type

The master's degree in these resolutions is an advanced learning master's course, as defined by the Coursework Rule.

4 Embedded courses in this sequence

(1) The embedded courses in this sequence are:
   (a) Graduate Certificate in Health Security
   (b) the Graduate Diploma in Health Security
   (c) the Master of Health Security

(2) A candidate for the graduate certificate or graduate diploma may apply to progress to a longer course in this sequence, providing the candidate meets the admission requirements for that course. Only the longest award completed will be conferred.

5 Cross-faculty management

Candidates in this degree program will be under the general supervision of the Faculty of Arts and Social Sciences until the end of the semester in which they complete the requirements for the Master of Health Security. The Deans of the Faculty of Arts and Social Sciences, the Faculty of Veterinary Science and the School of Medicine shall jointly exercise authority in any matter concerned with the course not otherwise dealt with in these resolutions.

6 Admission to candidature

(1) Available places will be offered to qualified applicants based on merit, according to the following admissions criteria. In exceptional circumstances the Dean may admit applicants without these qualifications but whose evidence of experience and achievement is deemed by the Dean to be equivalent.

(2) Admission to candidature for the Graduate Certificate in Health Security requires:
   (a) a bachelor's degree from the University of Sydney or an equivalent qualification; or
   (b) equivalent professional experience in a relevant field.

(3) Admission to candidature for the Graduate Diploma in Health Security requires:
   (a) a bachelor's degree from the University of Sydney with a minimum 60% average calculated over the whole degree, or an equivalent qualification; or
   (b) completion of the requirements for the Graduate Certificate in Health Security with a minimum credit (65%) average, or an equivalent qualification.

(4) Admission to candidature for the Master of Health Security requires:
   (a) a bachelor's degree with a credit (65%) average calculated over the whole degree, from the University of Sydney, or an equivalent qualification; or
   (b) completion of the requirements for the embedded Graduate Certificate or Graduate Diploma in Health Security with a minimum credit (65%) average, or an equivalent qualification.

7 Requirements for award

(1) The units of study that may be taken for these courses are set out in the Postgraduate Table of Units of Study for the Health Security subject area.

(2) Candidates for the Graduate Certificate in Health Security are required to complete 24 credit points, including:
   (a) a minimum of 12 credit points of core units of study; and
   (b) a maximum of 12 credit points of selective core elective units of study.

(3) To qualify for the award of the Graduate Diploma in Health Security a candidate must complete 48 credit points, including:
   (a) a minimum of 24 credit points of core units of study; and
   (b) a maximum of 24 credit points of selective core elective units of study.
Candidates for the Master of Health Security are required to complete 96 credit points, including:

(a) a minimum of 24 credit points of core units of study; and
(b) a minimum of 36 credit points of selective core elective units of study, including a specialisation; and
(c) a maximum of 30 credit points of elective units of study (with the permission of the Degree Coordinator a maximum of 6 credit points of elective units can be taken from units of study outside those listed in the Health Security subject area of the Postgraduate Unit of Study Table, including units of study offered by other faculties) and;
(d) a minimum of 6 credit points of capstone units of study.

Specialisations

Completion of a specialisation is a requirement of the Master’s degree. A specialisation requires the completion of at least 36 credit points chosen from the units of study listed in the table for that specialisation, unless candidates are exempted on the basis of recognised prior learning. Units of study counted towards one specialisation may not count toward any other. The specialisations available are:

(a) Human and Animal Biosecurity
(b) Biodefence and Biosafety; and
(c) Agrosecurity

Recognition of Prior Learning

Waivers and credit may be granted or the volume of learning may be reduced in recognition of prior learning.

Candidates offered direct admission to the Master of Health Security may be eligible for a reduction in the volume of learning of up to 48 credit points, subject to the following:

(a) The maximum permissible reduction in the volume of learning is 24 credit points for bachelor’s degree at level 7 of the Australian Qualifications Framework with a major in a discipline of medicine, veterinary science, nursing, health sciences, the Social Sciences, Humanities or Law or as defined by the Faculty of Arts and Social Sciences, and subject to the specialisation selected;
(b) The maximum permissible reduction in the volume of learning is 48 credit points for a qualification at level 8 or higher of the Australian Qualifications Framework in a discipline in medicine, veterinary science, nursing, health sciences, the Social Sciences, Humanities or Law, and subject to the specialisation selected; and
(c) The maximum permissible reduction in the volume of learning is 24 credit points for relevant professional work experience deemed by the Faculty of Arts and Social Sciences to have conferred a volume of learning equivalent to that of a Graduate Certificate in a relevant discipline.

The maximum combined credit and reduction in the volume of learning for prior study granted to a candidate will not exceed 50% of the requirements of the course.

Course transfer

A candidate for the master’s degree or graduate diploma may elect to discontinue study and graduate with a shorter award from this sequence, with the approval of the Dean, and provided the requirements of the shorter award have been met.

Transitional provisions

These resolutions apply to students who commenced their candidature after 1 January 2016.
Graduate Certificate in Human Rights

Graduate Diploma in Human Rights

Master of Human Rights

These resolutions must be read in conjunction with applicable University By-laws, Rules and policies including (but not limited to) the University of Sydney (Coursework) Rule 2014 (the 'Coursework Rule'), the Coursework Policy 2014, the Resolutions of the Faculty, the University of Sydney (Student Appeals against Academic Decisions) Rule 2006 (as amended), the Academic Honesty in Coursework Policy 2015 and the Academic Honesty Procedures 2016. Up to date versions of all such documents are available from the Policy Register: http://sydney.edu.au/policies.

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<td>GNHUMRIG-01</td>
<td>Graduate Diploma in Human Rights</td>
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<td>MAHUMRIG-01</td>
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2 Attendance pattern

The attendance pattern for these courses is full time or part time according to candidate choice.

3 Master's type

The master's degree in these resolutions is an advanced learning master's course, as defined by the Coursework Policy.

4 Embedded courses in this sequence

1 The embedded courses in this sequence are:

(a) the Graduate Certificate in Human Rights
(b) the Graduate Diploma in Human Rights
(c) the Master of Human Rights

2 A candidate for the graduate certificate or graduate diploma may apply to progress to a longer course in this sequence, providing the candidate meets the admission requirements for that course. Only the longest award completed will be conferred.

5 Admission to candidature

1 Available places will be offered to qualified applicants based on merit, according to the following admissions criteria. In exceptional circumstances the Dean may admit applicants without these qualifications but whose evidence of experience and achievement is deemed by the Dean to be equivalent.

2 Admission to candidature for the Graduate Certificate in Human Rights requires:

(a) a bachelor's degree from the University of Sydney, with a major in a relevant subject area in the humanities or social sciences, or an equivalent qualification; or
(b) a Bachelor of Laws degree, or an equivalent qualification; or
(c) evidence of a minimum of three years' recent, relevant, professional experience in the field deemed by the Dean to be equivalent to the academic admission requirements.

3 Admission to candidature for the Graduate Diploma in Human Rights requires:

(a) a bachelor's degree with a minimum 60% average calculated over the whole degree, from the University of Sydney, including a major in a relevant subject area in the humanities or social sciences, or an equivalent qualification; or
(b) a Bachelor of Laws degree with a minimum 60% average calculated over the whole degree, or an equivalent qualification; or
(c) completion of the Graduate Certificate in Human Rights with a minimum credit (65%) average, or an equivalent qualification.

4 Admission to candidature for the Master of Human Rights requires:

(a) a bachelor's degree with a minimum credit (65%) average calculated over the whole degree, from the University of Sydney, including a major in a relevant subject area in the humanities or social sciences, or an equivalent qualification; or
(b) a Bachelor of Laws degree with a minimum credit (65%) average calculated over the whole degree, or an equivalent qualification; or
(c) completion of the requirements for the embedded Graduate Certificate or Graduate Diploma in Human Rights with a minimum credit (65%) average, or an equivalent qualification.

6 Requirements for award

1 The units of study that may be taken for these courses are set out in the Postgraduate Table of Units of Study for the Human Rights subject area.

2 Candidates for the Graduate Certificate in Human Rights are required to complete 24 credit points including:

(a) 12 credit points of core units of study; and
(b) 6 credit points of selective core-elective units of study; and
(c) 6 credit points of elective units of study.

3 Candidates for the Graduate Diploma in Human Rights are required to complete 48 credit points including:

(a) a minimum of 24 credit points of core units of study; and
(b) a minimum of 6 credit points of selective core-elective units of study; and
(c) a maximum of 18 credit points from elective units of study. With the permission of the Degree Coordinator a maximum of 12 credit points can be taken as elective units from units of study outside those listed in the Human Rights subject area of the Postgraduate Unit of Study Table, including units of study from other faculties.

(4) Candidates for the Master of Human Rights are required to complete 72 credit points including:

(a) 24 credit points of core units of study;

(b) a minimum of 12 credit points of selectiv*c*e electiv*c*e units of study;

(c) a maximum of 30 credit points from elective units of study. With the permission of the Degree Coordinator a maximum of 12 credit points can be taken as elective units from units of study outside those listed in the Human Rights subject area of the Postgraduate Unit of Study Table, including units of study from other faculties.

(d) a minimum of 6 credit points from capstone units of study.

(e) an optional specialisation as listed in the unit of study table.

7 Cross-institutional Study

Cross-institutional study is not available in the Graduate Certificate in Human Rights.

8 Recognition of Prior Learning

(1) Waivers and reductions in the volume of learning may be granted or the volume of learning may be reduced in recognition of prior learning.

(2) Credit may be granted for up to 50% of course requirements for relevant incomplete postgraduate qualifications.

(3) Candidates offered direct admission to the Master of Human Rights may be eligible for a reduction in the volume of learning of up to 24 credit points, subject to the following:

(a) The maximum permissible reduction in the volume of learning is 24 credit points for a qualification at level 8 of the Australian Qualifications Framework in a relevant discipline as defined by the Faculty of Arts and Social Sciences.

(b) The maximum permissible reduction in the volume of learning is 24 credit points for relevant professional work experience deemed by the Faculty of Arts and Social Sciences to have conferred a volume of learning equivalent to that of a Graduate Certificate in a relevant discipline.

(4) The maximum combined waiver and reduction in the volume of learning for prior study granted to a candidate will not exceed 50% of the requirements of the course.

9 Course transfer

A candidate for the master's degree or graduate diploma may elect to discontinue study and graduate with a shorter award from this sequence, with the approval of the Dean, and provided the requirements of the shorter award have been met.

10 Transitional provisions

(1) These resolutions apply to students who commenced their candidature after 1 January 2018.

(2) Candidates who commenced prior to 1 January 2018 will complete the requirements in accordance with the resolutions in force at the time of their commencement, provided that requirements are completed by 1 January 2023. The Faculty may specify a later date for completion or specify alternative requirements for completion of candidatures that extend beyond this time.
Master of International Relations

Graduate Diploma in International Relations

Graduate Certificate in International Relations

These resolutions must be read in conjunction with applicable University By-laws, Rules and policies including (but not limited to) the University of Sydney (Coursework) Rule 2014 (the 'Coursework Rule'), the Coursework Policy 2014, the Resolutions of the Faculty, the University of Sydney (Student Appeals against Academic Decisions) Rule 2006 (as amended), the Academic Honesty in Coursework Policy 2015 and the Academic Honesty Procedures 2016. Up to date versions of all such documents are available from the Policy Register: http://sydney.edu.au/policies.

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<th>Course title</th>
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<tbody>
<tr>
<td>MAINTREL-01</td>
<td>Master of International Relations</td>
</tr>
<tr>
<td>GNINTREL-01</td>
<td>Graduate Diploma in International Relations</td>
</tr>
<tr>
<td>GCINTREL-01</td>
<td>Graduate Certificate in International Relations</td>
</tr>
</tbody>
</table>

2 Attendance pattern

The attendance pattern for this course is full time or part time according to candidate choice.

3 Master's type

The master's degree in these resolutions is an advanced learning master's course, as defined by the Coursework Policy.

4 Embedded courses in this sequence

1 The embedded courses in this sequence are:
   (a) the Graduate Certificate in International Relations
   (b) the Graduate Diploma in International Relations
   (c) the Master of International Relations

2 A candidate for the graduate certificate or graduate diploma may apply to progress to a longer course in this sequence, providing the candidate meets the admission requirements for that course. Only the longest award completed will be conferred.

5 Admission to candidature

1 Available places will be offered to qualified applicants based on merit, according to the following admissions criteria. In exceptional circumstances the Dean may admit applicants without these qualifications but whose evidence of experience and achievement is deemed by the Dean to be equivalent.

2 Admission to candidature for the Graduate Certificate in International Relations requires a bachelor's degree from the University of Sydney, or an equivalent qualification.

3 Admission to candidature for the Graduate Diploma in International Relations requires:
   (a) a bachelor's degree from the University of Sydney with a minimum 60% average calculated over the whole degree, or an equivalent qualification; or
   (b) completion of the Graduate Certificate in International Relations with a minimum credit (65%) average, or an equivalent qualification.

4 Admission to candidature for the Master of International Relations requires:
   (a) a bachelor's degree with a credit (65%) average calculated over the whole degree, from the University of Sydney, or an equivalent qualification; or
   (b) completion of the requirements for the embedded Graduate Certificate or Graduate Diploma in International Relations with a minimum credit (65%) average, or an equivalent qualification.

6 Requirements for award

1 The units of study that may be taken for these courses are set out in the Postgraduate Table of Units of Study for the International Relations subject area.

2 Candidates for the Graduate Certificate in International Relations are required to complete 24 credit points, including:
   (a) a minimum of 12 credit points of core units of study; and
   (b) a maximum of 12 credit points of selective core units of study.

3 Candidates for the Graduate Diploma in International Relations are required to complete 48 credit points, including:
   (a) a minimum of 12 credit points of core units of study; and
   (b) a minimum of 24 credit points of selective core units of study.

4 Candidates for the Master of International Relations are required to complete 96 credit points, including:
   (a) a minimum of 30 credit points of core units of study; and
   (b) a minimum of 24 credit points of selective core units of study; and
   (c) a maximum of 30 credit points of elective units of study.

With the permission of the Degree Coordinator a maximum of 6 credit points of elective units can be taken from units of study outside those listed in the International Relations subject area of the Postgraduate Unit of Study Table, including units of study offered by other faculties and;
(d) a minimum of 6 credit points of capstone units of study.

7 Recognition of prior learning

(1) Waivers and credit may be granted or the volume of learning may be reduced in recognition of prior learning.

(2) Credit may be granted for up to 50% of course requirements for relevant incomplete postgraduate qualifications.

(3) Candidates offered direct admission to the Master of International Relations may be eligible for a reduction in the volume of learning of up to 48 credit points, subject to the following:

(a) The maximum permissible reduction in the volume of learning is 24 credit points for bachelor's degree at level 7 of the Australian Qualifications Framework in the Social Sciences, Humanities or Law or as defined by the Faculty of Arts and Social Sciences.

(b) The maximum permissible reduction in the volume of learning is 48 credit points for a qualification at level 8 of the Australian Qualifications Framework in a discipline in the Social Sciences, Humanities or Law.

(c) The maximum permissible reduction in the volume of learning is 24 credit points for relevant professional work experience deemed by the Faculty of Arts and Social Sciences to have conferred a volume of learning equivalent to that of a Graduate Certificate in a relevant discipline.

(4) The maximum combined credit and reduction in the volume of learning for prior study granted to a candidate will not exceed 50% of the requirements of the course.

8 Course transfer

A candidate for the master's degree or graduate diploma may elect to discontinue study and graduate with a shorter award from this sequence, with the approval of the Dean, and provided the requirements of the shorter award have been met.

8 Transitional provisions

These resolutions apply to students who commenced their candidature after 1 January 2018.
Master of International Security
Graduate Diploma in International Security
Graduate Certificate in International Security

These resolutions must be read in conjunction with applicable University By-laws, Rules and policies including (but not limited to) the University of Sydney (Coursework) Rule 2014 (the 'Coursework Rule'), the Coursework Policy 2014, the Resolutions of the Faculty, the University of Sydney (Student Appeals against Academic Decisions) Rule 2006 (as amended), the Academic Honesty in Coursework Policy 2015 and the Academic Honesty Procedures 2016. Up to date versions of all such documents are available from the Policy Register: http://sydney.edu.au/policies.

Course resolutions

1 Course codes

<table>
<thead>
<tr>
<th>Code</th>
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<tbody>
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<td>MAINTSEC-02</td>
<td>Master of International Security</td>
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<tr>
<td>GNINTSTD-06</td>
<td>Graduate Diploma in International Security</td>
</tr>
<tr>
<td>GCINTSEC-02</td>
<td>Graduate Certificate in International Security</td>
</tr>
</tbody>
</table>

2 Attendance pattern
The attendance pattern for this course is full time or part time according to candidate choice.

3 Master's type
The master's degree in these resolutions is a professional master's course, as defined by the Coursework Policy.

4 Embedded courses in this sequence
(1) The embedded courses in this sequence are:
   (a) the Graduate Certificate of International Security
   (b) the Graduate Diploma in International Security
   (c) the Master in International Security

(2) Providing candidates satisfy the admission requirements for each stage, a candidate may progress to the award of any of the courses in this sequence. Only the longest award completed will be conferred.

5 Admission to candidature
(1) Available places will be offered to qualified applicants based on merit, according to the following admissions criteria. In exceptional circumstances the Dean may admit applicants without these qualifications but whose evidence of experience and achievement is deemed by the Dean to be equivalent.

(2) Admission to candidature for the Graduate Certificate in International Security requires a bachelor's degree from the University of Sydney, or an equivalent qualification.

(3) Admission to candidature for the Graduate Diploma in International Security requires:
   (a) a bachelor's degree from the University of Sydney with a minimum 60% average calculated over the whole degree with a major in the social sciences, or an equivalent qualification; or
   (b) completion of the Graduate Certificate in International Security with a minimum credit (65%) average, or an equivalent qualification.

(4) Admission to candidature for to the Master of International Security requires:
   (a) a bachelor's degree with a credit (65%) average calculated over the whole degree from the University of Sydney, or an equivalent qualification; or
   (b) completion of the requirements for the embedded Graduate Certificate or Graduate Diploma in International Security with a minimum credit (65%) average, or an equivalent qualification.

6 Requirements for award
(1) The units of study that may be taken for the course are set out in postgraduate table of units of study for the International Security subject area.

(2) To qualify for the award of the Graduate Certificate in International Security a candidate must complete 24 credit points, including:
   (a) 24 credit points of core units of study; and

(3) To qualify for the award of the Graduate Diploma in International Security a candidate must complete 48 credit points, including:
   (a) a minimum of 24 credit points of core units of study; and
   (b) a minimum of 12 credit points of selective elective units of study; and

(4) To qualify for the award of the Master of International Security a candidate must complete 96 credit points, including:
   (a) a minimum of 24 credit points of core units of study; and
   (b) a minimum of 18 credit points from selective elective units of study; and
   (c) a maximum of 48 credit points from elective units of study, which can include an optional specialisation as listed in the unit of study table. With the permission of the Degree Coordinator a maximum of 12 credit points can be taken as elective units from units of study outside those listed in the International Security subject area of the Postgraduate Unit of Study Table, including units of study offered by other faculties; and
   (d) a minimum of 6 credit points from capstone units of study.
Recognition of prior learning

1. Waivers and credit may be granted or the volume of learning may be reduced in recognition of prior learning.
2. Credit may be granted for up to 50% of course requirements for relevant incomplete postgraduate qualifications.
3. Candidates offered direct admission to the Master of International Security may be eligible for a reduction in the volume of learning of up to 48 credit points, subject to the following:
   a. The maximum permissible reduction in the volume of learning is 24 credit points for bachelor’s degree at level 7 of the Australian Qualifications Framework in the Social Sciences, Humanities or Law or as defined by the Faculty of Arts and Social Sciences.
   b. The maximum permissible reduction in the volume of learning is 48 credit points for a qualification at level 8 of the Australian Qualifications Framework in a discipline in the Social Sciences, Humanities or Law.
   c. The maximum permissible reduction in the volume of learning is 24 credit points for relevant professional work experience deemed by the Faculty of Arts and Social Sciences to have conferred a volume of learning equivalent to that of a Graduate Certificate in a relevant discipline.
4. The maximum combined credit and reduction in the volume of learning for prior study granted to a candidate will not exceed 50% of the requirements of the course.

Course transfer

A candidate for the master’s degree or graduate diploma may elect to discontinue study and graduate with a shorter award from this embedded sequence, with the approval of the Faculty, and provided the requirements of the shorter award have been met.

Transitional provisions

1. These resolutions apply to students who commenced their candidature after 1 January, 2018 and students who commenced their candidature prior to 1 January, 2018 who elect to proceed under these resolutions.
2. Candidates who commenced prior to 1 January, 2018 may complete the requirements in accordance with the resolutions in force at the time of their commencement, provided that requirements are completed by 1 January, 2023. The Faculty may specify a later date for completion or specify alternative requirements for completion of candidatures that extend beyond this time.
Graduate Diploma in Moving Image

Master of Moving Image

These resolutions must be read in conjunction with applicable University By-laws, Rules and policies including (but not limited to) the University of Sydney (Coursework) Rule 2014 (the ‘Coursework Rule’), the Coursework Policy 2014, the Resolutions of the Faculty, the University of Sydney (Student Appeals against Academic Decisions) Rule 2006 (as amended), the Academic Honesty in Coursework Policy 2015 and the Academic Honesty Procedures 2016. Up to date versions of all such documents are available from the Policy Register: http://sydney.edu.au/policies.

Course resolutions

1 Course codes

<table>
<thead>
<tr>
<th>Code</th>
<th>Course title</th>
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<tbody>
<tr>
<td>GNMOVIMG-01</td>
<td>Graduate Diploma in Moving Image</td>
</tr>
<tr>
<td>MAMOVIMG-01</td>
<td>Master of Moving Image</td>
</tr>
</tbody>
</table>

2 Attendance pattern

The attendance pattern for this course is full time or part time according to candidate choice.

3 Master's type

The master's degree in these resolutions is a professional master's course, as defined by the Coursework Policy 2014.

4 Embedded courses in this sequence

(1) The embedded courses in this sequence are:
(a) the Graduate Diploma in Moving Image
(b) the Master of Moving Image.

(2) Only the highest award completed will be conferred.

5 Admission to candidature

(1) Available places will be offered to qualified applicants in the order in which complete applications are received, according to the following admissions criteria.
(2) Admission to the Master of Moving Image requires:
(a) a bachelor’s degree or higher award in visual arts, from the University of Sydney, or a qualification deemed by the faculty to be equivalent; and
(b) the presentation of a portfolio of creative work demonstrating the ability to undertake advanced art practice and coursework.
(3) In exceptional circumstances the Dean may admit applicants without these qualifications who, in the opinion of the faculty, have qualifications and evidence of experience and achievement sufficient to successfully undertake the award.

6 Requirements for award

(1) To qualify for the award of the Graduate Diploma in Moving Image a candidate must complete 48 credit points, including:
(a) 30 credit points of core units of study;
(b) 18 credit points of elective units of study.
(2) To qualify for the award of the Master of Moving Image a candidate must complete 72 credit points, including:
(a) 30 credit points of core units of study;
(b) 6 credit points of capstone units of study;
(c) 6 credit points of selective core elective units of study;
(d) 30 credit points of elective units of study.
(3) Candidates may apply to the course coordinator to substitute six credit points of electives with any other postgraduate coursework unit of study in the University. Permission may also be required from the coordinator of the chosen unit.

7 Course transfer

A candidate for the master's degree may elect to discontinue study and graduate with a shorter award from this embedded sequence, with the approval of the Dean, and provided the requirements of the shorter award have been met.
Graduate Certificate in Museum and Heritage Studies
Graduate Diploma in Museum and Heritage Studies
Master of Museum and Heritage Studies

These resolutions must be read in conjunction with applicable University By-laws, Rules and policies including (but not limited to) the University of Sydney (Coursework) Rule 2014 (the ‘Coursework Rule’), the Coursework Policy 2014, the Resolutions of the Faculty, the University of Sydney (Student Appeals against Academic Decisions) Rule 2006 (as amended), the Academic Honesty in Coursework Policy 2015 and the Academic Honesty Procedures 2016. Up to date versions of all such documents are available from the Policy Register: http://sydney.edu.au/policies.

Course resolutions

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<th>Code</th>
<th>Course title</th>
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<tr>
<td>GCMHESTD-01</td>
<td>Graduate Certificate in Museum and Heritage Studies</td>
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<tr>
<td>GNMHESTD-01</td>
<td>Graduate Diploma in Museum and Heritage Studies</td>
</tr>
<tr>
<td>MMMHESTD-01</td>
<td>Master of Museum and Heritage Studies</td>
</tr>
</tbody>
</table>

2 Attendance pattern

The attendance pattern for these courses is full time or part time according to candidate choice.

3 Master's type

The master's degree in these resolutions is an advanced learning master's course, as defined by the Coursework Rule.

4 Embedded courses in this sequence

(1) The embedded courses in this sequence are:
   (a) the Graduate Certificate in Museum and Heritage Studies
   (b) the Graduate Diploma in Museum and Heritage Studies
   (c) the Master of Museum and Heritage Studies

(2) A candidate for the graduate certificate or graduate diploma may apply to progress to a longer course in this sequence, providing the candidate meets the admission requirements for that course. Only the longest award completed will be conferred.

5 Admission to candidature

(1) Available places will be offered to qualified applicants based on merit, according to the following admissions criteria. In exceptional circumstances the Dean may admit applicants without these qualifications but whose evidence of experience and achievement is deemed by the Dean to be equivalent.

(2) Admission to candidature for the Graduate Certificate in Museum and Heritage Studies requires:
   (a) a bachelor's degree with a major in Anthropology, Archaeology, Art History, Cultural Geography, Cultural Studies, Education, English, Gender Studies, History, Indigenous Studies or other major with equivalent skills and knowledge base; and a minimum 60% average calculated over the whole degree, from the University of Sydney, or an equivalent qualification; or
   (b) completion of the Graduate Certificate in Museum and Heritage Studies with a minimum credit (65%) average, or an equivalent qualification.

(3) Admission to candidature for the Graduate Diploma in Museum and Heritage Studies requires:
   (a) a bachelor's degree with a major in Anthropology, Archaeology, Art History, Cultural Geography, Cultural Studies, Education, English, Gender Studies, History, Indigenous Studies or other major with equivalent skills and knowledge base; and a minimum 60% average calculated over the whole degree, from the University of Sydney, or an equivalent qualification; or
   (b) completion of the requirements for the embedded Graduate Certificate or Graduate Diploma in Museum and Heritage Studies with a minimum credit (65%) average, or an equivalent qualification.

6 Requirements for award

(1) The units of study that may be taken for these courses are set out in the Postgraduate Table of Units of Study for the Museum and Heritage Studies subject area.

(2) Candidates for the Graduate Certificate in Museum and Heritage Studies are required to complete 24 credit points, including:
   (a) a minimum of 6 credit points of core units of study; and
   (b) a minimum of 6 credit points of selective core elective units of study; and

(3) Candidates for the Graduate Diploma in Museum and Heritage Studies are required to complete 48 credit points, including:
   (a) a minimum of 12 credit points of core units of study; and
   (b) a minimum of 18 credit points of selective core elective units of study; and
a maximum of 18 credit points from elective units of study. With the permission of the Degree Coordinator a maximum of 6 credit points can be taken as elective units from units of study outside those listed in the Museum and Heritage Studies subject area of the Postgraduate Unit of Study Table.

Candidates for the Master of Museum and Heritage Studies are required to complete 72 credit points including:
(a) a minimum of 24 credit points of core units of study; and
(b) a minimum of 18 credit points of elective units of study; and
(c) a maximum of 24 credit points of elective units of study. With the permission of the Degree Coordinator a maximum of 12 credit points of elective units can be taken from units of study outside those listed in the Museum and Heritage Studies subject area of the Postgraduate Unit of Study Table, including a maximum of 12 credit points from units of study offered by other faculties.
(d) at least 6 credit points of capstone units of study.

7 Recognition of Prior Learning
(1) Waivers and credit may be granted or the volume of learning may be reduced in recognition of prior learning.
(2) Credit may be granted for up to 50% of course requirements for relevant incomplete postgraduate qualifications.
(3) Candidates offered direct admission to the Master of Museum and Heritage Studies may be eligible for a reduction in the volume of learning of up to 24 credit points, subject to the following:
(a) The maximum permissible reduction in the volume of learning is 24 credit points for a qualification at level 8 of the Australian Qualifications Framework in a relevant discipline as defined by the Faculty of Arts and Social Sciences.
(b) The maximum permissible reduction in the volume of learning is 24 credit points for relevant professional work experience deemed by the Faculty of Arts and Social Sciences to have conferred a volume of learning equivalent to that of a Graduate Certificate in a relevant discipline.
(4) The maximum combined credit and reduction in the volume of learning for prior study granted to a candidate will not exceed 50% of the requirements of the course.

8 Course transfer
A candidate for the master's degree or graduate diploma may elect to discontinue study and graduate with a shorter award from this sequence, with the approval of the Dean, and provided the requirements of the shorter award have been met.

9 Transitional provisions
(1) These resolutions apply to students who commenced their candidature after 1 January 2016.
Graduate Certificate in Peace and Conflict Studies
Graduate Diploma in Peace and Conflict Studies
Master of Peace and Conflict Studies

These resolutions must be read in conjunction with applicable University By-laws, Rules and policies including (but not limited to) the University of Sydney (Coursework) Rule 2014 (the 'Coursework Rule'), the Coursework Policy 2014, the Resolutions of the Faculty, the University of Sydney (Student Appeals against Academic Decisions) Rule 2006 (as amended), the Academic Honesty in Coursework Policy 2015 and the Academic Honesty Procedures 2016. Up to date versions of all such documents are available from the Policy Register: http://sydney.edu.au/policies.

Course Resolutions

1 Course codes

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<thead>
<tr>
<th>Code</th>
<th>Course title</th>
</tr>
</thead>
<tbody>
<tr>
<td>GCPECOST-01</td>
<td>Graduate Certificate in Peace and Conflict Studies</td>
</tr>
<tr>
<td>GNPECOST-01</td>
<td>Graduate Diploma in Peace and Conflict Studies</td>
</tr>
<tr>
<td>MAPECOST-01</td>
<td>Master of Peace and Conflict Studies</td>
</tr>
</tbody>
</table>

2 Attendance pattern

The attendance pattern for these courses is full time or part time according to candidate choice. Some units of study are offered by distance education.

3 Master's type

The master's degree in these resolutions is an advanced learning master's course, as defined by the Coursework Rule.

4 Embedded courses in this sequence

(1) The embedded courses in this sequence are:
(a) the Graduate Certificate in Peace and Conflict Studies
(b) the Graduate Diploma in Peace and Conflict Studies
(c) the Master of Peace and Conflict Studies

(2) A candidate for the graduate certificate or graduate diploma may apply to progress to a longer course in this sequence, providing the candidate meets the admission requirements for that course. Only the longest award completed will be conferred.

5 Admission to candidature

(1) Available places will be offered to qualified applicants based on merit, according to the following admissions criteria. In exceptional circumstances the Dean may admit applicants without these qualifications but whose evidence of experience and achievement is deemed by the Dean to be equivalent.

(2) Admission to candidature for the Graduate Certificate in Peace and Conflict Studies requires:
(a) a bachelor's degree from the University of Sydney, with a major in the humanities or social sciences, or an equivalent qualification:

(b) relevant, recent professional qualifications and experience may be assessed as suitable for admission by the Dean under the provision for exceptional circumstances outlined in the Coursework Rule.

(3) Admission to candidature for the Graduate Diploma in Peace and Conflict Studies requires:
(a) a bachelor's degree with a minimum 60 per cent average calculated over the whole degree, from the University of Sydney, with a major in the humanities or social sciences, or an equivalent qualification;

(b) completion of the Graduate Certificate in Peace and Conflict Studies with a minimum credit (65 percent) average, or an equivalent qualification.

(4) Admission to candidature for the Master of Peace and Conflict Studies requires:
(a) a bachelor's degree with a minimum credit (65%) average calculated over the whole degree, from the University of Sydney, with a major in the humanities or social sciences, or an equivalent qualification;

(b) completion of the requirements for the embedded Graduate Certificate or Graduate Diploma in Peace and Conflict Studies with a minimum credit (65%) average, or an equivalent qualification.

6 Requirements for award

(1) The units of study that may be taken for these courses are set out in the Postgraduate Table of Units of Study for the Peace and Conflict Studies subject area.

(2) Candidates for the Graduate Certificate in Peace and Conflict Studies are required to complete 24 credit points, including:
(a) a minimum of 12 credit points of core or capstone units of study; and
(b) a maximum of 12 credit points from selective core-elective units of study.

(3) Candidates for the Graduate Diploma in Peace and Conflict Studies are required to complete 48 credit points, including:
(a) a minimum of 18 credit points of core or capstone units of study; and
(b) a minimum of 18 credit points from selective core-elective units of study; and

(c) a maximum of 12 credit points from elective units of study. With the permission of the Degree Coordinator a maximum of 12 credit points of elective units can be taken from units of study outside those listed in the Peace and Conflict Studies subject area of the Postgraduate Unit of Study Table, including a maximum of 6 credit points from units of study offered by other faculties.
Candidates for the Master of Peace and Conflict Studies are required to complete 72 credit points including:

(a) a minimum of 18 credit points of core units of study; and
(b) a minimum of 18 credit points from selective core electives; and
(c) a maximum of 24 credit points from elective units of study, which can include an optional specialisation as listed in the unit of study table. With the permission of the Degree Coordinator a maximum of 12 credit points of elective units can be taken from units of study outside those listed in the Peace and Conflict Studies subject area of the Postgraduate Unit of Study Table, including a maximum of 6 credit points from units of study offered by other faculties.

(d) 6 credit points from capstone units of study

Recognition of Prior Learning

(1) Waivers and reductions in the volume of learning may be granted or the volume of learning may be reduced in recognition of prior learning.

(2) Credit may be granted for up to 50 per cent of course requirements for relevant incomplete postgraduate qualifications.

(3) Candidates offered direct admission to the Master of Peace and Conflict Studies may be eligible for a reduction in the volume of learning of up to 24 credit points, subject to the following:
   (a) The maximum permissible reduction in the volume of learning is 24 credit points for a qualification at level 8 of the Australian Qualifications Framework in a relevant discipline as defined by the Faculty of Arts and Social Sciences.
   (b) The maximum permissible reduction in the volume of learning is 24 credit points for relevant professional work experience deemed by the Faculty of Arts and Social Sciences to have conferred a volume of learning equivalent to that of a Graduate Certificate in a relevant discipline.

(4) The maximum combined waiver and reduction in the volume of learning for prior study granted to a candidate will not exceed 50 percent of the requirements of the course.

Course transfer

A candidate for the master’s degree or graduate diploma may elect to discontinue study and graduate with a shorter award from this sequence, with the approval of the Dean, and provided the requirements of the shorter award have been met.

Transitional provisions

(1) These resolutions apply to students who commenced their candidature after 1 January 2015.

(2) Candidates who commenced prior to 1 January 2015 will complete the requirements in accordance with the resolutions in force at the time of their commencement, provided that requirements are completed by 1 January 2019. The Faculty may specify a later date for completion or specify alternative requirements for completion of candidatures that extend beyond this time.
Graduate Certificate in Political Economy
Graduate Diploma in Political Economy
Master of Political Economy

These resolutions must be read in conjunction with applicable University By-laws, Rules and policies including (but not limited to) the University of Sydney (Coursework) Rule 2014 (the 'Coursework Rule'), the Coursework Policy 2014, the Resolutions of the Faculty, the University of Sydney (Student Appeals against Academic Decisions) Rule 2006 (as amended), the Academic Honesty in Coursework Policy 2015 and the Academic Honesty Procedures 2016. Up to date versions of all such documents are available from the Policy Register: http://sydney.edu.au/policies.

Course Resolutions

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<tr>
<td>GCPOLECN-01</td>
<td>Graduate Certificate in Political Economy</td>
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<tr>
<td>GNPOLECN-01</td>
<td>Graduate Diploma in Political Economy</td>
</tr>
<tr>
<td>MAPOLECN-01</td>
<td>Master of Political Economy</td>
</tr>
</tbody>
</table>

2 Attendance pattern
The attendance pattern for these courses is full time or part time according to candidate choice.

3 Master's type
The master's degree in these resolutions is an advanced learning master's course, as defined by the Coursework Policy.

4 Embedded courses in this sequence
(1) The embedded courses in this sequence are:
   (a) the Graduate Certificate in Political Economy
   (b) the Graduate Diploma in Political Economy
   (c) the Master of Political Economy

(2) A candidate for the graduate certificate or graduate diploma may apply to progress to a longer course in this sequence, providing the candidate meets the admission requirements for that course. Only the longest award completed will be conferred.

5 Admission to candidature
(1) Available places will be offered to qualified applicants based on merit, according to the following admissions criteria. In exceptional circumstances the Dean may admit applicants without these qualifications but whose evidence of experience and achievement is deemed by the Dean to be equivalent.

(2) Admission to candidature for the Graduate Certificate in Political Economy requires:
   (a) a bachelor's degree from the University of Sydney, or an equivalent qualification

(3) Admission to candidature for the Graduate Diploma in Political Economy requires:
   (a) a bachelor's degree with a minimum 60 percent average calculated over the whole degree, from the University of Sydney, including a major in the Social Sciences, or an equivalent qualification; or
   (b) completion of the Graduate Certificate in Political Economy with a minimum credit (65 percent) average, or an equivalent qualification.

(4) Admission to candidature for the Master of Political Economy requires:
   (a) a bachelor's degree with a minimum credit (65 percent) average calculated over the whole degree, from the University of Sydney, including a major in the Social Sciences, or an equivalent qualification; or
   (b) completion of the requirements for the embedded Graduate Certificate or Graduate Diploma in Political Economy with a minimum credit (65 percent) average, or an equivalent qualification.

6 Requirements for award
(1) The units of study that may be taken for these courses are set out in the Postgraduate Table of Units of Study for the Political Economy subject area.

(2) Candidates for the Graduate Certificate in Political Economy are required to complete 24 credit points, including:
   (a) a minimum of 6 credit points of core unit of study; and

(3) Candidates for the Graduate Diploma in Political Economy are required to complete 48 credit points, including:
   (a) a minimum of 12 credit points of core units of study; and
   (b) a minimum of 12 credit points from selective core/elective units of study; and

(4) Candidates for the Master of Political Economy are required to complete 72 credit points, including:
   (a) a minimum of 18 credit points of core units of study; and
   (b) a minimum of 18 credit points from selective core/elective units of study; and
   (c) a maximum of 24 credit points from elective units of study. With the permission of the Degree Coordinator a maximum of 12 credit points can be taken as elective units from units of study outside those listed in the Political Economy subject area of the Postgraduate Unit of Study Table, including units of study offered by other faculties;
   (d) a minimum of 6 credit points of capstone units of study; and
an optional specialisation as listed in the unit of study table.

7 Cross-institutional study

Cross-institutional study is not permitted in the Graduate Certificate in Political Economy.

8 Recognition of Prior Learning

(1) Waivers and reductions in the volume of learning may be granted or the volume of learning may be reduced in recognition of prior learning.
(2) Credit may be granted for up to 50 percent of course requirements for relevant incomplete postgraduate qualifications.
(3) Candidates offered direct admission to the Master of Political Economy may be eligible for a reduction in the volume of learning of up to 24 credit points, subject to the following:
   (a) The maximum permissible reduction in the volume of learning is 24 credit points for a qualification at level 8 of the Australian Qualifications Framework in a relevant discipline as defined by the Faculty of Arts and Social Sciences.
   (b) The maximum permissible reduction in the volume of learning is 24 credit points for relevant professional work experience deemed by the Faculty of Arts and Social Sciences to have conferred a volume of learning equivalent to that of a Graduate Certificate in a relevant discipline.
(4) The maximum combined waiver and reduction in the volume of learning for prior study granted to a candidate will not exceed 50 percent of the requirements of the course.

9 Course transfer

A candidate for the master's degree or graduate diploma may elect to discontinue study and graduate with a shorter award from this sequence, with the approval of the Dean, and provided the requirements of the shorter award have been met.

10 Transitional provisions

(1) These resolutions apply to students who commenced their candidature after 1 January 2018.
(2) Candidates who commenced prior to 1 January 2018 will complete the requirements in accordance with the resolutions in force at the time of their commencement, provided that requirements are completed by 1 January 2023. The Faculty may specify a later date for completion or specify alternative requirements for completion of candidatures that extend beyond this time.
Graduate Certificate in Public Policy
Graduate Diploma in Public Policy
Master of Public Policy

These resolutions must be read in conjunction with applicable University By-laws, Rules and policies including (but not limited to) the University of Sydney (Coursework) Rule 2014 (the 'Coursework Rule'), the Coursework Policy 2014, the Resolutions of the Faculty, the University of Sydney (Student Appeals against Academic Decisions) Rule 2006 (as amended), the Academic Honesty in Coursework Policy 2015 and the Academic Honesty Procedures 2016. Up to date versions of all such documents are available from the Policy Register: http://sydney.edu.au/policies.

Course resolutions

1. Course codes

<table>
<thead>
<tr>
<th>Code</th>
<th>Course title</th>
</tr>
</thead>
<tbody>
<tr>
<td>GCPUBPOL-02</td>
<td>Graduate Certificate in Public Policy</td>
</tr>
<tr>
<td>GNPUBPOL-02</td>
<td>Graduate Diploma in Public Policy</td>
</tr>
<tr>
<td>MAPUBPOL-04</td>
<td>Master of Public Policy</td>
</tr>
</tbody>
</table>

2. Attendance pattern

The attendance pattern for these courses is full time or part time according to candidate choice.

3. Master's type

The master's degree in these resolutions is an advanced learning master's course, as defined by the Coursework Policy.

4. Embedded courses in this sequence

(1) The embedded courses in this sequence are:
(a) the Graduate Certificate in Public Policy
(b) the Graduate Diploma in Public Policy
(c) the Master of Public Policy

(2) A candidate for the graduate certificate or graduate diploma may apply to progress to a longer course in this sequence, providing the candidate meets the admission requirements for that course. Only the longest award completed will be conferred.

5. Admission to candidature

(1) Available places will be offered to qualified applicants based on merit, according to the following admissions criteria. In exceptional circumstances the Dean may admit applicants without these qualifications but whose evidence of experience and achievement is deemed by the Dean to be equivalent.

(2) Admission to candidature for the Graduate Certificate in Public Policy requires a bachelor's degree with a major in social sciences from the University of Sydney, or an equivalent qualification.

(3) Admission to candidature for the Graduate Diploma in Public Policy requires:
(a) a bachelor's degree with a minimum 60% average calculated over the whole degree with a major in social sciences, from the University of Sydney, or an equivalent qualification; or
(b) completion of the Graduate Certificate in Public Policy with a minimum credit (65%) average, or an equivalent qualification.

(4) Admission to candidature for the Master of Public Policy requires:
(a) a bachelor's degree with a minimum credit (65%) average calculated over the whole degree, from the University of Sydney, or an equivalent qualification; or
(b) completion of the requirements for the embedded Graduate Certificate or Graduate Diploma in Public Policy with a minimum credit (65%) average, or an equivalent qualification.

6. Requirements for award

(1) The units of study that may be taken for these courses are set out in the Postgraduate Table of Units of Study for the Public Policy subject area.

(2) To qualify for the award of the Graduate Certificate in Public Policy a candidate must complete 24 credit points comprising:
(a) 12 credit points of core units of study; and
(b) 12 credit points from elective units of study.

(3) To qualify for the award of the Graduate Diploma in Public Policy a candidate must complete 48 credit points comprising:
(a) 12 credit points of core unit of study; and
(b) 24 credit points from selective core elective units of study and
(c) 12 credit points from elective units of study.

(4) To qualify for the award of the Master of Public Policy a candidate must complete 96 credit points comprising:
(a) a minimum of 12 credit points of core unit of study as specified; and
(b) a minimum of 30 credit points of selective core elective units of study; and
(c) a maximum of 48 credit points from elective units of study which can include an optional specialisation as listed in the unit of study table. With the permission of the Degree Coordinator a maximum of 12 credit points can be taken as elective units from units of study outside those listed in the Public Policy subject area of the Postgraduate Unit of Study Table, including units of study offered by other faculties; and
(d) a minimum of 6 credit points from capstone units of study.

7 Recognition of Prior Learning

(1) Waivers and credit may be granted or the volume of learning may be reduced in recognition of prior learning.
(2) Credit may be granted for up to 50% of course requirements for relevant incomplete postgraduate qualifications.
(3) Candidates offered direct admission to the Master of Public Policy may be eligible for a reduction in the volume of learning of up to 48 credit points, subject to the following:
   (a) The maximum permissible reduction in the volume of learning is 24 credit points for bachelor's degree at level 7 of the Australian Qualifications Framework in the Social Sciences, Humanities or Law or as defined by the Faculty of Arts and Social Sciences.
   (b) The maximum permissible reduction in the volume of learning is 48 credit points for a qualification at level 8 of the Australian Qualifications Framework in a discipline in the Social Sciences, Humanities or Law.
   (c) The maximum permissible reduction in the volume of learning is 24 credit points for relevant professional work experience deemed by the Faculty of Arts and Social Sciences to have conferred a volume of learning equivalent to that of a Graduate Certificate in a relevant discipline.
(4) The maximum combined credit and reduction in the volume of learning for prior study granted to a candidate will not exceed 50% of the requirements of the course.

8 Course transfer

A candidate for the master's degree or graduate diploma may elect to discontinue study and graduate with a shorter award from this sequence, with the approval of the Dean, and provided the requirements of the shorter award have been met.

9 Transitional provisions

(1) These resolutions apply to students who commenced their candidature after 1 January 2018.
(2) Candidates who commenced prior to 1 January 2018 will complete the requirements in accordance with the resolutions in force at the time of their commencement, provided that requirements are completed by 1 January 2023. The Faculty may specify a later date for completion or specify alternative requirements for completion of candidatures that extend beyond this time.
Author
Gregg Suaning, Head of School, Biomedical Engineering

Reviewer/Approver
David Lowe, Associate Dean (Education), Faculty of Engineering and Information Technologies

Paper title
Introduction of new Biomedical Engineering unit code BMET9921

Purpose
In plain language, provide the purpose of the submission (do not use acronyms, abbreviations or technical language). Content should be 1-2 sentences in length.

To amend the Unit of Study Table for the Master of Professional Engineering, Master of Professional Engineering (Accelerated) and the Master of Engineering Biomedical streams to replace BMET5921 Biomedical Engineering Technology 2 with new code BMET9921.

RECOMMENDATION

That the Graduate Studies Committee recommend that Academic Board:

1) approve the proposal from the Faculty of Engineering and Information Technologies to amend the Master of Professional Engineering, Master of Professional Engineering (Accelerated) and Master of Engineering; and

2) approve the amendment to the table of Units of Study arising from the proposals, with effect from 1 January 2020.

EXECUTIVE SUMMARY

It is proposed to change the unit code from BMET5921 Biomedical Engineering Technology 2 to BMET9921 (ie, new unit). This is a core unit for the MPE(Biomedical) and a specialist unit in the ME(Biomedical).

The standard convention for units which have co-badged undergraduate and postgraduate versions is to use 9000-level codes for the postgraduate unit. BMET5921 is the co-badged version of BMET3921, now delivered at Westmead. The purpose of the code change is to achieve consistency and simplify the process of identifying co-badged units.

ATTACHMENTS

Attachment 1: Minor Course Amendment proposal – Biomedical Engineering
Minor Course Amendment Proposal

Faculty: Engineering & IT

Contact person: Professor Gregg Suaning (x17143), Christine Lacey (x40678)

1. Name of award course
Master of Engineering (Biomedical)
Master of Professional Engineering (Biomedical)
Master of Professional Engineering (Accelerated) (Biomedical)

2. Purpose of proposal
It is proposed to change the unit code from BMET5921 Biomedical Engineering Technology 2 to BMET9921 (ie, new unit). This is a core unit for the MPE(Biomedical) and a specialist unit in the ME(Biomedical).

The standard convention for units which have co-badged undergraduate and postgraduate versions is to use 9000-level codes for the postgraduate unit. BMET5921 is the co-badged version of BMET3921, now delivered at Westmead. The purpose of the code change is to achieve consistency and simplify the process of identifying co-badged units.

3. Details of amendment
Appendix 1: Master of Engineering (Biomedical) handbook table
Appendix 2: Master of Professional Engineering (Biomedical) handbook table
Appendix 3: Master of Professional Engineering (Accelerated) (Biomedical) handbook table

4. Transitional arrangements
Nil. BMET5921 will be discontinued and marked as ‘not in use’, replaced in Sydney Student by BMET9921.

5. Other relevant information
Nil

6. Signature of Dean

[Signature]
15/4/19
### Master of Engineering majoring in Biomedical Engineering

#### Core units

Candidates must complete 24 credit points of Core units. Where Reduced Volume Learning has been granted, candidates must complete a minimum of 12 credit points of Core units.

<table>
<thead>
<tr>
<th>Unit of study</th>
<th>Credit points</th>
<th>A: Assumed knowledge</th>
<th>P: Prerequisites</th>
<th>C: Corequisites</th>
<th>N: Prohibition</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGGS5102 Entrepreneurship for Engineers</td>
<td>6</td>
<td>A Some limited industry experience is preferred but not essential.</td>
<td>N ELEC5701</td>
<td></td>
<td></td>
<td>Semester 1</td>
</tr>
<tr>
<td>BMET9990 Orthopaedic and Surgical Engineering</td>
<td>6</td>
<td>A Basic concepts in engineering mechanics - statics, dynamics, and solid mechanics. Basic concepts in materials science, specifically with regard to types of materials and the relation between properties and microstructure. A basic understanding of human biology and anatomy. P (AMME2302 OR AMME9302 OR AMME1362) AND (MECH2901 OR BMET2901 OR AMME9901 OR BMET9901) AND (MECH3921 OR BMET3921 OR AMME5921 OR BMET5921 OR BMET9921) OR AMME9901 OR BMET9901 OR MECH4902 OR MECH9907</td>
<td>N MECH9901 OR MECH9907</td>
<td>Semester 2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BMET9992 Biomedical Engineering Technology 2</td>
<td>6</td>
<td>A 1000-level biology, 1000-level materials science and some engineering design</td>
<td>N MECH9901 OR BMET9901 OR AMME5921</td>
<td></td>
<td></td>
<td>Semester 2</td>
</tr>
<tr>
<td>BMET9993 Nanomaterials in Medicine</td>
<td>6</td>
<td>A ([(BIOL1xxx OR MBLG1xxx) AND CHEM1xxx AND PHYS1xxx] OR [(AMME1961 OR BMET1961) AND (MECH2901 OR BMET2901)]) AND (NANO2xxx OR AMME1362)</td>
<td>N AMME5921</td>
<td></td>
<td></td>
<td>Semester 1</td>
</tr>
<tr>
<td>BMET9994 Fundamentals of Neuromodulation</td>
<td>6</td>
<td>A ELECT1103 or equivalent, (MECH2901 OR BMET2901 OR AMME9901 OR BMET9901), and (MECH3921 or BMET3921 or AMME5921 or BMET5921)</td>
<td>N MECH9901 OR MECH9907</td>
<td></td>
<td></td>
<td>Semester 2</td>
</tr>
<tr>
<td>BMET9995 Nanotechnology in Biomedical Engineering</td>
<td>6</td>
<td>P (MECH9921 OR BMET9921 OR AMME5921 OR BMET9921 OR BMET9921 OR BMET9921)</td>
<td>N AMME5958</td>
<td></td>
<td></td>
<td>Semester 2</td>
</tr>
<tr>
<td>BMET9996 Introduction to Mechanobiology</td>
<td>6</td>
<td>A 6 credit points of 1000-level biology, 6 credit points of 1000-level chemistry and 6 credit points of 2000-level physiology or equivalent</td>
<td>N AMME5962</td>
<td></td>
<td></td>
<td>Semester 2</td>
</tr>
<tr>
<td>BMET9997 Regulatory Affairs in the Medical Industry</td>
<td>6</td>
<td>A 6cp of 1000-level Chemistry, and 6cp of Biology units</td>
<td>N AMME4992 OR AMME5992</td>
<td></td>
<td></td>
<td>Semester 2</td>
</tr>
<tr>
<td>BMET9998 Advanced Bionics</td>
<td>6</td>
<td>P AMME5921 OR BMET5921 OR BMET9921 OR MECH9921 OR BMET9921 OR BMET9921 OR AMME5958</td>
<td>N AMME5995</td>
<td></td>
<td></td>
<td>Semester 1</td>
</tr>
<tr>
<td>BMET9999 Biomechanics and Biomaterials</td>
<td>6</td>
<td>A AMME9901 or BMET9901 or 6 credit points of junior biology, 6 credit points of junior chemistry, 6 credit points of junior materials science, 6 credit points of engineering design, Chemistry, biology, materials engineering, and engineering design at least at the Junior level. N AMME5961 OR AMME9961 OR MECH4961 OR BMET4961</td>
<td>N AMME5961 OR AMME9961 OR MECH4961 OR BMET4961</td>
<td></td>
<td></td>
<td>Semester 2</td>
</tr>
<tr>
<td>BMET9996 Biomechanics and Biomaterials</td>
<td>6</td>
<td>A AMME9901 or BMET9901 or 6 credit points of 1000-level biology and 6 credit points of 1000-level chemistry</td>
<td>P MECH9921 OR BMET9921 OR AMME5921 OR BMET5921 OR BMET9921</td>
<td></td>
<td></td>
<td>Semester 1</td>
</tr>
<tr>
<td>BMET9997 Tissue Engineering</td>
<td>6</td>
<td>A AMME9901 or BMET9901 or 6 credit points of 1000-level biology and 6 credit points of 1000-level chemistry</td>
<td>P MECH9921 OR BMET9921 OR AMME5921 OR BMET5921 OR BMET9921</td>
<td></td>
<td></td>
<td>Semester 1</td>
</tr>
<tr>
<td>BMET9998 Applied Biomedical Engineering</td>
<td>6</td>
<td>A AMME9901 or AMME9901 or AMME9901</td>
<td>N AMME4981 OR AMME5981 OR AMME9981</td>
<td></td>
<td></td>
<td>Semester 1</td>
</tr>
<tr>
<td>BMET9999 Biomedical Product Development</td>
<td>6</td>
<td>A 1000 level chemistry, 2000 level biology, and specific knowledge of cell biology at least at the1000 level, and preferably at the 2000 level. N AMME4990 OR BMET4990 OR AMME5990 OR AMME9990</td>
<td>N AMME4990 OR BMET4990 OR AMME5990 OR AMME9990</td>
<td></td>
<td></td>
<td>Semester 1</td>
</tr>
</tbody>
</table>

#### Specialist units

Candidates must complete 24 credit points of Specialist units, but may take additional units as Electives. Where Reduced Volume Learning has been granted, candidates must complete a minimum of 24 credit points of Specialist units. Exchange units may be taken as Specialist units with the approval of the Program Director.

- **BMET9907 Orthopaedic and Surgical Engineering**
- **BMET9992 Biomedical Engineering Technology 2**
- **BMET9993 Nanomaterials in Medicine**
- **BMET9994 Fundamentals of Neuromodulation**
- **BMET9995 Nanotechnology in Biomedical Engineering**
- **BMET9996 Introduction to Mechanobiology**
- **BMET9997 Regulatory Affairs in the Medical Industry**
- **BMET9998 Advanced Bionics**
- **BMET9999 Biomechanics and Biomaterials**
- **BMET9996 Biomechanics and Biomaterials**
- **BMET9997 Tissue Engineering**
- **BMET9998 Applied Biomedical Engineering**
- **BMET9999 Biomedical Product Development**

#### Session

- Semester 1
- Semester 2
- Intensive July
- Summer Main

### To qualify for the award of the Master of Engineering in this specialisation, a candidate must complete 72 credit points, including core and elective units of study as listed below.

Candidates with a Bachelor of Engineering Honours or equivalent in the relevant discipline, and who have reached the required level of academic achievement in their prior degree, may be eligible for a reduction in volume of learning up to 24 credit points.

### Core units

Candidates must complete 24 credit points of Core units. Where Reduced Volume Learning has been granted, candidates must complete a minimum of 12 credit points of Core units.

### Specialist units

Candidates must complete 24 credit points of Specialist units, but may take additional units as Electives. Where Reduced Volume Learning has been granted, candidates must complete a minimum of 24 credit points of Specialist units. Exchange units may be taken as Specialist units with the approval of the Program Director.
## Research units

All candidates are required to complete a minimum of 12 credit points from the following units:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Description</th>
<th>Credit Points</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMME5020</td>
<td>Capstone Project A</td>
<td>6</td>
<td>Semester 1</td>
</tr>
<tr>
<td>BMET5020</td>
<td>Capstone Project A</td>
<td>6</td>
<td>Semester 1</td>
</tr>
<tr>
<td>AMME5021</td>
<td>Capstone Project B</td>
<td>6</td>
<td>Semester 1</td>
</tr>
<tr>
<td>BMET5021</td>
<td>Capstone Project B</td>
<td>6</td>
<td>Semester 1</td>
</tr>
<tr>
<td>AMME5022</td>
<td>Capstone Project B Extended</td>
<td>12</td>
<td>Semester 1</td>
</tr>
<tr>
<td>BMET5022</td>
<td>Capstone Project B Extended</td>
<td>12</td>
<td>Semester 1</td>
</tr>
</tbody>
</table>

### AMME5020: Capstone Project A
- P 96 cp from MPE degree program or 48 cp from the MPE(Accel) program or 24 cp from the ME degree program (including any credit for previous study).
- N AMME5222 OR AMME5223 OR AMME5010 OR BMET5020 OR BMET5021 OR BMET5222 OR BMET5223 OR BMET5010 OR AMME5010

### BMET5020: Capstone Project A
- P 96 cp from MPE degree program or 48 cp from the MPE(Accel) program or 24 cp from the ME degree program (including any credit for previous study).
- N BMET5222 OR BMET5010 OR AMME5010 OR AMME5020 OR AMME5021 OR AMME5022 OR AMME5222 OR AMME5223 OR AMME5010

### AMME5021: Capstone Project B
- P 96 credit points from the MPE degree program or 48 cp from the MPE(Accel) program or 24 credit points from the ME degree program (including any credit for prior study)
- N AMME5022 OR AMME5222 OR AMME5010 OR BMET5020 OR BMET5021 OR BMET5022 OR BMET5222 OR BMET5223 OR BMET5010

### BMET5021: Capstone Project B
- P 96 credit points from the MPE degree program or 48 cp from the MPE(Accel) program or 24 credit points from the ME degree program (including any credit for previous study).
- N BMET5020 OR BMET5222 OR BMET5223 OR BMET5010 OR AMME5020 OR AMME5021 OR AMME5022 OR AMME5222 OR AMME5223 OR AMME5010

### AMME5022: Capstone Project B Extended
- P 24 credit points in the Master of Engineering and WAM >=70, or 96 credit points in the Master of Professional Engineering and WAM >=70 or 48cp from MPE(Accel) program and WAM >=70
- N AMME5021 OR AMME5222 OR AMME5223 OR BMET5020 OR BMET5021 OR BMET5022 OR BMET5222 OR BMET5223 OR BMET5010

### BMET5022: Capstone Project B Extended
- P 24 credit points in the Master of Engineering and WAM >=70, or 96 credit points in the Master of Professional Engineering and WAM >=70 or 48cp from MPE(Accel) program and WAM >=70
- N BMET5020 OR BMET5222 OR BMET5223 OR BMET5010 OR AMME5020 OR AMME5021 OR AMME5022 OR AMME5222 OR AMME5223 OR AMME5010

### AMME2522: Dissertation A
- P AMME5020 OR AMME5021 OR AMME5022 OR AMME5222 OR BMET5020 OR BMET5021 OR BMET5022 OR BMET5222 OR BMET5223 OR BMET5010
- N AMME5020 OR AMME5222 OR AMME5022 OR AMME5223 OR AMME5010

### BMET2522: Dissertation A
- P BMET5020 OR BMET5021 OR AMME5022 OR AMME5222 OR AMME5021 OR AMME5010
- N BMET5020 OR BMET5222 OR BMET5223 OR BMET5010

### AMME2523: Dissertation B
- P AMME5020 OR AMME5021 OR AMME5022 OR BMET5020 OR BMET5021 OR BMET5022 OR BMET5222 OR BMET5223 OR BMET5010
- N AMME5020 OR AMME5222 OR AMME5022 OR AMME5223 OR AMME5010

### BMET2523: Dissertation B
- P BMET5020 OR BMET5021 OR AMME5022 OR AMME5021 OR AMME5010
- N BMET5020 OR BMET5222 OR BMET5223 OR BMET5010

With permission from the Program Director students progressing with distinction (75%) average or higher results may replace AMME5020 BMET5020, AMME5021 BMET5021 and 12 credit points of electives with AMME5222 BMET5222 & AMME5223 BMET5232. Dissertation A & B.

A candidate who has been granted RVL and who is eligible to undertake the extended capstone project or dissertation may be granted exemption of up to 12 credit points of specialist units.

## Elective units

Candidates may complete a maximum of 12 credit points from the following units:

### AEROS301: Applied Finite Element Analysis
- P A BE in area of Aerospace Engineering or related Engineering field.
- P AER0360 or AERO360 or MECH3631 or MECH3631

### AMME5020: Computational Fluid Dynamics
- P A Partial differential equations; Finite difference methods; Taylor series; Basic fluid mechanics including pressure, velocity, boundary layers, separated and reCircularizing flows. Basic computer programming skills.
- Note: Department permission required for enrolment

### AMME5271: Computational Nanotechnology
- P A Understanding of basic principles of Newtonian mechanics, physics and chemistry, fluid mechanics and solid mechanics.
- Note: Department permission required for enrolment

### AMME5310: Engineering Tribology
- P (AMME2302 OR AMME9302) AND (AMME2301 OR AMME9301) AND (MECH261 OR MECH261 OR MECH261)
- Note: Department permission required for enrolment

### AMME5520: Advanced Control and Optimisation
- P AMME3500 OR AMME3501

### AMME5002: Computer Aided Manufacturing
- P A Computer Aided Drafting, Basic FEA principles and Solid Mechanics
- Note: Department permission required for enrolment

### AMME5912: Membrane Science
- P A It is assumed that students have a general knowledge of: (MATH1001 OR MATH1021) AND (MATH1003 OR MATH1023) AND (CHNG2820 OR MATH2330).

### CHNGS5603: Advanced Process Modelling and Simulation
- P A This course is for Master degree students and also is offered as an elective course for fourth year students. Some lectures may be given by a guest lecturer.

### CHNGS5605: Bio-Products: Laboratory to
- P A This course is for Master degree students and also is an elective course for fourth year students.

### Session
- Semester 1
- Semester 2
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites</th>
<th>Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGG5231</td>
<td>Engineering Graduate Exchange A</td>
<td>6</td>
<td>Intensive January/Intensive July</td>
<td></td>
</tr>
<tr>
<td>ENGG5232</td>
<td>Engineering Graduate Exchange B</td>
<td>6</td>
<td>Intensive January/Intensive July</td>
<td></td>
</tr>
<tr>
<td>MECH5304</td>
<td>Materials Failure</td>
<td>6</td>
<td>A Fundamental knowledge in materials science and engineering: 1) atomic and crystal structures 2) metallurgy 3) structure-property relationship 4) mechanics of engineering materials 5) solid mechanics P (MECH9361 OR MECH9361 or MECH8361 AND (MECH9362 or MECH8362 OR MECH3362) Semester 2</td>
<td></td>
</tr>
<tr>
<td>MECH5308</td>
<td>Smart Materials</td>
<td>6</td>
<td>A Fundamental knowledge in materials science and engineering: 1) atomic and crystal structures 2) metallurgy 3) structure-property relationship 4) mechanics of engineering materials 5) solid mechanics P (AMME9301 OR AMME2301) AND (AMME9302 OR AMME2302 OR AMME1362) Semester 2</td>
<td></td>
</tr>
<tr>
<td>MECH5310</td>
<td>Advanced Engineering Materials</td>
<td>6</td>
<td>P MECH3362 OR MECH9362 OR MECH8362 N MECH4310</td>
<td>Semester 1</td>
</tr>
<tr>
<td>MECH5311</td>
<td>Microscopy and Microanalysis of Materials</td>
<td>6</td>
<td>A AMME1362 OR CIVL2110</td>
<td>Semester 1</td>
</tr>
<tr>
<td>MECH5416</td>
<td>Advanced Design and Analysis</td>
<td>6</td>
<td>A ENGG1802 - Eng Mechanics, balance of forces and moments; AMME2301 - Mechanics of Solids, 2 and 3 dimensional stress and strain; AMME2500 - Engineering Dynamics – dynamic forces and moments; MECH2400 - Mechanical Design 1, approach to design problems and report writing, and preparation of engineering drawing; MECH3460 - Mechanical design 2, means of applying fatigue analysis to a wide range of machine components P (AMME2301 OR AMME9301) AND (AMME2500 OR AMME9500) AND (MECH2400 OR MECH9460) N MECH4460 Semester 1</td>
<td></td>
</tr>
<tr>
<td>MECH5720</td>
<td>Sensors and Signals</td>
<td>6</td>
<td>A Strong MATLAB skills</td>
<td>Semester 2</td>
</tr>
<tr>
<td>MTRX5700</td>
<td>Experimental Robotics</td>
<td>6</td>
<td>A Knowledge of statics and dynamics, rotation matrices, programming and some electronic and mechanical design experience is assumed. P (AMME3500 OR AMME9501 or AMME8501) AND MTRX3700 Semester 1</td>
<td></td>
</tr>
</tbody>
</table>
# Master of Professional Engineering (Biomedical)

<table>
<thead>
<tr>
<th>Unit of study</th>
<th>Credit points</th>
<th>A: Assumed knowledge</th>
<th>P: Prerequisites</th>
<th>C: Corequisites</th>
<th>N: Prohibition</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Core units</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Year One</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AMME9261 Fluid Mechanics 1</td>
<td>6</td>
<td>A Students are expected to be familiar with first year basic maths: integral calculus, differential calculus and linear algebra.</td>
<td>N AMME5200</td>
<td>Semester 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AMME9500 Engineering Dynamics</td>
<td>6</td>
<td>A University level Maths and Physics, especially covering the area of Mechanics, and familiarity with the MATLAB programming environment.</td>
<td>N AMME5000</td>
<td>Semester 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AMME9700 Instrumentation</td>
<td>6</td>
<td>A Programming Skills, 1st Year maths skills</td>
<td>N AMME5700</td>
<td>Semester 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENGG9801 Engineering Computing</td>
<td>6</td>
<td>N ENGG5801 OR ENGG1801</td>
<td></td>
<td>Semester 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AMME9262 Thermal Engineering 1</td>
<td>6</td>
<td>A Students are expected to be familiar with basic, first year, integral calculus, differential calculus and linear algebra.</td>
<td>N AMME5200</td>
<td>Semester 2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AMME9302 Materials 1</td>
<td>6</td>
<td>N AMME5302 OR CIVL5501</td>
<td></td>
<td>Semester 2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BMET9901 Anatomy and Physiology for Engineers</td>
<td>6</td>
<td>A 6cp minimum of Junior level Biology</td>
<td>N AMME5901 OR AMME9901 OR MECH2901 OR BMET2901</td>
<td>Semester 2</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Year Two</strong></td>
<td></td>
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</tr>
<tr>
<td>AMME9501 System Dynamics and Control</td>
<td>6</td>
<td>A AMME5500 OR AMME9500. Students are assumed to have a good background knowledge in ordinary differential equations, Laplace transform methods, linear algebra and mathematical modeling of mechanical systems.</td>
<td>P AMME9500</td>
<td>AMME9501</td>
<td>Semester 1</td>
<td></td>
</tr>
<tr>
<td>BMET9990 Biomedical Product Development</td>
<td>6</td>
<td>A 1000 level chemistry, 2000 level biology, and specific knowledge of cell biology at least at the1000 level, and preferably at the 2000 level.</td>
<td>N AMME4990 OR BMET4990 OR AMME5990 OR AMME9990</td>
<td>Semester 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MECH9261 Fluid Mechanics 2</td>
<td>6</td>
<td>A Linear Mathematics, Vector Calculus, Differential Equations and Fourier Series</td>
<td>P AMME9261 OR AMME9200</td>
<td>N MECH8261</td>
<td>Semester 1</td>
<td></td>
</tr>
<tr>
<td>MECH9362 Materials 2</td>
<td>6</td>
<td>A Mechanics of solids: statics, stress, strain</td>
<td>P (AMME9302 OR AMME5302) AND (AMME9301 OR AMME5301)</td>
<td>MECH8362</td>
<td>Semester 1</td>
<td></td>
</tr>
<tr>
<td>BMET9921 Biomedical Engineering-Technology 2</td>
<td>6</td>
<td>A 1000 level biology, 1000 level materials science and some engineering design</td>
<td>N AMME9921 OR BMET9921 OR AMME5921</td>
<td>Semester 2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BMET9921 Biomedical Engineering-Technology 2</td>
<td>6</td>
<td>A 1000 level biology, 1000 level materials science and some engineering design</td>
<td>N AMME9921 OR BMET9921 OR AMME5921</td>
<td>Semester 2</td>
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</tr>
<tr>
<td>ENGS5013 Safety Systems and Risk Analysis</td>
<td>6</td>
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<td>Semester 2</td>
<td></td>
</tr>
<tr>
<td>MECH9361 Mechanics of Solids 2</td>
<td>6</td>
<td>A Linear Mathematics, Vector Calculus, Differential Equations and Fourier Series</td>
<td>P AMME9301 OR AMME5301</td>
<td>N MECH8361</td>
<td>Semester 2</td>
<td></td>
</tr>
<tr>
<td><strong>Year Three</strong></td>
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</tr>
<tr>
<td>ENGS5217 Practical Experience</td>
<td>6</td>
<td>N ENGP1000 OR ENGP2000 OR ENGP3000 OR ENGG4000 OR CHNG5205 OR AMME5010 Students should have completed one year of their MPE program before enrolling in this unit.</td>
<td></td>
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<td>Intensive April</td>
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<td>August</td>
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<td>Intensive August</td>
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<td></td>
<td>Intensive December</td>
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<td></td>
<td>Intensive February</td>
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<td>Intensive January</td>
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<td>Intensive May</td>
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<td>Intensive November</td>
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<td>Intensive October</td>
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<td></td>
<td>Intensive September</td>
<td></td>
</tr>
<tr>
<td>BMET9961 Biomechanics and Biomaterials</td>
<td>6</td>
<td>A AMME9901 or BMET9901 or 6 credit points of junior biology, 6 credit points of junior chemistry, 6 credit points of junior materials science, 6 credit points of engineering design, Chemistry, biology, materials engineering, and engineering design at least at the Junior level.</td>
<td>N AMME5961 OR AMME9961 OR MECH4961 OR BMET4961</td>
<td>Semester 2</td>
<td></td>
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</tr>
</tbody>
</table>

Select 6 credit points from Biomedical recommended electives block.

---

**Intensive Investigation**

- **January**: Intensive January
- **February**: Intensive February
- **April**: Intensive April
- **June**: Intensive June
- **August**: Intensive August
- **September**: Intensive September
- **October**: Intensive October
- **November**: Intensive November
- **December**: Intensive December

---

**Appendix 2**

Graduate Studies Committee 19/03
30 April 2019
## Select at least 12 credit points from the Project or Research Pathway block.

Select up to 18 credit points from Biomedical recommended electives block.

<table>
<thead>
<tr>
<th>Elective units</th>
<th>Credit points</th>
<th>A: Assumed knowledge</th>
<th>P: Prerequisites</th>
<th>C: Corequisites</th>
<th>N: Prohibition</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>AERO3031 Applied Finite Element Analysis</td>
<td>6</td>
<td>A BE in area of Aerospace Engineering or related Engineering field.</td>
<td>P AERO3960 or AERO3960 or MECH3960 or MECH8960</td>
<td></td>
<td></td>
<td>Semester 1</td>
</tr>
<tr>
<td>AMME5202 Computational Fluid Dynamics</td>
<td>6</td>
<td>A Partial differential equations; Finite difference methods; Taylor series; Basic fluid mechanics including pressure, velocity, boundary layers, separated and recirculating flows. Basic computer programming skills. Note: Department permission required for enrolment</td>
<td>P (MECH9321 or BMET9321) OR MTRX9700 OR (AMME9521 OR BMET9521) OR BMET9921</td>
<td></td>
<td></td>
<td>Semester 1</td>
</tr>
<tr>
<td>AMME5271 Computational Nanotechnology</td>
<td>6</td>
<td>A Understanding of basic principles of Newtonian mechanics, physics and chemistry, fluid mechanics and solid mechanics. Note: Department permission required for enrolment</td>
<td></td>
<td></td>
<td></td>
<td>Semester 2</td>
</tr>
<tr>
<td>AMME5310 Engineering Tribology</td>
<td>6</td>
<td>A (AMME2302 OR AMME3902) AND (AMME2301 OR AMME3901) AND (MECH3260 OR MECH9260 or MECH8260)</td>
<td>P AMME3500 OR AMME9501 OR AMME8501</td>
<td></td>
<td></td>
<td>Semester 1</td>
</tr>
<tr>
<td>AMME5520 Advanced Control and Optimisation</td>
<td>6</td>
<td>A Strong understanding of feedback control systems, specifically in the area of system modelling and control design in the frequency domain.</td>
<td>P AMME3500 OR AMME9501 or AMME8501</td>
<td></td>
<td></td>
<td>Semester 1</td>
</tr>
<tr>
<td>AMME7930 Introduction to Biomechatronics</td>
<td>6</td>
<td>A Knowledge in mechanical and electronic engineering; adequate maths and applied maths skills; background knowledge of physics, chemistry and biology; Some programming capability: MATLAB, C, C++, software tools used by engineers including CAD and EDA packages.</td>
<td>P (MECH3921 OR BMET9321) OR MTRX3700 OR (AMME9521 OR BMET9521) OR BMET9921</td>
<td></td>
<td></td>
<td>Semester 2</td>
</tr>
<tr>
<td>AMME9502 Computer Aided Manufacturing</td>
<td>6</td>
<td>Note: Department permission required for enrolment</td>
<td></td>
<td></td>
<td></td>
<td>Semester 2</td>
</tr>
<tr>
<td>AMME9512 Crash Analysis and Design</td>
<td>6</td>
<td>A Computer Aided Drafting, Basic FEA principles and Solid Mechanics Note: Department permission required for enrolment</td>
<td></td>
<td></td>
<td></td>
<td>Semester 1</td>
</tr>
<tr>
<td>BMET5907 Orthopaedic and Surgical Engineering</td>
<td>6</td>
<td>A Basic concepts in engineering mechanics - statics, dynamics, and solid mechanics. Basic concepts in materials science, specifically with regard to types of materials and the relation between properties and microstructure. A basic understanding of human biology and anatomy. P (AMME2302 OR AMME9302 OR AMME1362) AND (MECH3260 OR MECH9260 or MECH8260) AND (AMME9521 OR AMME9521 OR BMET9521) OR BMET9921</td>
<td></td>
<td></td>
<td></td>
<td>Semester 2</td>
</tr>
<tr>
<td>BMET5931 Nanomaterials in Medicine</td>
<td>6</td>
<td>A [Biol1xxx OR MBGL1xxx AND CHEM1xxx AND PHYS1xxx] OR [AMME9861 OR BMET9861] AND (MECH9201 OR BMET9201)] AND (AMME9362 OR AMME9362 OR AMME9362 OR AMME9362)</td>
<td></td>
<td></td>
<td></td>
<td>Semester 1</td>
</tr>
<tr>
<td>BMET5951 Fundamentals of Neuromodulation</td>
<td>6</td>
<td>A ELECT103 or equivalent, (MECH901 OR BMET901 OR AMME9991 OR BMET9991), AND (MECH9321 or BMET9321 or AMME9521 or BMET9521)</td>
<td></td>
<td></td>
<td></td>
<td>Semester 1</td>
</tr>
<tr>
<td>BMET5958 Nanotechnology in Biomedical Engineering</td>
<td>6</td>
<td>P (MECH9321 OR BMET9321 OR AMME9521 OR BMET9521) OR BMET9921</td>
<td></td>
<td></td>
<td></td>
<td>Semester 2</td>
</tr>
<tr>
<td>BMET5962 Introduction to Mechanobiology</td>
<td>6</td>
<td>A 6 credit points of 1000-level biology, 6 credit points of 1000-level chemistry and 6 credit points of 1000-level physiology or equivalent</td>
<td>N AMME9562</td>
<td></td>
<td></td>
<td>Semester 2</td>
</tr>
<tr>
<td>BMET5992 Regulatory Affairs in the Medical Industry</td>
<td>6</td>
<td>A 6cp of 1000-level Chemistry, and 6cp of Biology units</td>
<td>P MECH9321 OR BMET9321 OR AMME9521 OR BMET9521 OR BMET9921</td>
<td></td>
<td></td>
<td>Semester 2</td>
</tr>
<tr>
<td>BMET5995 Advanced Bionics</td>
<td>6</td>
<td>P AMME9521 OR BMET9521 OR BMET9921 OR MECH9321 OR BMET9521</td>
<td></td>
<td></td>
<td></td>
<td>Semester 1</td>
</tr>
<tr>
<td>BMET9660 Biomanufacturing</td>
<td>6</td>
<td>N BMET3660 or AMME3660 or AMME8660</td>
<td></td>
<td></td>
<td></td>
<td>Semester 1</td>
</tr>
<tr>
<td>ENGG5011 Engineering Foundation Studies A</td>
<td>6</td>
<td>Note: Department permission required for enrolment</td>
<td></td>
<td></td>
<td></td>
<td>Intensive February</td>
</tr>
<tr>
<td>ENGG5022 Sustainable Design, Eng and Mgt</td>
<td>6</td>
<td>A General knowledge in science and calculus and understanding of basic principles of chemistry, physics and mechanics</td>
<td></td>
<td></td>
<td></td>
<td>Semester 1</td>
</tr>
<tr>
<td>ENGG5023 Quality Engineering and Management</td>
<td>6</td>
<td>A First degree in Engineering or a related discipline</td>
<td></td>
<td></td>
<td></td>
<td>Semester 2</td>
</tr>
<tr>
<td>MECH255 Air Conditioning and Refrigeration</td>
<td>6</td>
<td>A Students are expected to be familiar with the basic laws of thermodynamics, fluid mechanics and heat transfer</td>
<td>P MECH3260 OR MECH9260 or MECH8260</td>
<td></td>
<td></td>
<td>Semester 2</td>
</tr>
</tbody>
</table>
### Unit of study

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Points</th>
<th>A: Assumed Knowledge</th>
<th>P: Prerequisites</th>
<th>C: Corequisites</th>
<th>N: Prohibition</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>MECH5275</td>
<td>Renewable Energy</td>
<td>6</td>
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<tr>
<td>MECH5304</td>
<td>Materials Failure</td>
<td>6</td>
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</tr>
<tr>
<td>MECH5310</td>
<td>Advanced Engineering Materials</td>
<td>6</td>
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<tr>
<td>MECH5311</td>
<td>Microscopy and Microanalysis of Materials</td>
<td>6</td>
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<tr>
<td>MECH5416</td>
<td>Advanced Design and Analysis</td>
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<tr>
<td>MECH5720</td>
<td>Sensors and Signals</td>
<td>6</td>
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<tr>
<td>MTRX5700</td>
<td>Experimental Robotics</td>
<td>6</td>
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</tbody>
</table>

### Project units

All candidates are required to complete a minimum of 12 credit points of Project or Research units during the final year of study. Candidates achieving an average mark of 70% or higher over 48 credit points of units of study in the Year Two Table or equivalent are eligible for the Extended Capstone Project.

Extended Capstone Project candidates take Capstone Project units AMME5020 BMET5020 and AMME5022 BMET5022 (total 18 cp) in place of Capstone Project AMME5021 BMET5021 and 6 cp of elective units.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Points</th>
<th>A: Assumed Knowledge</th>
<th>P: Prerequisites</th>
<th>C: Corequisites</th>
<th>N: Prohibition</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMME5020</td>
<td>Capstone Project A</td>
<td>6</td>
<td>96 cp from MPE degree program or 48 cp from the MPE(Accel) program or 24 cp from the ME degree program (including any credit for previous study).</td>
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</tr>
<tr>
<td>AMME5021</td>
<td>Capstone Project B</td>
<td>6</td>
<td>96 credit points from the MPE degree program or 48 cp from the MPE(Accel) program or 24 cp from the ME degree program (including any credit for previous study).</td>
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</tr>
<tr>
<td>BMET5020</td>
<td>Capstone Project A</td>
<td>6</td>
<td>96 cp from MPE degree program or 48 cp from the MPE(Accel) program or 24 cp from the ME degree program (including any credit for previous study).</td>
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</tr>
<tr>
<td>BMET5021</td>
<td>Capstone Project B</td>
<td>6</td>
<td>96 credit points from the MPE degree program or 48 cp from the MPE(Accel) program or 24 cp from the ME degree program (including any credit for previous study).</td>
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</tr>
<tr>
<td>AMME5022</td>
<td>Capstone Project B Extended</td>
<td>12</td>
<td>96 credit points in the Master of Engineering and WAM &gt;=70 or 96 credit points in the Master of Professional Engineering and WAM &gt;=70</td>
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<tr>
<td>BMET5022</td>
<td>Capstone Project B Extended</td>
<td>12</td>
<td>96 credit points in the Master of Engineering and WAM &gt;=70 or 96 credit points in the Master of Professional Engineering and WAM &gt;=70</td>
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</tbody>
</table>

### Research pathway

Candidates achieving an average mark of 75% or higher over 48 credit points of units of study in the Year Two Table or equivalent are eligible for the Research Pathway.

Research pathway candidates take Dissertation units AMME5222 BMET5222 and AMME5223 BMET5223 (total 24 cp) in place of Capstone Project units and 12 cp of elective units.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Points</th>
<th>A: Assumed Knowledge</th>
<th>P: Prerequisites</th>
<th>C: Corequisites</th>
<th>N: Prohibition</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMME5022</td>
<td>Dissertation A</td>
<td>12</td>
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</tr>
<tr>
<td>BMET5022</td>
<td>Dissertation A</td>
<td>12</td>
<td></td>
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</tr>
</tbody>
</table>
### Major Industrial Project

Candidates undertaking the Major Industrial Project take AMME5010 BMET5010 in place of ENGG5217 Practical Experience, AMME5020/5021 BMET5020/5021 Capstone Project A & B and 12 credit points of Specialist Elective units of study.

<table>
<thead>
<tr>
<th>Unit of study</th>
<th>Credit points</th>
<th>A: Assumed knowledge</th>
<th>P: Prerequisites</th>
<th>C: Corequisites</th>
<th>N: Prohibition</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMME5010</td>
<td>24</td>
<td>Students must have a credit (&gt;65%) average in prior semester enrolment</td>
<td>N AMME5020 OR AMME5021 OR AMME5022 OR AMME5222 OR AMME5223 OR ENGG5217 OR BMET5020 OR BMET5021 OR BMET5022 OR BMET5222 OR BMET5223 OR BMET5010</td>
<td></td>
<td></td>
<td>Semester 1 Semester 2</td>
</tr>
<tr>
<td>BMET5010</td>
<td>24</td>
<td>Students must have a credit (&gt;65%) average in prior semester enrolment</td>
<td>N BMET5020 OR BMET5021 OR BMET5022 OR AMME5020 OR AMME5021 OR AMME5022 OR AMME5222 OR AMME5223 OR AMME5010</td>
<td></td>
<td></td>
<td>Semester 1 Semester 2</td>
</tr>
</tbody>
</table>

### Exchange units

Exchange units require the approval of the Program Director. With approval, up to 12 credit points of Exchange units may taken in place of other units, towards the requirements of the degree.

<table>
<thead>
<tr>
<th>Unit of study</th>
<th>Credit points</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGG5231 Engineering Graduate Exchange A</td>
<td>6</td>
<td>Intensive January Intensive July</td>
</tr>
<tr>
<td>ENGG5232 Engineering Graduate Exchange B</td>
<td>6</td>
<td>Intensive January Intensive July</td>
</tr>
</tbody>
</table>
## Master of Professional Engineering (Accelerated) (Biomedical)

### Core units

<table>
<thead>
<tr>
<th>Unit of study</th>
<th>Credit points</th>
<th>A: Assumed knowledge</th>
<th>P: Prerequisites</th>
<th>C: Corequisites</th>
<th>N: Prohibition</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMME5501 System Dynamics and Control</td>
<td>6</td>
<td>A AMME5500 or AMME9500. Students are assumed to have a good background knowledge in ordinary differential equations, Laplace transform methods, linear algebra and mathematical modeling of mechanical systems.</td>
<td>N AMME9501</td>
<td></td>
<td></td>
<td>Semester 1</td>
</tr>
<tr>
<td>BMET9990 Biomedical Product Development</td>
<td>6</td>
<td>A 1000 level chemistry, 2000 level biology, and specific knowledge of cell biology at least at the 1000 level, and preferably at the 2000 level.</td>
<td>N AMME4990 OR BMET4990 OR AMME5990 OR AMME9990</td>
<td></td>
<td></td>
<td>Semester 1</td>
</tr>
<tr>
<td>MECH9281 Fluid Mechanics 2</td>
<td>6</td>
<td>A Linear Mathematics, Vector Calculus, Differential Equations and Fourier Series</td>
<td>N MECH9261</td>
<td></td>
<td></td>
<td>Semester 1</td>
</tr>
<tr>
<td>MECH9362 Materials 2</td>
<td>6</td>
<td>A Mechanics of solids: statics, stress, strain</td>
<td>N MECH9362</td>
<td></td>
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<td>Semester 1</td>
</tr>
<tr>
<td>BMET9221 Biomedical Engineering Technology 2</td>
<td>6</td>
<td>A 1000-level biology, 1000-level materials science and some engineering design</td>
<td>N MECH9261 OR BMET9261 OR AMME9261</td>
<td></td>
<td></td>
<td>Semester 2</td>
</tr>
<tr>
<td>BMET9971 Tissue Engineering</td>
<td>6</td>
<td>A AMME9901 or BMET9901 or 6 credit points of junior biology, 6 credit points of junior chemistry, 6 credit points of junior mathematics, 6 credit points of engineering design, Chemistry, biology, materials engineering, and engineering design at least at the Junior level.</td>
<td>N AMME5961 OR AMME9961 OR MECH9611 OR BMET9611</td>
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<td></td>
<td>Semester 2</td>
</tr>
<tr>
<td>MECH9981 Applied Biomedical Engineering</td>
<td>6</td>
<td>A AMME9301 AND AMME9302 AND AMME9500 AND MECH9361</td>
<td>N AMME4981 OR BMET4981 OR AMME5981 OR AMME9811</td>
<td></td>
<td></td>
<td>Semester 1</td>
</tr>
<tr>
<td>ENGP5103 Safety Systems and Risk Analysis</td>
<td>6</td>
<td>A Linear Mathematics, Vector Calculus, Differential Equations and Fourier Series</td>
<td>N MECH9361</td>
<td></td>
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<td>Semester 2</td>
</tr>
<tr>
<td>BMET9961 Biomechanics and Biomaterials</td>
<td>6</td>
<td>A AMME9901 or BMET9901 or 6 credit points of junior biology, 6 credit points of junior chemistry, 6 credit points of junior mathematics, 6 credit points of engineering design, Chemistry, biology, materials engineering, and engineering design at least at the Junior level.</td>
<td>N AMME5961 OR AMME9961 OR MECH9611 OR BMET9611</td>
<td></td>
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<td>Semester 2</td>
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</table>

### Elective units

Candidates must complete 24 credit points from the following Biomedical elective units.

<table>
<thead>
<tr>
<th>Unit of study</th>
<th>Credit points</th>
<th>A: Assumed knowledge</th>
<th>P: Prerequisites</th>
<th>C: Corequisites</th>
<th>N: Prohibition</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>AERO3031 Applied Finite Element Analysis</td>
<td>6</td>
<td>A BE in area of Aerospace Engineering or related Engineering field.</td>
<td>P AERO9360 or AERO8360 or MECH9361 or MECH8361</td>
<td></td>
<td></td>
<td>Semester 1</td>
</tr>
<tr>
<td>AMME5202 Computational Fluid Dynamics</td>
<td>6</td>
<td>A Partial differential equations; Finite difference methods; Taylor series; Basic fluid mechanics including pressure, velocity, boundary layers, separated and re-circulating flows. Basic computer programming skills.</td>
<td>Note: Department permission required for enrolment</td>
<td></td>
<td></td>
<td>Semester 1</td>
</tr>
<tr>
<td>AMME5271 Computational Nanotechnology</td>
<td>6</td>
<td>A Understanding of basic principles of Newtonian mechanics, physics and chemistry, fluid mechanics and solid mechanics.</td>
<td>Note: Department permission required for enrolment</td>
<td></td>
<td></td>
<td>Semester 2</td>
</tr>
<tr>
<td>AMME5310 Engineering Tribology</td>
<td>6</td>
<td>A A knowledge of mechanical and electronic engineering; adequate maths and applied maths skills; background knowledge of physics, chemistry and biology; Some programming capability: MATLAB, C, C++, software tools used by engineers including CAD and EDA packages.</td>
<td>P AME3500 OR AME9501 OR AME8501</td>
<td></td>
<td></td>
<td>Semester 1</td>
</tr>
<tr>
<td>AMME5520 Advanced Control and Optimisation</td>
<td>6</td>
<td>A Strong understanding of feedback control systems, specifically in the area of system modelling and control design in the frequency domain.</td>
<td>P AMME3500 OR AMME9501 OR AME8501</td>
<td></td>
<td></td>
<td>Semester 1</td>
</tr>
<tr>
<td>AMME5790 Introduction to Biomechatronics</td>
<td>6</td>
<td>A Knowledge in mechanical and electronic engineering; adequate maths and applied maths skills; background knowledge of physics, chemistry and biology; Some programming capability: MATLAB, C, C++, software tools used by engineers including CAD and EDA packages.</td>
<td>P AME3500 OR AMME3500 OR (AMME9501 OR AME8501)</td>
<td></td>
<td></td>
<td>Semester 2</td>
</tr>
</tbody>
</table>
electronic and mechanical theory and applies this knowledge to a series of practical, albeit specialised biomimetic applications that will be encountered by Mechatronic Engineers who enter this broad field on graduation.

<table>
<thead>
<tr>
<th>Unit of study</th>
<th>Credit points</th>
<th>A: Assumed knowledge</th>
<th>P: Prerequisites</th>
<th>C: Corequisites</th>
<th>N: Prohibition</th>
<th>Session</th>
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<tr>
<td>AMME5902</td>
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<td>Note: Department permission required for enrolment</td>
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<td>Semester 2</td>
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<tr>
<td>Computer Aided Manufacturing</td>
<td></td>
<td>A Computer Aided Drafting, Basic FEA principles and Solid Mechanics</td>
<td>Note: Department permission required for enrolment</td>
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<tr>
<td>AMME5912</td>
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<td>Semester 1</td>
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<tr>
<td>Crash Analysis and Design</td>
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<tr>
<td>BMET5907</td>
<td>6</td>
<td>A Basic concepts in engineering mechanics - statics, dynamics, and solid mechanics, Basic concepts in materials science, specifically with regard to types of materials and the relation between properties and microstructure. A basic understanding of human biology and anatomy.</td>
<td>P (AMME2302 OR AMME3902 OR AMME1362) AND (MECH2901 OR BMET2901 OR AMME9901 OR BMET9901) AND (MECH3921 OR BMET3921 OR AMME5921 OR BMET5921 OR BMET9921)</td>
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<td>Semester 2</td>
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<tr>
<td>Orthopaedic and Surgical Engineering</td>
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<td>N MECH4902 OR MECH5907</td>
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<tr>
<td>BMET5931</td>
<td>6</td>
<td>[((BIOLOGY OR MBLG1XXX) OR CHEMISTRY) OR (AMME1961 OR BMET1962)] AND (NANO2XXX OR AMME1362)</td>
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<tr>
<td>Nanomaterials in Medicine</td>
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<td>N AMME5931</td>
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<tr>
<td>BMET5951</td>
<td>6</td>
<td>A ELEC1103 or equivalent, ([MECH2901 OR BMET2901 OR AMME9901 OR BMET9901], and (MECH3921 or BMET3921 or AMME5921 or BMET5921)</td>
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<td>Semester 1</td>
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<tr>
<td>Fundamentals of Neuroumodulation</td>
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<td>N AMME5951</td>
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<tr>
<td>BMET5958</td>
<td>6</td>
<td>P (MECH3921 OR BMET3921 OR AMME5921 OR BMET9921 OR (AMME5958 OR BMET3921)</td>
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<td>Semester 2</td>
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<tr>
<td>Nanotechnology in Biomedical Engineering</td>
<td></td>
<td>N AMME5958</td>
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<tr>
<td>BMET5962</td>
<td>6</td>
<td>A 6 credit points of 1000-level biology, 6 credit points of 1000-level chemistry and 6 credit points of 2000-level physiology or equivalent</td>
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<td>Semester 2</td>
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<tr>
<td>Introduction to Mechanobiology</td>
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<td>N AMME5962</td>
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<tr>
<td>BMET5992</td>
<td>6</td>
<td>A 6cp of 1000-level Chemistry, and 6cp of Biology units</td>
<td>P MECH921 OR BMET921 OR AMME921 OR BMET5921 OR BMET9921 OR AMME4992 OR AMME5992</td>
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<tr>
<td>Regulatory Affairs in the Medical Industry</td>
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<td>N AMME4992 OR AMME5992</td>
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<tr>
<td>BMET5995</td>
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<td>Semester 1</td>
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<tr>
<td>Advanced Bionics</td>
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<tr>
<td>BMET6966</td>
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<td>Semester 1</td>
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<tr>
<td>Biomating</td>
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<tr>
<td>ENGG5011</td>
<td>6</td>
<td>Note: Department permission required for enrolment</td>
<td></td>
<td></td>
<td></td>
<td>Intensive February</td>
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<tr>
<td>Engineering Foundation Studies A</td>
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<tr>
<td>ENGG5202</td>
<td>6</td>
<td>A General knowledge in science and calculus and understanding of basic principles of chemistry, physics and mechanics</td>
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<td>Semester 1</td>
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<tr>
<td>Sustainable Design, Eng and Mgt</td>
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<td>Semester 2</td>
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<tr>
<td>ENGG5203</td>
<td>6</td>
<td>A First degree in Engineering or a related discipline</td>
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<td>Semester 2</td>
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<tr>
<td>Quality Engineering and Management</td>
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<td>N AMME5203</td>
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<tr>
<td>MECH2255</td>
<td>6</td>
<td>A Students are expected to be familiar with the basic laws of thermodynamics, fluid mechanics and heat transfer</td>
<td>P MECH2926 OR MECH8260 OR MECH8260</td>
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<td>Semester 2</td>
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<tr>
<td>Air Conditioning and Refrigeration</td>
<td></td>
<td>N MECH2255</td>
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<tr>
<td>MECH2275</td>
<td>6</td>
<td>A The student will need a sound background in advanced level fluid mechanics, thermodynamics and heat transfer. In particular, students should be able to analyse fluid flow in turbomachinery; perform first and second law thermodynamic analysis of energy conversion systems, including chemically reacting systems; and perform advanced level calculations of conductive and convective and radiative heat transfer, including radiative spectral analysis.</td>
<td>P (MECH2820 AND MECH3261) OR (AERO2360 AND AERO2361) OR (MECH9260 AND MECH9261) OR (MECH8260 and MECH8261) OR (AERO2920 AND AERO2921) OR (AERO2920 and AERO2921)</td>
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<tr>
<td>Renewable Energy</td>
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<td>N AMME4223</td>
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<tr>
<td>MECH3004</td>
<td>6</td>
<td>A Fundamental knowledge in materials science and engineering: 1) atomic and crystal structures 2) metallurgy 3) structure-property relationship 4) mechanics of engineering materials 5) solid mechanics</td>
<td>P (MECH9361 OR MECH3961 OR MECH8361) AND (MECH9362 or MECH8362 OR MECH3962)</td>
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<td>Semester 2</td>
</tr>
<tr>
<td>Materials Failure</td>
<td></td>
<td>N MECH3962</td>
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<tr>
<td>MECH3310</td>
<td>6</td>
<td>P MECH3362 OR MECH3962 or MECH8362</td>
<td>N MECH4310</td>
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<td></td>
<td>Semester 1</td>
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<tr>
<td>Advanced Engineering Materials</td>
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<td>N MECH4310</td>
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<tr>
<td>MECH3311</td>
<td>6</td>
<td>A AMME3922 OR CIVIL2110</td>
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<td>Semester 1</td>
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<tr>
<td>Microscopy and Microanalysis of Materials</td>
<td></td>
<td>N AMME3922</td>
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<tr>
<td>MECH3720</td>
<td>6</td>
<td>A Strong MATLAB skills</td>
<td>P MTRX3700</td>
<td></td>
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<td>Semester 2</td>
</tr>
<tr>
<td>Sensors and Signals</td>
<td></td>
<td>N MECH4720</td>
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<tr>
<td>MECH4167</td>
<td>6</td>
<td>A ENGG1802 - Eng Mechanics, balance of forces and moments; AMME2301 - Mechanics of Solids, 2 and 3 dimensional stress and strain; AMME2500 - Engineering Dynamics – dynamic forces and moments; MECH2400 - Mechanical Design 1, approach to design problems and report writing, and preparation of engineering drawing; MECH3480 - Mechanical design 2, means of applying fatigue analysis to a wide range of machine components</td>
<td>P AMME3500 OR AMME3501 OR AMME5851) AND MTRX3700</td>
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<td>Semester 1</td>
</tr>
<tr>
<td>Advanced Design and Analysis</td>
<td></td>
<td>N MECH4167</td>
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<tr>
<td>MTRX5700</td>
<td>6</td>
<td>A Knowledge of statics and dynamics, rotation matrices, programming and some electronic and mechanical design experience is assumed</td>
<td>P AMME3500 OR AMME3501 OR AMME5851) AND MTRX3700</td>
<td></td>
<td></td>
<td>Semester 1</td>
</tr>
<tr>
<td>Experimental Robotics</td>
<td></td>
<td>N MTRX5700</td>
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</table>
Project units

All candidates are required to complete a minimum of 12 credit points of Project or Research units during the final year of study. Candidates achieving an average mark of 70% or higher over 48 credit points of units of study are eligible for the Extended Capstone Project. Extended Capstone Project candidates take Capstone Project units AMME5020 BMET5020 and AMME5022 BMET5022 (total 18 cp) in place of Capstone Project.

Extended Capstone Project candidates take Capstone Project units AMME5020 BMET5020 and AMME5022 BMET5022 (total 18 cp) in place of Capstone Project.

Candidates achieving an average mark of 70% or higher over 48 credit points of units of study are eligible for the Extended Capstone Project.

Candidates achieving an average mark of 75% or higher over 48 credit points of units of study or equivalent are eligible for the Research Pathway.

Research pathway

Candidates achieving an average mark of 75% or higher over 48 credit points of units of study or equivalent are eligible for the Research Pathway.

Research pathway candidates take Dissertation units AMME5222 BMET5222 and AMME5223 BMET5223 (total 24 cp) in place of Capstone Project units and 12 cp of elective units.

AMME5222 Dissertation A

<table>
<thead>
<tr>
<th>Credit points</th>
<th>A: Assumed knowledge</th>
<th>P: Prerequisites</th>
<th>C: Corequisites</th>
<th>N: Prohibition</th>
<th>Session</th>
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</thead>
<tbody>
<tr>
<td>12</td>
<td>N AMME5020 OR AMME5021 OR AMME5022 OR BMET5020 OR BMET5022 OR BMET5023 OR BMET5010</td>
<td>Note: Department permission required for enrolment</td>
<td>In order to enrol in a dissertation project, students must first secure an academic supervisor in an area that they are interested. Students must have achieved a WAM of 75% or greater in their prior year of study. The topic of your project must be determined in consultation with the supervisor.</td>
<td>Semester 1 Semester 2</td>
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BMET5222 Dissertation A

<table>
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<tr>
<th>Credit points</th>
<th>A: Assumed knowledge</th>
<th>P: Prerequisites</th>
<th>C: Corequisites</th>
<th>N: Prohibition</th>
<th>Session</th>
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<tbody>
<tr>
<td>12</td>
<td>N BMET5020 OR BMET5021 OR BMET5022 OR AMME5020 OR AMME5021 OR AMME5022 OR AMME5023 OR AMME5010</td>
<td>Note: Department permission required for enrolment</td>
<td>In order to enrol in a dissertation project, students must first secure an academic supervisor in an area that they are interested. Students must have achieved a WAM of 75% or greater in their prior year of study. The topic of your project must be determined in consultation with the supervisor.</td>
<td>Semester 1 Semester 2</td>
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</table>

AMME5223 Dissertation B

<table>
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<tr>
<th>Credit points</th>
<th>A: Assumed knowledge</th>
<th>P: Prerequisites</th>
<th>C: Corequisites</th>
<th>N: Prohibition</th>
<th>Session</th>
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<tr>
<td>12</td>
<td>N AMME5020 OR AMME5021 OR AMME5022 OR BMET5020 OR BMET5022 OR BMET5023 OR BMET5010</td>
<td>Note: Department permission required for enrolment</td>
<td>In order to enrol in a dissertation project, students must first secure an academic supervisor in an area that they are interested. Students must have achieved a WAM of 75% or greater in their prior year of study. The topic of your project must be determined in consultation with the supervisor.</td>
<td>Semester 1 Semester 2</td>
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BMET5223 Dissertation B

<table>
<thead>
<tr>
<th>Credit points</th>
<th>A: Assumed knowledge</th>
<th>P: Prerequisites</th>
<th>C: Corequisites</th>
<th>N: Prohibition</th>
<th>Session</th>
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<tbody>
<tr>
<td>12</td>
<td>N BMET5020 OR BMET5021 OR BMET5022 OR AMME5020 OR AMME5021 OR AMME5022 OR AMME5023 OR AMME5010</td>
<td>Note: Department permission required for enrolment</td>
<td>In order to enrol in a dissertation project, students must first secure an academic supervisor in an area that they are interested. Students must have achieved a WAM of 75% or greater in their prior year of study. The topic of your project must be determined in consultation with the supervisor.</td>
<td>Semester 1 Semester 2</td>
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</table>

Major Industrial Project

Candidates undertaking the Major Industrial Project take AMME5010 BMET5010 in place of ENGG5217 Practical Experience, AMME5020/5021 BMET5020/5021 Capstone Project A & B and 12 credit points of Specialist Elective units of study.

AMME5010 Major Industrial Project

<table>
<thead>
<tr>
<th>Credit points</th>
<th>A: Assumed knowledge</th>
<th>P: Prerequisites</th>
<th>C: Corequisites</th>
<th>N: Prohibition</th>
<th>Session</th>
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<tbody>
<tr>
<td>24</td>
<td>A Students must have a credit (&gt;65%) average in prior semester enrolment</td>
<td>N AMME5020 OR AMME5021 OR AMME5022 OR AMME5023 OR ENGG5217 OR BMET5020 OR BMET5021 OR BMET5022 OR BMET5223 OR BMET5010</td>
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<td>Semester 1 Semester 2</td>
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BMET5010 Major Industrial Project

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<thead>
<tr>
<th>Credit points</th>
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<th>P: Prerequisites</th>
<th>C: Corequisites</th>
<th>N: Prohibition</th>
<th>Session</th>
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</thead>
<tbody>
<tr>
<td>24</td>
<td>A Students must have a credit (&gt;65%) average in prior semester enrolment</td>
<td>N BMET5020 OR BMET5021 OR BMET5022 OR BMET5223 OR ENGG5217 OR AMME5020 OR AMME5021 OR AMME5022 OR AMME5023 OR AMME5010</td>
<td>Note: Department permission required for enrolment</td>
<td>Semester 1 Semester 2</td>
<td></td>
</tr>
</tbody>
</table>

Exchange units

Exchange units require the approval of the Program Director. With approval, up to 12 credit points of Exchange units may be taken in place of other units, towards the requirements of the degree.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Intensive Sessions</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGG5231</td>
<td>Engineering Graduate Exchange A</td>
<td>6</td>
<td>January - July</td>
</tr>
<tr>
<td>ENGG5232</td>
<td>Engineering Graduate Exchange B</td>
<td>6</td>
<td>January - July</td>
</tr>
</tbody>
</table>
Non-Confidential

<table>
<thead>
<tr>
<th>Author</th>
<th>Christine Lacey, Faculty of Engineering and Information Technologies</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reviewer/Approver</td>
<td>Masahiro Takatsuka, Deputy Head of School (Education), School of Computer Science</td>
</tr>
<tr>
<td>Paper title</td>
<td>Introduction of new Data Science capstone units</td>
</tr>
<tr>
<td>Purpose</td>
<td>To amend the Unit of Study Table for the Master of Data Science to incorporate new project/capstone/dissertation units</td>
</tr>
</tbody>
</table>

**RECOMMENDATION**

*That the Graduate Studies Committee recommend that Academic Board:*

1. approve the proposal from the Faculty of Engineering and Information Technologies to amend the Master of Data Science;
2. approve the amendment to the table of Units of Study arising from the proposals, with effect from 1 January 2020.

**EXECUTIVE SUMMARY**

It is proposed to introduce new data science specific unit codes for the Master of Data Science capstone project. The new units are required to deal with the increasing number of students who have completed the Master of Information Technology returning to enrol in the Master of Data Science. These students have completed a capstone project under unit code COMP57XX that is also a requirement for MDS students. As such, these students have been unable to re-enrol in the same unit code. The new set of data science specific capstone project unit codes, DATA57XX, resolves this issue. The new DATA57XX units will mirror the requirements of their COMP57XX equivalent units.

<table>
<thead>
<tr>
<th>Unit title</th>
<th>New unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Data Science Capstone Project (12 cp)</td>
<td>DATA5703</td>
</tr>
<tr>
<td>Data Science Capstone A</td>
<td>DATA5707</td>
</tr>
<tr>
<td>Data Science Capstone B</td>
<td>DATA5708</td>
</tr>
<tr>
<td>Data Science Capstone Project – Individual (12 cp)</td>
<td>DATA5709</td>
</tr>
</tbody>
</table>

**ATTACHMENTS**

Attachment 1: Minor Course Amendment proposal – Master of Data Science
Minor Course Amendment Proposal

Faculty: Faculty of Engineering and Information Technologies

Contact person: A/Prof Masahiro Takatsuka x15903, Christine Lacey x40678

1. Name of award course
   Master of Data Science

2. Purpose of proposal
   To propose new data science specific unit codes for the Master of Data Science capstone project as follows:

   DATA5703 Data Science Capstone Project (12cp)
   DATA5707 Data Science Capstone A (6cp)
   DATA5708 Data Science Capstone B (6cp)
   DATA5709 Data Science Capstone Project – Individual (12cp)

   These units are the data science versions of the following existing COMP57XX IT Capstone Project units:

   COMP5703 Information Technology Capstone Project (12cp)
   COMP5707 Information Technology Capstone A (6cp)
   COMP5708 Information Technology Capstone B (6cp)
   COMP5709 Information Technology Capstone Project – Individual (12cp)

   The DATA57XX units are required to deal with the increasing number of students who have completed our Master of Information Technology returning to enrol in the Master of Data Science. These students have completed a capstone project under unit code COMP5703 that is also a requirement for MDS students. As such, these students have been unable to re-enrol in the same unit code. The new set of data science specific capstone project unit codes, DATA57XX, resolves this issue. The new DATA57XX units will mirror the requirements of their COMP57XX equivalent units.

3. Details of amendment
   Appendix 1: Master of Data Science – Unit of Study table

4. Transitional arrangements
   The new units will be available from 2020 to any eligible student who has not yet commenced the capstone project.

5. Other relevant information
   Nil

6. Signature of Dean
   
   [Signature]
   15/4/19
# Unit of study table

## Master of Data Science

Candidates for the degree of Master of Data Science are required to complete 48 credit points from the units of study listed in the tables below as follows:

1. 24 credit points of Core units of study including: COMP5310, COMP5318, COMP5048, STAT5003
2. 12 credit points of Project units of study
3. a maximum of 12 credit points of non-Data Science Elective units of study as approved by the Academic Director

To qualify for the Graduate Certificate in Data Science, candidates must complete the following core units:

COMP3510, COMP9007, COMP9120, STAT5002.

## Core

### Master of Data Science

Candidates for the Master of Data Science must complete 24 credit points from the following core units:

<table>
<thead>
<tr>
<th>Unit of study</th>
<th>Credit points</th>
<th>A: Assumed knowledge</th>
<th>P: Prerequisites</th>
<th>C: Corequisites</th>
<th>N: Prohibition</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMP5310 Principles of Data Science</td>
<td>6</td>
<td>N</td>
<td>INFO3406</td>
<td>Semester 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>COMP5318 Machine Learning and Data Mining</td>
<td>6</td>
<td>A</td>
<td>INFO2110 OR ISYS2110 OR COMP9120 OR COMP5138</td>
<td>Semester 1</td>
<td>Semester 2</td>
<td></td>
</tr>
<tr>
<td>COMP5048 Visual Analytics</td>
<td>6</td>
<td>A</td>
<td>It is assumed that students will have basic knowledge of data structures, algorithms and programming skills.</td>
<td>Semester 2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>STAT5003 Computational Statistical Methods</td>
<td>6</td>
<td>P</td>
<td>Note: Department permission required for enrolment</td>
<td>Semester 1</td>
<td>Semester 2</td>
<td></td>
</tr>
</tbody>
</table>

The prerequisite for STAT5003 is waived for MDS students. Please apply for special permission for this unit of study.

## Graduate Certificate in Data Science

Candidates for the Graduate Certificate in Data Science must complete all 24 credit points of the following core units:

<table>
<thead>
<tr>
<th>Unit of study</th>
<th>Credit points</th>
<th>A: Assumed knowledge</th>
<th>P: Prerequisites</th>
<th>C: Corequisites</th>
<th>N: Prohibition</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMP3510 Principles of Data Science</td>
<td>6</td>
<td>N</td>
<td>INFO3406</td>
<td>Semester 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>COMP5007 Algorithms</td>
<td>6</td>
<td>A</td>
<td>This unit of study assumes that students have general knowledge of mathematics (especially Discrete Math) and problem solving. Having moderate knowledge about Data structure can also help students to better understand the concepts of Algorithms will be taught in this course. N COMP5211</td>
<td>Semester 1</td>
<td>Semester 2</td>
<td></td>
</tr>
<tr>
<td>COMP9120 Database Management Systems</td>
<td>6</td>
<td>A</td>
<td>Some exposure to programming and some familiarity with data model concepts</td>
<td>Semester 1</td>
<td>Semester 2</td>
<td></td>
</tr>
<tr>
<td>STAT5002 Introduction to Statistics</td>
<td>6</td>
<td>A</td>
<td>HSC Mathematics</td>
<td>Semester 1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

## Project

Candidates for the Master of Data Science must complete 24 credit points from Core and Elective units of study before enrolling in any Project units. Candidates who do not achieve a credit average may have their eligibility for the capstone project subject to review by the Academic Director.

The minimum requirement for the Master of Data Science is 12 credit points of capstone project units. These can be completed either as the two 6 credit point units, COMP5707 and COMP5708, over two semesters, or as the 12 credit point unit, COMP5703, in one semester.

Candidates for the Master of Data Science must complete 24 credit points from Core, Specialist or Foundation units of study before enrolling in any project units. Candidates who have previously studied an introductory database subject as part of their undergraduate degree should not enrol in this foundational unit, as it covers the same foundational content.

The minimum requirement for the IT Capstone Project is 12 credit points. The minimum requirement for the DS Capstone Project is 6 credit points.

<table>
<thead>
<tr>
<th>Unit of study</th>
<th>Credit points</th>
<th>A: Assumed knowledge</th>
<th>P: Prerequisites</th>
<th>C: Corequisites</th>
<th>N: Prohibition</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMP5303 Information Technology Capstone Project</td>
<td>12</td>
<td>P</td>
<td>A candidate for the MDS, MIT, MITM or MIT / MITM who has completed 24 credit points from Core, Specialist or Foundation units of study may take this unit.</td>
<td>Semester 2</td>
<td>Semester 2</td>
<td></td>
</tr>
<tr>
<td>DAT5703 Data Science Capstone Project</td>
<td>12</td>
<td>P</td>
<td>A candidate for the MDS who has completed 24 credit points from Core, Specialist or Foundation units of study may take this unit.</td>
<td>Semester 2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>COMP5307 Information Technology Capstone A</td>
<td>6</td>
<td>N</td>
<td>COMP5072 OR COMP5074 OR COMP5073</td>
<td>Semester 2</td>
<td>Semester 2</td>
<td></td>
</tr>
<tr>
<td>DAT5707 Data Science Capstone A</td>
<td>6</td>
<td>N</td>
<td>Note: Department permission required for enrolment</td>
<td>Semester 2</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Note: Department permission required for enrolment
Graduate Studies Committee 19/03  
30 April 2019

**Item 4.6**

**Analysis**  
Environmental Footprints and IO  
PHYS5033  
Analytics  
Applied GIS and Spatial Data  
Frontiers  
Learning Technology Research  
Evaluating Learning Tech. Innovation  
EDPC5012  
Data Analysis in the Social Sciences  
DATA5207  
Introduction to Complex Systems  
CSYS5010

Candidates for the Master of Data Science may complete a maximum of 12 credit points of Data Science elective units of study from the table below:

<table>
<thead>
<tr>
<th>Unit of study</th>
<th>Credit points</th>
<th>A: Assumed knowledge</th>
<th>P: Prerequisites</th>
<th>C: Corequisites</th>
<th>N: Prohibition</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMPS5046 Natural Language Processing</td>
<td>6</td>
<td>A Knowledge of an OOProgramming language</td>
<td></td>
<td></td>
<td></td>
<td>Semester 1</td>
</tr>
<tr>
<td>COMPS5328 Advanced Machine Learning</td>
<td>6</td>
<td>A COMPS5318</td>
<td></td>
<td></td>
<td></td>
<td>Semester 2</td>
</tr>
<tr>
<td>COMPS5329 Deep Learning</td>
<td>6</td>
<td>A COMPS5318</td>
<td></td>
<td></td>
<td></td>
<td>Semester 1</td>
</tr>
<tr>
<td>COMPS5338 Advanced Data Models</td>
<td>6</td>
<td>A This unit of study assumes foundational knowledge of relational database systems as taught in COMP5138/COMP9120 (Database Management Systems) or INFO5210/INFO6210/INFO6210 (Database Systems 1).</td>
<td></td>
<td></td>
<td></td>
<td>Semester 2</td>
</tr>
<tr>
<td>COMPS5349 Cloud Computing</td>
<td>6</td>
<td>A Good programming skills, especially in Java for the practical assignment, as well as proficiency in databases and SQL. This unit is expected to be taken after introductory courses</td>
<td></td>
<td></td>
<td></td>
<td>Semester 1</td>
</tr>
<tr>
<td>COMP5425 Multimedia Retrieval</td>
<td>6</td>
<td>A COMP9007 or COMP5211. Basic Programming skills and data structure knowledge.</td>
<td></td>
<td></td>
<td></td>
<td>Semester 1</td>
</tr>
<tr>
<td>INFO5060 Data Analytics and Business Intelligence</td>
<td>6</td>
<td>A The unit is expected to be taken after introductory courses or related units such as COMP5206 Summer Main Information Technologies and Systems</td>
<td></td>
<td></td>
<td></td>
<td>Semester 1</td>
</tr>
<tr>
<td>INFO5030 Information Security Management</td>
<td>6</td>
<td>A This unit of study assumes foundational knowledge of Information systems management. A Two year IT industry exposure and a breadth of IT experience will be preferable.</td>
<td></td>
<td></td>
<td></td>
<td>Semester 1</td>
</tr>
<tr>
<td>QBUS5810 Statistical Learning and Data Mining</td>
<td>6</td>
<td>P ECMT5001 or QBUS5001</td>
<td></td>
<td></td>
<td></td>
<td>Semester 1</td>
</tr>
<tr>
<td>QBUS5840 Predictive Analytics</td>
<td>6</td>
<td>P QBUS5001 or ECMT5001</td>
<td></td>
<td></td>
<td></td>
<td>Semester 1</td>
</tr>
</tbody>
</table>

**Non-Data Science Electives**

Candidates may complete a maximum of 12 credit points from the listed Non-Data Science Elective units, or units of study from any discipline deemed appropriate as a non-Data Science elective by the Academic Director.

<table>
<thead>
<tr>
<th>Unit of study</th>
<th>Credit points</th>
<th>A: Assumed knowledge</th>
<th>P: Prerequisites</th>
<th>C: Corequisites</th>
<th>N: Prohibition</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSYS5010 Introduction to Complex Systems</td>
<td>6</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Semester 2</td>
</tr>
<tr>
<td>DATA5207 Data Analysis in the Social Sciences</td>
<td>6</td>
<td>A COMPS5310</td>
<td>Note: Department permission required for enrolment</td>
<td></td>
<td></td>
<td>Semester 1</td>
</tr>
<tr>
<td>EDP5010 Evaluating LearningTech. Innovation</td>
<td>6</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Semester 1</td>
</tr>
<tr>
<td>EDP5205 Learning Technology Research Frontiers</td>
<td>6</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Semester 2</td>
</tr>
<tr>
<td>ITLS6107 Applied GIS and Spatial Data Analytics</td>
<td>6</td>
<td>N TPTM6180</td>
<td>This unit assumes no prior knowledge of GIS; the unit is hands-on involving the use of software, which students will be trained in using.</td>
<td></td>
<td></td>
<td>Semester 2</td>
</tr>
<tr>
<td>PHYS5003 Environmental Footprints and IO Analysis</td>
<td>6</td>
<td>Minimum class size of 5 students.</td>
<td></td>
<td></td>
<td></td>
<td>Semester 2</td>
</tr>
</tbody>
</table>

For more information on degree program requirements visit CUSP https://cusp.sydney.edu.au
Confidential OR Non-Confidential

Author | Sue Ng, PG Law Programs Manager
Reviewer/Approver | Prof Cameron Stewart, Acting Head of School & Dean, Sydney Law School
Proposal / Paper Title | Minor Amendments to Law School Resolutions and Course Resolutions for Master of Laws and Graduate Diploma in Law
Purpose | To request that the Graduate Studies Committee recommend the minor amendments to the Law School Resolutions and the Course Resolutions for Master of Laws and Graduate Diploma in Law to Academic Board for approval.

RECOMMENDATION

That the Graduate Studies Committee recommend that Academic Board:

(1) approve the proposal from Sydney Law School to amend the Resolutions of the University of Sydney Law School for Coursework Awards, and the Master of Laws and Graduate Diploma in Law; and
(2) approve the amendments to the School and course resolutions arising from the proposal, with effect from 1 January 2020.

EXECUTIVE SUMMARY

In 2017, Sydney Law School introduced the Bachelor of Laws (LLB) and Juris Doctor (JD) and Master of Laws (LLM) study pathway. The pathway enables Sydney LLB and JD graduates to enrol in the LLM and count up to 24cp of LAWS6000 and JURS6000 level units towards the degree upon successful completion of fifty percent of their course requirement. The School is proposing to extend this study pathway to the Graduate Diploma in Law. This will enable Sydney LLB and JD graduates, with a WAM below credit average, to enrol in a Graduate Diploma in Law and apply for credit of up to 12 credit points for the LAWS6000 and JURS6000 level units completed in their prior degree.

ATTACHMENTS

Attachment 1: minor course amendment template
Attachment 2: Course Resolutions for Master of Laws and Graduate Diploma in Law
Attachment 3: Resolutions of the University of Sydney Law School for Coursework Awards.
Faculty: Sydney Law School

Contact person: Prof Cameron Stewart / Sue Ng

1. Name of award course
Resolutions of the School
Master of Laws
Graduate Diploma in Law

2. Purpose of proposal

Background:
A study pathway currently exists for Sydney Law School Bachelor of Laws and Juris Doctor graduates entering into the Master of Laws. These graduates may claim credit for up to 24 credit points of Sydney Law School LAWS6000 and JURS6000 level units of study previously completed as part of their degree.

Purpose of the proposal:
To amend (i) Resolutions of the School and (ii) Course Resolutions for the Master of Laws and Graduate Diploma in Law. The amendments will enable Sydney Law School Bachelor of Laws and Juris Doctor graduates, who do not meet the admission requirements for the Master of Laws, to enrol in a Graduate Diploma in Law under a similar study pathway. These students may count up to 12 credit points of their completed Sydney Law School LAWS6000 and JURS6000 level units of study towards the Graduate Diploma in Law upon successful completion of 50% of their course requirements.

3. Details of amendment
(i) Resolutions of the School

4 Credit for previous study
(1) The Coursework Rule specifies the general conditions for the granting of credit for previous study towards courses in this School. Advice regarding the granting of credit for undergraduate courses and the Juris Doctor can be found in the relevant course resolutions. Postgraduate students may apply for credit for units of study completed outside the School. Previous study may include study completed prior to enrolment. At the discretion of the Head of School and Dean, such credit may be granted on the following conditions:
(a) Postgraduate students must complete at least 50% of their course requirements from units of study listed in the table of units specified for their course.
(b) Where students outside the University of Sydney Law School are permitted to transfer their enrolment to a postgraduate course in the University of Sydney Law School, the Head of School and Dean may grant credit for previous studies of up to 50% of the requirements of their course.
(c) Subject to paragraph (a), the Head of School and Dean may permit postgraduate students to satisfy up to 25% of their course requirements from units of study previously completed in the School on a non-award basis. The value of credit may not exceed 25% of the student's course requirements.
(d) Credit will not be given for units of study which are or have been credited towards the award of another course, except:
(i) postgraduate students who have graduated with a graduate diploma previously awarded by the University of Sydney Law School, may apply to have relevant units from that graduate diploma credited towards a master's degree in the University of Sydney Law School; and
(ii) Master of Laws students Students who are Bachelor of Laws or Juris Doctor graduates or graduates of the University of Sydney LAWS6000/JURS6000 units of study as part of their Bachelor of Laws or Juris Doctor courses, may apply to have up to 12 credit points of such units of study credited towards a Graduate Diploma in Law and 24 credit points of such units of study credited towards a Master of Laws.
(e) Postgraduate students may not enrol in units of study for credit to a course which are, in the opinion of the Head of School and Dean, substantially similar to other units of study for which credit has been given.
(f) The subject matter of the units of study for which credit is sought must, in the opinion of the Head of School and Dean, be sufficiently relevant to the course of study in which the student is currently enrolled.
(g) The work completed for the other course must, in the opinion of the Head of School and Dean, be of a sufficient standard.
(h) Credit may not be given for previous or current work which takes the form of a supervised or unsupervised independent research project. However, this provision does not apply to a coursework unit that is assessed partly or wholly by a research paper.
(i) Postgraduate students who are given such credit are not thereby exempted from fulfilling the requirements for that award course, including the completion of any compulsory units that currently apply.

(ii) Resolutions of the Master of Laws and Graduate Diploma of Law

7 Credit for Previous Study
Students who are Bachelor of Laws or Juris Doctor graduates or graduands of the University of Sydney and who completed Sydney Law School LAWS6000/JURS6000 units of study as part of their Bachelor of Laws or Juris Doctor courses may apply to have up to 12 credit points of such units of study credited towards a Graduate Diploma in Law and 24 credit points of such units of study credited towards a Master of Laws.
(a) Credit may only be granted upon satisfactory completion at Sydney Law School of a minimum of 24 credit points of units of study undertaken at Sydney Law School while enrolled in the Graduate Diploma in Law and 24 credit points in the Master of Laws.

8 Course transfer
A candidate for the master's degree may elect to discontinue study and graduate with the shorter award from this embedded sequence, with the approval of the Head of School and Dean, and provided the requirements of the shorter award have been met.
(a) Credit towards the shorter award will not be awarded for LAWS6000/JURS6000 units of study undertaken as part of the student's Bachelor of Laws or Juris Doctor.

3. Transitional arrangements
NA

4. Other relevant information
NA

6. Signature of Dean

Prof Cameron Stewart
Acting Head of School and Acting Dean

Date 9/4/2019
Graduate Diploma in Law

Master of Laws

These resolutions must be read in conjunction with applicable University By-laws, Rules and policies including (but not limited to) the University of Sydney (Coursework) Rule 2014 (the ‘Coursework Rule’), the Coursework Policy 2014, the Resolutions of the School, the University of Sydney (Student Appeals against Academic Decisions) Rule 2006 (as amended), the Academic Honesty in Coursework Policy 2015 and the Academic Honesty Procedures 2016. Up to date versions of all such documents are available from the Policy Register: http://sydney.edu.au/policies.

Course resolutions

1 Course codes

<table>
<thead>
<tr>
<th>Code</th>
<th>Course title</th>
</tr>
</thead>
<tbody>
<tr>
<td>GNLAWLAW-01</td>
<td>Graduate Diploma in Law</td>
</tr>
<tr>
<td>MALAWLAW-04</td>
<td>Master of Laws</td>
</tr>
</tbody>
</table>

2 Attendance pattern
The attendance pattern for these courses is full-time or part-time according to candidate choice.

3 Master's type
The master’s degree in these resolutions is an advanced learning master's degree, as defined by the Coursework Rule.

4 Embedded courses in this sequence

(1) The embedded courses in this sequence are:
(a) the Graduate Diploma in Law
(b) the Master of Laws
(2) Provided that candidates satisfy the admission requirements for each stage, a candidate may progress to the award of either of the courses in this sequence. Only the longer award completed will be conferred.

5 Admission to candidature

(1) Available places will be offered to qualified applicants based on merit, according to the following admissions criteria.
(2) Admission to candidature for the Graduate Diploma in Law requires a Bachelor of Laws or Juris Doctor from the University of Sydney, or an equivalent qualification.
(3) Admission to candidature for the Master of Laws requires:
   (a) a Bachelor of Laws or Juris Doctor with a minimum credit average from the University of Sydney; or an equivalent qualification; or
   (b) completion of the requirements of an embedded graduate diploma with a minimum credit average, or an equivalent qualification.

6 Requirements for award
(1) The units of study that may be taken for the courses are set out in the table of units of study for the Master of Laws.
(2) To qualify for the award of the Graduate Diploma in Law, a candidate must complete 24 credit points.
(3) To qualify for the award of the Master of Laws, a candidate must complete 48 credit points, including at least one unit of study in which the assessment consists substantially of a long research essay (7,000-10,000 words in length) (capstone experience).

7 Credit for Previous Study
Students who are Bachelor of Laws or Juris Doctor graduates or graduands of the University of Sydney and who completed Sydney Law School LAWS6000/JURS6000 units of study as part of their Bachelor of Laws or Juris Doctor courses may apply to have up to 12 credit points of such units of study credited towards a Graduate Diploma in Law and 24 credit points of such units of study credited towards a Master of Laws.

7(a) Credit may only be granted upon satisfactory completion at Sydney Law School of a minimum of 12 credit points of units of study undertaken at Sydney Law School while enrolled in the Graduate Diploma in Law and 24 credit points in the Master of Laws.

8 Course transfer
A candidate for the master's degree may elect to discontinue study and graduate with the shorter award from this embedded sequence, with the approval of the Head of School and Dean, and provided the requirements of the shorter award have been met.

8(a) Credit towards the shorter award will not be awarded for LAWS6000/JURS6000 units of study undertaken as part of the student's Bachelor of Laws or Juris Doctor.

9 Transitional provisions
(1) These resolutions apply to students who commenced their candidature on or after 1 January 2018.
(2) Students who commenced prior to 1 January 2018 will complete the requirements in accordance with the resolutions in force at the time of their commencement. The School may specify a later date for completion or specify alternative requirements for completion of candidatures that extend beyond the prescribed time limit.
Resolutions of The University of Sydney Law School for coursework awards

These resolutions apply to all undergraduate and postgraduate coursework award courses in the School, unless specifically indicated otherwise. Students enrolled in postgraduate research awards should consult the resolutions for their course. These resolutions must be read in conjunction with applicable University By-laws, Rules and policies including (but not limited to) the University of Sydney (Coursework) Rule 2014 (the 'Coursework Rule'), the resolutions for the course of enrolment, the University of Sydney (Student Appeals against Academic Decisions) Rule 2006 (as amended), the Academic Honesty in Coursework Policy 2015 and the Academic Honesty Procedures 2016. Up to date versions of all such documents are available from the Policy Register: http://sydney.edu.au/policies.

In the context of these resolutions, "postgraduate" refers to Advanced Learning and Professional Master's degrees and Graduate Diplomas. It does not refer to the Juris Doctor which is identified by name where appropriate.

Part 1: Course enrolment

1. Enrolment restrictions

   (1) Except with the permission of the Head of School and Dean, a student may not enrol in units of study with a total value of more than 24 credit points per semester. Further to this, undergraduate and Juris Doctor students may not enrol in more than 12 credit points in the summer session or 6 credit points in the winter session.

   (2) Units of study in excess of a student's award course requirements will be taken on a full fee, non-award basis. For undergraduate and Juris Doctor students the results from these non-award units will not be included in the calculation of the WAM.

2. Time limits

   (1) A student must complete all requirements for a master's degree within 6 calendar years from first enrolment. Part time students should ensure their enrolment pattern allows completion within the maximum time.

   (2) A student must complete all requirements for a graduate diploma within 3 calendar years from first enrolment. Part time students should ensure their enrolment pattern allows completion within the maximum time.

   (3) A student must complete all requirements for the Juris Doctor degree within ten calendar years from first enrolment.

   (4) A student must complete all requirements for a bachelor's degree (including combined degrees) within ten calendar years from first enrolment.

   (5) Periods of suspension, exclusion or lapsed candidature will be added to maximum completion times except that no completion time will exceed 10 years from first enrolment.

   (6) Credit will not be granted for previous studies older than 10 years at the time of first enrolment.

   (7) If a postgraduate student is admitted with credit, the School will determine a reduced time limit for completion of the award course.

3. Suspension, discontinuation and lapse of candidature

The Coursework Rule specifies the conditions for suspending or discontinuing candidature, and return to candidature after these events. The Rule also defines the circumstances when candidature is deemed to have lapsed. Students should pay careful attention to the significant dates in these processes and their effect on results and financial liability. Students should refer to the relevant course resolutions for further detail on the criteria for approving suspensions of candidature.

4. Credit for previous study

   (1) The Coursework Rule specifies the general conditions for the granting of credit for previous study towards courses in this School. Advice regarding the granting of credit for undergraduate courses and the Juris Doctor can be found in the relevant course resolutions. Postgraduate students may apply for credit for units of study completed outside the School. Previous study may include study completed prior to enrolment. At the discretion of the Head of School and Dean, such credit may be granted on the following conditions:

   (a) Postgraduate students must complete at least 50% of their course requirements from units of study listed in the table of units specified for their course.

   (b) Where students outside the University of Sydney Law School are permitted to transfer their enrolment to a postgraduate course in the University of Sydney Law School, the Head of School and Dean may grant credit for previous studies of up to 50% of the requirements of their course.

   (c) Subject to paragraph (a), the Head of School and Dean may permit postgraduate students to satisfy up to 25% of their course requirements from units of study previously completed in the School on a non-award basis. The value of credit may not exceed 25% of the student's course requirements.

   (d) Credit will not be given for units of study which are or have been credited towards the award of another course, except:

      (i) postgraduate students who have graduated with a graduate diploma previously awarded by the University of Sydney Law School, may apply to have relevant units from that graduate diploma credited towards a master's degree in the University of Sydney Law School; and

      (ii) postgraduate students who are Bachelor of Laws or Juris Doctor graduates or graduands of the University of Sydney and who have completed Sydney Law School LAWS6000/JURS6000 units of study as part of their Bachelor of Laws or Juris Doctor courses, may apply to have up to 12 credit points of such units of study credited towards a Graduate Diploma in Law and 24 credit points of such units of study credited towards a Master of Laws.

   (e) Postgraduate students may not enrol in units of study for credit to a course which are, in the opinion of the Head of School and Dean, substantially similar to other units of study for which credit has been given.

   (f) The subject matter of the units of study for which credit is sought must, in the opinion of the Head of School and Dean, be sufficiently relevant to the course of study in which the student is currently enrolled.

   (g) The work completed for the other course must, in the opinion of the Head of School and Dean, be of a sufficient standard.

   (h) Credit may not be given for previous or current work which takes the form of a supervised or unsupervised independent research project. However, this provision does not apply to a coursework unit that is assessed partly or wholly by a research paper.
Part 2: Unit of study enrolment

5 Details on Units of Study

(1) All units will be offered as either one semester in duration or in intensive mode. An undergraduate unit and a Juris Doctor unit will require 39 hours of tuition for core units and between 26 and 39 hours for electives, and a postgraduate unit will require approximately 26 hours of tuition.

(2) Undergraduate and Juris Doctor students must satisfy the Jurisprudence requirement of their award courses by successfully completing an elective from the relevant Jurisprudence table (Part 2 of the Undergraduate Table and Part C of the Juris Doctor Table). A unit is included in the Jurisprudence tables if theoretical reflection on law as such is its primary goal.

6 Postgraduate students enrolling in units of study other than those specified for their course

(1) Subject to paragraph (b), the Head of School and Dean may permit postgraduate students to satisfy up to 25% of their course requirements from units of study within the University of Sydney Law School but outside the table of units specified for their course, subject to the student demonstrating:
   (a) that they have the relevant academic or professional background to undertake the unit(s);
   (b) the relevance of the unit(s) to their studies.

(2) Postgraduate students must complete at least 50% of their course requirements from units of study listed in the table of units specified for their course.

7 Postgraduate students enrolling in Juris Doctor units of study

(1) Postgraduate students may, with the permission of the Head of School and Dean, enrol in one designated Juris Doctor unit for credit towards the elective requirements of their award course subject to the following conditions:
   (a) The unit of study would enhance their area of specialisation or otherwise contribute to their program of postgraduate learning. Approval will not be granted where a suitable unit is taught within the postgraduate program.
   (b) Students may not enrol in the unit of study, Foundations of Law, or equivalent unit.

(2) Students will be required to comply with any alternative assessment requirements imposed (normally including a research paper representing no less than 60% of the assessment requirements for the unit of study).

8 Cross-institutional study

The Head of School and Dean may permit a student to complete a unit of study at another recognised institution and have that unit credited to the student's course requirements. Cross-institutional study is available subject to the following terms, unless specified in the course resolutions:

(1) the unit of study is not used to satisfy any compulsory requirement; and
(2) the unit of study content is not taught in any corresponding elective unit of study in the School; or
(3) the student is unable, for good reason, to attend a corresponding unit of study in the School; and
(4) the unit of study is taught in English at the required level and offered as part of an equivalent award course at the other institution;
(5) the unit of study has similar assessment requirements to units offered by the School; and
(6) the results from the cross-institutional unit(s) will not be included in the calculation of a student's WAM.

9 International exchange

(1) The School encourages undergraduate and Juris Doctor students to participate in international exchange programs.
(2) The following conditions apply:
   (a) Undergraduate and Juris Doctor students are only eligible to undertake a law exchange in their final year;
   (b) Students are not permitted to undertake more than one semester on exchange;
   (c) Students are not permitted to undertake any of their compulsory requirements, including Jurisprudence, on exchange;
   (d) Results from the exchange will not be included in the calculation of a student's WAM.

Part 3: Studying and assessment

10 Assessment guidelines

(1) Undergraduate:
   (a) The assessment regime of each unit of study will include more than one form of assessment, or at least the option of a second form of assessment.
   (b) The total number of assessable words for a unit of study assessed by assignments and/or take-home exams is 6000 words.
   (c) Sit-down exams should not exceed 2 hours, unless a longer time has been approved by the Pro-Dean.
   (d) "Free form" class participation must not amount to more than 10% of total assessment, but "structured class participation" may be weighted more heavily. A mark will not be assigned for free-form class participation where class size exceeds 25.
   (e) Jointly assessed work must be approved by the Pro-Dean and must not exceed 30% of total assessment.

(2) Juris Doctor:
   (a) The assessment regime of each unit of study will include more than one form of assessment, or at least the option of a second form of assessment.
   (b) The total number of assessable words for a unit of study assessed by assignments and/or take-home exams is 6000 words.
   (c) Sit-down exams should not exceed 2 hours, unless a longer time has been approved by the Pro-Dean.
   (d) "Free form" class participation must not amount to more than 10% of total assessment, but "structured class participation" may be weighted more heavily. A mark will not be assigned for free-form class participation where class size exceeds 25.
   (e) Jointly assessed work must be approved by the Pro-Dean, and must not exceed 30% of total assessment.

11 Attendance

(1) Students are required to attend a minimum of 70% of timetabled activities for a unit of study. Participation in a minimum number of assessment items or days of class may be included in the requirements specified for a unit of study. The Head of School and Dean may determine that a student fails a unit of study or is excluded from sitting the final examination because of unsatisfactory attendance.
(2) In the case of serious illness, injury or misadventure, a student may have their attendance requirement reduced or waived by the relevant lecturer, subject to the meeting all assessment requirements and providing satisfactory supporting documentation.
(3) Students are required to be in attendance at the correct time and place of any formal or informal examinations. Non-attendance on any grounds insufficient to claim special consideration will result in the forfeiture of marks associated with the assessment.
Late submission policy

(1) It is expected that, unless an application for special consideration has been approved, students will submit all assessment for a unit of study on the due date specified. If an extension has been granted and the assessment is submitted within the period of extension, no academic penalty will be applied to that assessment task.

(2) If an extension is either not sought, not granted or is granted but work is submitted after the extended due date, the relevant lecturer may not accept the work. A retrospective extension will only be granted in special circumstances, and will take into account not only the reasons why the work was late, but also why the request was late.

(3) The following penalty applies, unless a different regime is set out in the unit outline:

- For undergraduate and Juris Doctor units of study, an assessment which exceeds the word limit will attract a penalty of 10% of the total marks allocated to that assessment per calendar day or part thereof.
- For postgraduate units of study, lecturers retain discretion to review the whole of a student's performance and all of the circumstances in deciding whether or not to award a bare pass. Lecturers may set a deadline after which no work will be accepted, which is normally the date they intend to return the marked assessment to students.

Word limit policy

(1) The total word count for essays/written work should exclude the bibliography, footnote numbers and footnote citations, but discursive footnotes and quotations are included.

(2) In undergraduate and Juris Doctor units of study, an assessment which exceeds the word limit will attract a penalty of 10% of the total marks allocated to that assessment for every 100 words (or part thereof) over the limit (unless a different regime is set out in the unit outline or assessment instructions). Postgraduate students should refer to individual unit outlines.

Special consideration for illness, injury or misadventure

(1) Special consideration is a process that affords equal opportunity to students who have experienced circumstances that adversely impact their ability to complete an assessment task in a unit of study. The Coursework Rule provides full details of the University policy. The School's policies and procedures for applying for special consideration are described on the School website and in unit of study outlines.

(2) When a student experiences serious illness, injury, or misadventure that affects their ability to participate in assessment items, they may complete an application for special consideration. When the circumstances are so severe as to make completion of the unit(s) of study impossible, it may be more appropriate for the student to apply to discontinue from the unit(s) with permission.

(3) If a student disagrees with the outcome of an application for special consideration they should follow the steps outlined in the policy for appeals against academic decisions.

Concessional pass

In this School, the grade PCON (Concessional Pass) is not awarded.

Re-assessment

(1) The School does not offer opportunities for reassessment other than on the grounds of approved special consideration. However, at the discretion of the Head of School and Dean, an undergraduate or Juris Doctor student may be offered a supplementary exam if they have met all of the following conditions:

- the student has failed no more than one unit of study;
- the unit is a compulsory unit of study; and
- the unit of study was undertaken in what would otherwise be the student's final semester.

(2) All supplementary exams will be taken within two weeks of the release of marks.

Part 4: Progression, results and graduation

Satisfactory progress

(1) The School will monitor students for satisfactory progress towards the completion of their award course. Under the University's Student Academic Progression policy, the School aims to identify students at academic risk; alert them to their status; provide assistance to these students; and track their progress once identified.

(2) In this School, a student enrolled in an award course administered by the School will be deemed not to have made satisfactory progress in any semester for any of the following reasons:

- the student has failed a unit of study more than once;
- the student has failed a unit of study more than once;
- they achieve an average mark of less than fifty for all law units undertaken;
- they fail a unit of study more than once;
- they fail to meet progression requirements as listed in the course resolutions.

Weighted Average Mark (WAM)

(1) The Weighted Average Mark is used by the University as one indicator of performance. In this School the University WAM is used to determine eligibility for prizes and scholarships; admission to honours; and to calculate a final graduating rank for undergraduate and Juris Doctor students.

(2) The WAM is calculated on results obtained at the University of Sydney only. Units which have been credited from other law schools, or units undertaken on a student exchange program, will not be included in the WAM calculation.

(3) The University WAM is calculated using the following formula:

\[
WAM = \frac{\sum(Wc \times Mc)}{\sum(Wc)}
\]

Where Wc is the unit of study credit points x the unit weighting and Mc is the mark achieved for the unit. Units of study with a result of Absent Fail (AF) or Discontinue - Fail or (DF) are assigned a mark of zero, for the purpose of the WAM calculation. Units of study assessed on a pass/fail basis are not counted.

(4) The weight of a unit of study is assigned by the owning Faculty or School. In this School units are weighted with a value of one.

Part 5: Other

Special Permission

The Head of School and Dean may vary these resolutions for a particular student in exceptional circumstances.
20 Transitional provisions

(1) These resolutions apply to students who commenced their candidature on or after 1 January, 2019.

(2) Subject to sub-rule (3), students who commenced prior to 1 January, 2019 will complete the requirements in accordance with the resolutions in force at the time of their commencement, provided that requirements are completed by 1 January, 2023. The School may specify a later date for completion or specify alternative requirements for completion of candidatures that extend beyond this time.

(3) For all students who commenced their candidature prior to 1 January 2019, satisfactory progress will be determined according to the requirements stated in clause 17 of these resolutions.
CONFIDENTIAL

Author: Sue Ng, PG Law Programs Manager
Reviewer/Approver: Prof Cameron Stewart, Acting Head of School & Dean, Sydney Law School
Proposal / Paper Title: Minor Course Amendments to Postgraduate Law Award Courses

Purpose:
In plain language, provide the purpose of the submission (do not use acronyms, abbreviations or technical language). Content should be 1-2 sentences long.
To request that the Graduate Studies Committee recommend the minor course amendments to the Postgraduate Law award courses listed in the recommendation below to Academic Board for approval.

RECOMMENDATION

That the Graduate Studies Committee recommend that Academic Board:

(1) approve the proposal from the Sydney Law School to amend the Master of Laws, Graduate Diploma of Laws, Master of Criminology, Graduate Diploma in Criminology, Master of Environmental Law, Graduate Diploma in Environmental Law, Master of Business Law, Graduate Diploma in Business Law, Master of International Law, Graduate Diploma in International Law, Master of Law and International Development, Graduate Diploma in International Business Law, Master of Global Law, Master of Taxation, Graduate Diploma of Taxation, Master of International Taxation; and
(2) approve the amendment of the unit of study tables arising from the proposal, with effect from 1 January 2020.

EXECUTIVE SUMMARY

The School is proposing amendments be made to the elective and core units of study tables of postgraduate law courses which will incorporate the introduction of new units of study and unit of study title changes. The changes will reflect the true contents of the units.

ATTACHMENTS

Attachment 1: minor course amendment template
Attachment 2: Unit of Study Tables for the Award courses listed in the Recommendation, above.
Confidential OR Non-Confidential

Author: Sue Ng, PG Law Programs Manager
Reviewer/Approver: Prof Cameron Stewart, Acting Head of School & Dean, Sydney Law School
Proposal / Paper Title: Minor Amendments to Law School Resolutions and Course Resolutions for Master of Laws and Graduate Diploma in Law

Purpose:
In plain language, provide the purpose of the submission (do not use acronyms, abbreviations or technical language). Content should be 1-2 sentences long.
To request that the Graduate Studies Committee recommend the minor amendments to the Law School Resolutions and the Course Resolutions for Master of Laws and Graduate Diploma in Law to Academic Board for approval.

RECOMMENDATION

That the Graduate Studies Committee recommend that Academic Board:

(1) approve the proposal from Sydney Law School to amend the Resolutions of the University of Sydney Law School for Coursework Awards, and the Master of Laws and Graduate Diploma in Law; and

(2) approve the amendments to the School and course resolutions arising from the proposal, with effect from 1 January 2020.

EXECUTIVE SUMMARY

In 2017, Sydney Law School introduced the Bachelor of Laws (LLB) and Juris Doctor (JD) and Master of Laws (LLM) study pathway. The pathway enables Sydney LLB and JD graduates to enrol in the LLM and count up to 24cp of LAWS6000 and JURS6000 level units towards the degree upon successful completion of fifty percent of their course requirement. The School is proposing to extend this study pathway to the Graduate Diploma in Law. This will enable Sydney LLB and JD graduates, with a WAM below credit average, to enrol in a Graduate Diploma in Law and apply for credit of up to 12 credit points for the LAWS6000 and JURS6000 level units completed in their prior degree.

ATTACHMENTS

Attachment 1: minor course amendment template
Attachment 2: Course Resolutions for Master of Laws and Graduate Diploma in Law
Attachment 3: Resolutions of the University of Sydney Law School for Coursework Awards.
Faculty: Sydney Law School

Contact person: Prof Cameron Stewart / Sue Ng

1. Name of award course
   Resolutions of the School
   Master of Laws
   Graduate Diploma in Law

2. Purpose of proposal

   Background:
   A study pathway currently exists for Sydney Law School Bachelor of Laws and Juris Doctor graduates entering into the Master of Laws. These graduates may claim credit for up to 24 credit points of Sydney Law School LAWS6000 and JURS6000 level units of study previously completed as part of their degree.

   Purpose of the proposal:
   To amend (i) Resolutions of the School and (ii) Course Resolutions for the Master of Laws and Graduate Diploma in Law. The amendments will enable Sydney Law School Bachelor of Laws and Juris Doctor graduates, who do not meet the admission requirements for the Master of Laws, to enrol in a Graduate Diploma in Law under a similar study pathway. These students may count up to 12 credit points of their completed Sydney Law School LAWS6000 and JURS6000 level units of study towards the Graduate Diploma in Law upon successful completion of 50% of their course requirements.

3. Details of amendment

   (i) Resolutions of the School

   4 Credit for previous study
   (1) The Coursework Rule specifies the general conditions for the granting of credit for previous study towards courses in this School. Advice regarding the granting of credit for undergraduate courses and the Juris Doctor can be found in the relevant course resolutions. Postgraduate students may apply for credit for units of study completed outside the School. Previous study may include study completed prior to enrolment. At the discretion of the Head of School and Dean, such credit may be granted on the following conditions:
   (a) Postgraduate students must complete at least 50% of their course requirements from units of study listed in the table of units specified for their course.
   (b) Where students outside the University of Sydney Law School are permitted to transfer their enrolment to a postgraduate course in the University of Sydney Law School, the Head of School and Dean may grant credit for previous studies of up to 50% of the requirements of their course.
   (c) Subject to paragraph (a), the Head of School and Dean may permit postgraduate students to satisfy up to 25% of their course requirements from units of study previously completed in the School on a non-award basis. The value of credit may not exceed 25% of the student's course requirements.
   (d) Credit will not be given for units of study which are or have been credited towards the award of another course, except:
   (i) postgraduate students who have graduated with a graduate diploma previously awarded by the University of Sydney Law School, may apply to have relevant units from that graduate diploma credited towards a master's degree in the University of Sydney Law School; and
   (ii) Master of Laws students Students who are Bachelor of Laws or Juris Doctor graduates or graduates of the University of Sydney, and who have completed Sydney Law School LAWS6000/JURS6000 units of study as part of their Bachelor of Laws or Juris Doctor courses, may apply to have up to 12 credit points of such units of study credited towards a Graduate Diploma in Law and 24 credit points of such units of study credited towards a Master of Laws.
   (e) Postgraduate students may not enrol in units of study for credit to a course which are, in the opinion of the Head of School and Dean, substantially similar to other units of study for which credit has been given.
   (f) The subject matter of the units of study for which credit is sought must, in the opinion of the Head of School and Dean, be sufficiently relevant to the course of study in which the student is currently enrolled.
(g) The work completed for the other course must, in the opinion of the Head of School and Dean, be of a sufficient standard.

(h) Credit may not be given for previous or current work which takes the form of a supervised or unsupervised independent research project. However, this provision does not apply to a coursework unit that is assessed partly or wholly by a research paper.

(i) Postgraduate students who are given such credit are not thereby exempted from fulfilling the requirements for that award course, including the completion of any compulsory units that currently apply.

(ii) Resolutions of the Master of Laws and Graduate Diploma of Law

7 Credit for Previous Study
Students who are Bachelor of Laws or Juris Doctor graduates or graduands of the University of Sydney and who completed Sydney Law School LAWS6000/JURS6000 units of study as part of their Bachelor of Laws or Juris Doctor courses may apply to have up to 12 credit points of such units of study credited towards a Graduate Diploma in Law and 24 credit points of such units of study credited towards a Master of Laws.

(a) Credit may only be granted upon satisfactory completion at Sydney Law School of a minimum of 24 credit points of units of study undertaken at Sydney Law School while enrolled in the Graduate Diploma in Law and 24 credit points in the Master of Laws.

8 Course transfer
A candidate for the master's degree may elect to discontinue study and graduate with the shorter award from this embedded sequence, with the approval of the Head of School and Dean, and provided the requirements of the shorter award have been met.

(a) Credit towards the shorter award will not be awarded for LAWS6000/JURS6000 units of study undertaken as part of the student's Bachelor of Laws or Juris Doctor.

3. Transitional arrangements

NA

4. Other relevant information

NA

6. Signature of Dean

Prof Cameron Stewart
Acting Head of School and Acting Dean

Date 9/4/2019
Graduate Diploma in Law

Master of Laws

These resolutions must be read in conjunction with applicable University By-laws, Rules and policies including (but not limited to) the University of Sydney (Coursework) Rule 2014 (the 'Coursework Rule'), the Coursework Policy 2014, the Resolutions of the School, the University of Sydney (Student Appeals against Academic Decisions) Rule 2006 (as amended), the Academic Honesty in Coursework Policy 2015 and the Academic Honesty Procedures 2016. Up to date versions of all such documents are available from the Policy Register: http://sydney.edu.au/policies.

Course resolutions

1 Course codes

<table>
<thead>
<tr>
<th>Code</th>
<th>Course title</th>
</tr>
</thead>
<tbody>
<tr>
<td>GNLAWLAW-01</td>
<td>Graduate Diploma in Law</td>
</tr>
<tr>
<td>MALAWLAW-04</td>
<td>Master of Laws</td>
</tr>
</tbody>
</table>

2 Attendance pattern

The attendance pattern for these courses is full-time or part-time according to candidate choice.

3 Master's type

The master's degree in these resolutions is an advanced learning master's degree, as defined by the Coursework Rule.

4 Embedded courses in this sequence

(1) The embedded courses in this sequence are:
   (a) the Graduate Diploma in Law
   (b) the Master of Laws

(2) Provided that candidates satisfy the admission requirements for each stage, a candidate may progress to the award of either of the courses in this sequence. Only the longer award completed will be conferred.

5 Admission to candidature

(1) Available places will be offered to qualified applicants based on merit, according to the following admissions criteria.

(2) Admission to candidacy for the Graduate Diploma in Law requires a Bachelor of Laws or Juris Doctor from the University of Sydney, or an equivalent qualification.

(3) Admission to candidacy for the Master of Laws requires:
   (a) a Bachelor of Laws or Juris Doctor with a minimum credit average from the University of Sydney; or an equivalent qualification; or
   (b) completion of the requirements of an embedded graduate diploma with a minimum credit average, or an equivalent qualification.

6 Requirements for award

(1) The units of study that may be taken for the courses are set out in the table of units of study for the Master of Laws.

(2) To qualify for the award of the Graduate Diploma in Law, a candidate must complete 24 credit points.

(3) To qualify for the award of the Master of Laws, a candidate must complete 48 credit points, including at least one unit of study in which the assessment consists substantially of a long research essay (7,000-10,000 words in length) (capstone experience).

7 Credit for Previous Study

Students who are Bachelor of Laws or Juris Doctor graduates or graduands of the University of Sydney and who completed Sydney Law School LAWS6000/JURS6000 units of study as part of their Bachelor of Laws or Juris Doctor courses may apply to have up to 12 credit points of such units of study credited towards a Graduate Diploma in Law and 24 credit points of such units of study credited towards a Master of Laws.

(a) Credit may only be granted upon satisfactory completion at Sydney Law School of a minimum of 12 credit points of units of study undertaken at Sydney Law School while enrolled in the Graduate Diploma in Law and 24 credit points in the Master of Laws.

8 Course transfer

A candidate for the master's degree may elect to discontinue study and graduate with the shorter award from this embedded sequence, with the approval of the Head of School and Dean, and provided the requirements of the shorter award have been met.

(a) Credit towards the shorter award will not be awarded for LAWS6000/JURS6000 units of study undertaken as part of the student's Bachelor of Laws or Juris Doctor.

9 Transitional provisions

(1) These resolutions apply to students who commenced their candidature on or after 1 January 2018.

(2) Students who commenced prior to 1 January 2018 will complete the requirements in accordance with the resolutions in force at the time of their commencement. The School may specify a later date for completion or specify alternative requirements for completion of candidatures that extend beyond the prescribed time limit.
Resolutions of The University of Sydney Law School for coursework awards

These resolutions apply to all undergraduate and postgraduate coursework award courses in the School, unless specifically indicated otherwise. Students enrolled in postgraduate research awards should consult the resolutions for their course. These resolutions must be read in conjunction with applicable University By-laws, Rules and policies including (but not limited to) the University of Sydney (Coursework) Rule 2014 (the ‘Coursework Rule’), the resolutions for the course of enrolment, the University of Sydney (Student Appeals against Academic Decisions) Rule 2006 (as amended), the Academic Honesty in Coursework Policy 2015 and the Academic Honesty Procedures 2016. Up to date versions of all such documents are available from the Policy Register: http://sydney.edu.au/policies.

In the context of these resolutions, “postgraduate” refers to Advanced Learning and Professional Master's degrees and Graduate Diplomas. It does not refer to the Juris Doctor which is identified by name where appropriate.

Part 1: Course enrolment

1. Enrolment restrictions

   (1) Except with the permission of the Head of School and Dean, a student may not enrol in units of study with a total value of more than 24 credit points per semester. Further to this, undergraduate and Juris Doctor students may not enrol in more than 12 credit points in the summer session or 6 credit points in the winter session.

   (2) Units of study in excess of a student's award course requirements will be taken on a full fee, non-award basis. For undergraduate and Juris Doctor students the results from these non-award units will not be included in the calculation of the WAM.

2. Time limits

   (1) A student must complete all requirements for a master's degree within 6 calendar years from first enrolment. Part time students should ensure their enrolment pattern allows completion within the maximum time.

   (2) A student must complete all requirements for a graduate diploma within 3 calendar years from first enrolment. Part time students should ensure their enrolment pattern allows completion within the maximum time.

   (3) A student must complete all requirements for the Juris Doctor degree within ten calendar years from first enrolment.

   (4) A student must complete all requirements for a bachelor's degree (including combined degrees) within ten calendar years from first enrolment.

   (5) Periods of suspension, exclusion or lapsed candidature will be added to maximum completion times except that no completion time will exceed 10 years from first enrolment.

   (6) Credit will not be granted for previous studies older than 10 years at the time of first enrolment.

   (7) If a postgraduate student is admitted with credit, the School will determine a reduced time limit for completion of the award course.

3. Suspension, discontinuation and lapse of candidature

   The Coursework Rule specifies the conditions for suspending or discontinuing candidature, and return to candidature after these events. The Rule also defines the circumstances when candidature is deemed to have lapsed. Students should pay careful attention to the significant dates in these processes and their effect on results and financial liability. Students should refer to the relevant course resolutions for further detail on the criteria for approving suspensions of candidature.

4. Credit for previous study

   (1) The Coursework Rule specifies the general conditions for the granting of credit for previous study towards courses in this School. Advice regarding the granting of credit for undergraduate courses and the Juris Doctor can be found in the relevant course resolutions.

   (a) Postgraduate students may apply for credit for units of study completed outside the School. Previous study may include study completed prior to enrolment. At the discretion of the Head of School and Dean, such credit may be granted on the following conditions:

   (i) Postgraduate students must complete at least 50% of their course requirements from units of study listed in the table of units specified for their course.

   (b) Where students outside the University of Sydney Law School are permitted to transfer their enrolment to a postgraduate course in the University of Sydney Law School, the Head of School and Dean may grant credit for previous studies of up to 50% of the requirements of their course.

   (c) Subject to paragraph (a), the Head of School and Dean may permit postgraduate students to satisfy up to 25% of their course requirements from units of study previously completed in the School on a non-award basis. The value of credit may not exceed 25% of the student's course requirements.

   (d) Credit will not be given for units of study which are or have been credited towards the award of another course, except:

   (i) Postgraduate students who have graduated with a graduate diploma previously awarded by the University of Sydney Law School, may apply to have relevant units from that graduate diploma credited towards a master's degree in the University of Sydney Law School; and

   (ii) postgraduate students who are Bachelor of Laws or Juris Doctor graduates or graduands of the University of Sydney and who have completed Sydney Law School LAWS6000/JURS6000 units of study as part of their Bachelor of Laws or Juris Doctor courses, may apply to have up to 12 credit points of such units of study credited towards a Graduate Diploma in Law and 24 credit points of such units of study credited towards a Master of Laws.

   (e) Postgraduate students may not enrol in units of study for credit to a course which are, in the opinion of the Head of School and Dean, substantially similar to other units of study for which credit has been given.

   (f) The subject matter of the units of study for which credit is sought must, in the opinion of the Head of School and Dean, be sufficiently relevant to the course of study in which the student is currently enrolled.

   (g) The work completed for the other course must, in the opinion of the Head of School and Dean, be of a sufficient standard.

   (h) Credit may not be given for previous or current work which takes the form of a supervised or unsupervised independent research project. However, this provision does not apply to a coursework unit that is assessed partly or wholly by a research paper.
Part 2: Unit of study enrolment

Details on Units of Study

(1) All units will be offered as either one semester in duration or in intensive mode. An undergraduate unit and a Juris Doctor unit will require 39 hours of tuition for core units and between 26 and 39 hours for electives, and a postgraduate unit will require approximately 26 hours of tuition.

(2) Undergraduate and Juris Doctor students must satisfy the Jurisprudence requirement of their award courses by successfully completing an elective from the relevant Jurisprudence table (Part 2 of the Undergraduate Table and Part C of the Juris Doctor Table). A unit is included in the Jurisprudence tables if theoretical reflection on law as such is its primary goal.

Postgraduate students enrolling in units of study other than those specified for their course

(1) Subject to paragraph (b), the Head of School and Dean may permit postgraduate students to satisfy up to 25% of their course requirements from units of study within the University of Sydney Law School but outside the table of units specified for their course, subject to the following conditions:
   (a) that they have the relevant academic or professional background to undertake the unit(s);
   (b) the relevance of the unit(s) to their studies.
   (2) Postgraduate students must complete at least 50% of their course requirements from units of study listed in the table of units specified for their course.

7 Postgraduate students enrolling in Juris Doctor units of study

(1) Postgraduate students may, with the permission of the Head of School and Dean, enrol in one designated Juris Doctor unit for credit towards the elective requirements of their award course subject to the following conditions:
   (a) The unit of study would enhance their area of specialisation or otherwise contribute to their program of postgraduate learning. Approval will not be granted where a suitable unit is taught within the postgraduate program.
   (b) Students may not enrol in the unit of study, Foundations of Law, on equivalent unit.
   (2) Students will be required to comply with any alternative assessment requirements imposed (normally including a research paper representing no less than 60% of the assessment requirements for the unit of study).

Cross-institutional study

The Head of School and Dean may permit a student to complete a unit of study at another recognised institution and have that unit credited to the student's course requirements. Cross-institutional study is available subject to the following terms, unless specified in the course resolutions:

(1) the unit of study is not used to satisfy any compulsory requirement; and
(2) the unit of study content is not taught in any corresponding elective unit of study in the School; or
(3) the student is unable, for good reason, to attend a corresponding unit of study in the School; and
(4) the unit of study is taught in English at the required level and offered as part of an equivalent award course at the other institution;
(5) the unit of study has similar assessment requirements to units offered by the School; and
(6) the results from the cross-institutional unit(s) will not be included in the calculation of a student's WAM.

International exchange

The School encourages undergraduate and Juris Doctor students to participate in international exchange programs.

(1) The following conditions apply:
   (a) Undergraduate and Juris Doctor students are only eligible to undertake a law exchange in their final year;
   (b) Students are not permitted to undertake more than one semester on exchange;
   (c) Students are not permitted to undertake any of their compulsory requirements, including Jurisprudence, on exchange;
   (d) Results from the exchange will not be included in the calculation of a student's WAM.

Part 3: Studying and assessment

Assessment guidelines

(1) The assessment regime of each unit of study will include more than one form of assessment, or at least the option of a second form of assessment.
   (a) The total number of assessable words for a unit of study assessed by assignments and/or take-home exams is 6000 words.
   (b) Sit-down exams should not exceed 2 hours, unless a longer time has been approved by the Pro-Dean.
   (c) "Free form" class participation must not amount to more than 10% of total assessment, but *structured class participation* may be weighted more heavily. A mark will not be assigned for free-form class participation where class size exceeds 25.
   (e) Jointly assessed work must be approved by the Pro-Dean and must not exceed 30% of total assessment.

Juris Doctor

(a) The assessment regime of each unit of study will include more than one form of assessment, or at least the option of a second form of assessment.
   (b) The total number of assessable words for a unit of study assessed by assignments and/or take-home exams is 6000 words.
   (c) Sit-down exams should not exceed 2 hours, unless a longer time has been approved by the Pro-Dean.
   (d) "Free form" class participation must not amount to more than 10% of total assessment, but *structured class participation* may be weighted more heavily. A mark will not be assigned for free-form class participation where class size exceeds 25.
   (e) Jointly assessed work must be approved by the Pro-Dean, and must not exceed 30% of total assessment.

11 Attendance

(1) Students are required to attend a minimum of 70% of timetabled activities for a unit of study. Participation in a minimum number of assessment items or days of class may be included in the requirements specified for a unit of study. The Head of School and Dean may determine that a student fails a unit of study or is excluded from sitting the final examination because of unsatisfactory attendance.
(2) In the case of serious illness, injury or misadventure, a student may have their attendance requirement reduced or waived by the relevant lecturer, subject to the meeting all assessment requirements and providing satisfactory supporting documentation.
(3) Students are required to be in attendance at the correct time and place of any formal or informal examinations. Non-attendance on any grounds insufficient to claim special consideration will result in the forfeiture of marks associated with the assessment.
Late submission policy
(1) It is expected that, unless an application for special consideration has been approved, students will submit all assessment for a unit of study on the due date specified. If an extension has been granted and the assessment is submitted within the period of extension, no academic penalty will be applied to that assessment task.
(2) If an extension is either not sought, not granted or is granted but work is submitted after the extended due date, the relevant lecturer may not accept the work. A retrospective extension will only be granted in special circumstances, and will take into account not only the reasons why the work was late, but also why the request was late.
(3) The following penalty applies, unless a different regime is set out in the unit outline:
The late submission of an assessment which has not been granted an extension will attract a penalty of 10% of the total marks allocated to that assessment per calendar day or part thereof.
(4) All penalties will be enforced as consistently as possible. If the application of the penalty is to result in an overall fail grade for a unit of study, lecturers retain discretion to review the whole of a student's performance and all of the circumstances in deciding whether or not to award a bare pass. Lecturers may set a deadline after which no work will be accepted, which is normally the date they intend to return the marked assessment to students.

Word limit policy
(1) The total word count for essays/written work should exclude the bibliography, footnote numbers and footnote citations, but discursive footnotes and quotations are included.
(2) In undergraduate and Juris Doctor units of study, an assessment which exceeds the word limit will attract a penalty of 10% of the total marks allocated to that assessment for every 100 words (or part thereof) over the limit (unless a different regime is set out in the unit outline or assessment instructions). Postgraduate students should refer to individual unit outlines.

Special consideration for illness, injury or misadventure
(1) Special consideration is a process that affords equal opportunity to students who have experienced circumstances that adversely impact their ability to complete an assessment task in a unit of study. The Coursework Rule provides full details of the University policy. The School's policies and procedures for applying for special consideration are described on the School website and in unit of study outlines.
(2) When a student experiences serious illness, injury, or misadventure that affects their ability to participate in assessment items, they may complete an application for special consideration. When the circumstances are so severe as to make completion of the unit(s) of study impossible, it may be more appropriate for the student to apply to discontinue from the units with permission.
(3) If a student disagrees with the outcome of an application for special consideration they should follow the steps outlined in the policy for appeals against academic decisions.

Concessional pass
In this School, the grade PCON (Concessional Pass) is not awarded.

Re-assessment
(1) The School does not offer opportunities for reassessment other than on the grounds of approved special consideration. However, at the discretion of the Head of School and Dean, an undergraduate or Juris Doctor student may be offered a supplementary exam if they have met all of the following conditions:
(a) the student has failed no more than one unit of study; and
(b) the unit is a compulsory unit of study; and
(c) the unit of study was undertaken in what would otherwise be the student's final semester.
(2) All supplementary exams will be taken within two weeks of the release of marks.

Part 4: Progression, results and graduation

Satisfactory progress
(1) The School will monitor students for satisfactory progress towards the completion of their award course. Under the University's Student Academic Progression policy, the School aims to identify students at academic risk; alert them to their status; provide assistance to these students; and track their progress once identified.
(2) In this School, a student enrolled in an award course administered by the University of Sydney Law School will be deemed not to have made satisfactory progress in any semester for any of the following reasons:
(a) (i) where the student is enrolled in a Bachelor of Laws or Juris Doctor degree: the student successfully completes only 50 percent or less of the credit points for which they were enrolled as at the relevant census date; and
(b) (ii) for all other students: the student successfully completes less than 50 percent of the credit points for which they were enrolled as at the relevant census date;
(b) they fail a unit of study more than once;
(c) they achieve an average mark of less than fifty for all law units undertaken;
(d) they fail to meet progression requirements as listed in the course resolutions.

Weighted Average Mark (WAM)
(1) The Weighted Average Mark is used by the University as one indicator of performance. In this School the University WAM is used to determine eligibility for prizes and scholarships; admission to honours; and to calculate a final graduating rank for undergraduate and Juris Doctor students.
(2) The WAM is calculated on results obtained at the University of Sydney only. Units which have been credited from other law schools, or units undertaken on a student exchange program, will not be included in the WAM calculation.
(3) The University WAM is calculated using the following formula:

\[
WAM = \frac{\sum (Wc \times Mc)}{\sum (Wc)}
\]

Where Wc is the unit of study credit points x the unit weighting and Mc is the mark achieved for the unit. Units of study with a result of Absent Fail (AF) or Discontinue - Fail or (DF) are assigned a mark of zero, for the purpose of the WAM calculation. Units of study assessed on a pass/fail basis are not counted.

(4) The weight of a unit of study is assigned by the owning Faculty or School. In this School units are weighted with a value of one.

Part 5: Other

Special Permission
The Head of School and Dean may vary these resolutions for a particular student in exceptional circumstances.
20 Transitional provisions

(1) These resolutions apply to students who commenced their candidature on or after 1 January, 2019.

(2) Subject to sub-rule (3), students who commenced prior to 1 January, 2019 will complete the requirements in accordance with the resolutions in force at the time of their commencement, provided that requirements are completed by 1 January, 2023. The School may specify a later date for completion or specify alternative requirements for completion of candidatures that extend beyond this time.

(3) For all students who commenced their candidature prior to 1 January 2019, satisfactory progress will be determined according to the requirements stated in clause 17 of these resolutions.
Non-Confidential

<table>
<thead>
<tr>
<th>Author</th>
<th>Veronica Boulton, Head of Education, Faculty of Science</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reviewer/Approver</td>
<td>Professor Pauline Ross, Associate Dean, Education</td>
</tr>
<tr>
<td>Paper title</td>
<td>Bachelor of Veterinary Biology/ Doctor of Veterinary Medicine and Doctor of Veterinary Medicine unit of study Tables</td>
</tr>
</tbody>
</table>

**Purpose**

In plain language, provide the purpose of the submission (do not use acronyms, abbreviations or technical language). Content should be 1-2 sentences in length.

To amend the Bachelor of Veterinary Biology/ Doctor of Veterinary Medicine and the Doctor of Veterinary Medicine unit of study tables to incorporate new zero credit point units of study.

**RECOMMENDATION**

That the Graduate Studies Committee recommend that the Academic Board:

1. approve the proposal from the Faculty of Science to amend the Bachelor of Veterinary Biology/ Doctor of Veterinary Medicine and the Doctor of Veterinary Medicine; and
2. approve the amendment of the unit of study tables arising from the proposal, with effect from 1 January 2020.

**EXECUTIVE SUMMARY**

The proposed changes include updating the unit of study tables to incorporate new zero credit point units of study for mandatory placements that are part of the DVM program in Years 1-3 (Years 3-5 of the BVB/DVM). These include Industry Placement, Preparatory Clinical Placement and Abattoir Placement Units of Study.

**IMPLEMENTATION**

For implementation commencing 1 January 2020. New Units of Study will be reported to Academic Model as part of New Unit reporting in 2019. The SITS diet will need to be updated with the new Unit of Study codes. Creation of new collections and inclusion of help-text should be in line with the proposed changes as listed in the table below. The updated tables will be included in the 2020 Undergraduate and Postgraduate Handbooks respectively.

**ATTACHMENTS**

1. Minor Course Amendment Proposal
2. Bachelor of Veterinary Biology/ Doctor of Veterinary Medicine and the Doctor of Veterinary Medicine unit of study tables
Minor Course Amendment Proposal

Faculty: Faculty of Science, Sydney School of Veterinary Science

Contact person: Dr. Bianca Waud, Postgraduate Program Director DVM

1. **Name of award course**
   - Bachelor of Veterinary Biology/Doctor of Veterinary Medicine
   - Doctor of Veterinary Medicine

2. **Purpose of proposal**
   To amend the Sydney School of Veterinary Science unit of study table to:
   - Incorporate new units of study for mandatory placements that are part of the DVM program.
   - Provide a correct representation of required pre- and co-requisites for DVM Year 3 clinical units of study.

   The placements (Industry, Preparatory Clinical Placement and Abattoir) are mandatory requirements for the Doctor of Veterinary Medicine and are mandated by the accrediting bodies (Australian Veterinary Board Council, American Veterinary Medical Association and the Royal College of Veterinary Surgeons). Placements are currently managed manually.

   DVM Year 3 addresses clinical management of animal health and disease and VETS6302 Clinical Foundations has to be taken at the same time as all other units prescribed. The unit provides in-time foundational knowledge and skills required to ensure compliance with Animal Welfare legislation and Work, Health and Safety rules.

3. **Details of amendment**
   - Inclusion of new units of study for placements
   - List VETS6302 as a co-requisite to VETS6303, VETS6304, VETS6306

4. **Transitional arrangements**
   - No transitional arrangements are required.

5. **Other relevant information**

6. **Signature of Dean**

   Signature: [Signature Image]

   Prof Ian M Young
   Dean, Faculty of Science
## Bachelor of Veterinary Biology/Doctor of Veterinary Medicine

### Year 1

Year 1 has the following 48 credit point structure: a core (36 credit points), and electives (12 credit points) selected from the lists below.

### Core Units of Study

<table>
<thead>
<tr>
<th>Unit of Study</th>
<th>Credit points</th>
<th>A: Assumed knowledge</th>
<th>P: Prerequisites</th>
<th>C: Corequisites</th>
<th>N: Prohibition</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL1006 Life and Evolution</td>
<td>6</td>
<td>A HSC Biology. Students who have not completed HSC Biology (or equivalent) are strongly advised to take the Biology Bridging Course (offered in February).</td>
<td></td>
<td></td>
<td>N BIOL1001 or BIOL1911 or BIOL1991 or BIOL1906 or BIOL1996</td>
<td>Semester 1</td>
</tr>
<tr>
<td>or</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOL1906 Life and Evolution (Advanced)</td>
<td>6</td>
<td>A 85 or above in HSC Biology or equivalent.</td>
<td></td>
<td></td>
<td>N BIOL1001 or BIOL1911 or BIOL1991 or BIOL1906 or BIOL1996</td>
<td>Semester 1</td>
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<td></td>
<td>Note: Department permission required for enrolment</td>
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<td>or</td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOL1996 Life and Evolution (SSP)</td>
<td>6</td>
<td>A 90 or above in HSC Biology or equivalent</td>
<td></td>
<td></td>
<td>N BIOL1001 or BIOL1911 or BIOL1991 or BIOL1906 or BIOL1993 or BIOL1998</td>
<td>Semester 1</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Note: Department permission required for enrolment</td>
<td></td>
</tr>
<tr>
<td>BIOL1007 From Molecules to Ecosystems</td>
<td>6</td>
<td>A HSC Biology. Students who have not completed HSC Biology (or equivalent) are strongly advised to take the Biology Bridging Course (offered in February).</td>
<td></td>
<td></td>
<td>N BIOL1907 or BIOL1997</td>
<td>Semester 2</td>
</tr>
<tr>
<td>or</td>
<td></td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOL1907 From Molecules to Ecosystems (Advanced)</td>
<td>6</td>
<td>A 85 or above in HSC Biology or equivalent</td>
<td></td>
<td></td>
<td>N BIOL1007 or BIOL1997</td>
<td>Semester 2</td>
</tr>
<tr>
<td></td>
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<td>Note: Department permission required for enrolment</td>
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<td>or</td>
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</tr>
<tr>
<td>BIOL1997 From Molecules to Ecosystems (SSP)</td>
<td>6</td>
<td>A 90 or above in HSC Biology or equivalent</td>
<td></td>
<td></td>
<td>N BIOL1007 or BIOL1907</td>
<td>Semester 2</td>
</tr>
</tbody>
</table>
Students who have not completed secondary school chemistry are strongly advised to instead complete Fundamentals of Chemistry 1A in the first semester of the calendar year (unless you require 12 credit points of Chemistry and are commencing in semester 2). You should also take the Chemistry Bridging Course in advance (offered in February, and online year-round http://sydney.edu.au/science/chemistry/studying-chemistry/bridging-course.shtml).

<table>
<thead>
<tr>
<th>Unit Code</th>
<th>Title</th>
<th>Credit Points</th>
<th>Prerequisites</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM1111 Chemistry 1A</td>
<td>6</td>
<td>A Students who have not completed HSC Chemistry (or equivalent) and HSC Mathematics (or equivalent) are strongly advised to take the Chemistry and Mathematics Bridging Courses (offered in February) N CHEM1001 or CHEM1101 or CHEM1901 or CHEM1903 or CHEM1109 or CHEM1011 or CHEM1911 or CHEM1991</td>
<td>Semester 1 or 2 or Summer Main</td>
<td></td>
</tr>
<tr>
<td>CHEM1911 Chemistry 1A (Advanced)</td>
<td>6</td>
<td>A 80 or above in HSC Chemistry or equivalent N CHEM1001 or CHEM1101 or CHEM1901 or CHEM1903 or CHEM1109 or CHEM1011 or CHEM1111 or CHEM1991</td>
<td>Semester 1</td>
<td>Note: Department permission required for enrolment</td>
</tr>
<tr>
<td>CHEM1991 Chemistry 1A (Special Studies Program)</td>
<td>6</td>
<td>A 90 or above in HSC Chemistry or equivalent N CHEM1001 or CHEM1101 or CHEM1901 or CHEM1903 or CHEM1109 or CHEM1011 or CHEM1111 or CHEM1991</td>
<td>Semester 1</td>
<td>Note: Department permission required for enrolment</td>
</tr>
<tr>
<td>CHEM1112 Chemistry 1B</td>
<td>6</td>
<td>P CHEM1111 or CHEM1911 or CHEM1991 or CHEM1101 or CHEM1901 or CHEM1903 or (75 or above in CHEM1011 or CHEM1001) N CHEM1002 or CHEM1102 or CHEM1902 or CHEM1904 or CHEM1108 or CHEM1012 or CHEM1912 or CHEM1992</td>
<td>Semester 1 or 2 or Summer Main</td>
<td></td>
</tr>
<tr>
<td>CHEM1912 Chemistry 1B (Advanced)</td>
<td>6</td>
<td>P CHEM1911 or CHEM1991 or CHEM1901 or CHEM1903 or (75 or above in CHEM1111 or CHEM1101) or (90 or above in HSC Chemistry or equivalent) N CHEM1002 or CHEM1102 or CHEM1902 or CHEM1904 or CHEM1108 or CHEM1012 or CHEM1112 or CHEM1992</td>
<td>Semester 2</td>
<td>Students who commence in semester 2 are strongly advised that you would be better served by taking the mainstream level units in sequence, Chemistry 1A before Chemistry 1B, rather than the Advanced units in the opposite order.</td>
</tr>
<tr>
<td>CHEM1992 Chemistry 1B (Special Studies Program)</td>
<td>6</td>
<td>P 75 or above in CHEM1991 or CHEM1903 or (90 or above in HSC Chemistry or equivalent) N CHEM1002 or CHEM1102 or CHEM1902 or CHEM1904 or CHEM1108 or CHEM1012 or CHEM1112 or CHEM1912</td>
<td>Semester 2</td>
<td>Entry is by invitation. This unit of study is deemed to be an Advanced unit of study. Students who commence in semester 2 are strongly advised that you would be better served by taking the mainstream level units in sequence, Chemistry 1A before Chemistry 1B, rather than the Special Studies Program units in the opposite order.</td>
</tr>
<tr>
<td>Code</td>
<td>Unit Title</td>
<td>Credit Points</td>
<td>Prerequisites</td>
<td>Semester</td>
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<tr>
<td>----------</td>
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<td>----------------------------------------------------</td>
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</tr>
<tr>
<td>ENVX1002</td>
<td>Introduction to Statistical Methods</td>
<td>6</td>
<td>N ENVX1001 or MATH1005 or MATH1905 or MATH1015 or MATH1115 or DATA1001 or DATA1901 or BUSS1020 or STAT1021 or ECOM1010</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Available as a degree core unit only in the Agriculture, Animal and Veterinary Bioscience, and Food and Agribusiness streams</td>
<td></td>
</tr>
<tr>
<td>AVBS1002</td>
<td>Concepts of Animal Management</td>
<td>6</td>
<td>A AGEN1004 or BIOL1XXX or AVBS1003 N AGEN2006</td>
<td>2</td>
</tr>
</tbody>
</table>

Or (for students who commenced the course in or before 2017)

<table>
<thead>
<tr>
<th>Code</th>
<th>Unit Title</th>
<th>Credit Points</th>
<th>Prerequisites</th>
<th>Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>AVBS1003</td>
<td>Animals and Us</td>
<td>6</td>
<td></td>
<td>1</td>
</tr>
</tbody>
</table>

Electives

Bachelor of Animal and Veterinary Bioscience (Progression Strategy) for students who commenced the course in or before 2017

<table>
<thead>
<tr>
<th>Code</th>
<th>Unit Title</th>
<th>Credit Points</th>
<th>Prerequisites</th>
<th>Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENVI1003</td>
<td>Global Challenges: Food, Water, Climate</td>
<td>6</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>AVBS1002</td>
<td>Concepts of Animal Management</td>
<td>6</td>
<td>A AGEN1004 or BIOL1XXX or AVBS1003 N AGEN2006</td>
<td>2</td>
</tr>
</tbody>
</table>

Bachelor of Science (Progression Strategy) for students who commenced the course in or before 2017

<table>
<thead>
<tr>
<th>Code</th>
<th>Unit Title</th>
<th>Credit Points</th>
<th>Prerequisites</th>
<th>Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOS1001</td>
<td>Earth, Environment and Society</td>
<td>6</td>
<td>N GEOS1901 or GEOG1001 or GEOG1002 or GEOL1001 or GEOL1002 or GEOL1902 or ENSY1001</td>
<td>1</td>
</tr>
<tr>
<td>PSYC1001</td>
<td>Psychology 1001</td>
<td>6</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>This unit is also offered in the Sydney Summer School. For more information consult the web site: <a href="http://sydney.edu.au/summer/">http://sydney.edu.au/summer/</a></td>
<td>Summer Main</td>
</tr>
<tr>
<td>PHYS1001</td>
<td>Physics 1 (Regular)</td>
<td>6</td>
<td>A HSC Physics or PHYS1003 or PHYS1004 or PHYS1902 or equivalent. Students who have not completed HSC Physics (or equivalent) are strongly advised to take the Physics Bridging Course (offered in February). Students are also encouraged to take MATH1X21 or MATH1931 or MATH1X01 or MATH1906) and MATH1X02 concurrently. N PHYS1002 or PHYS1901 or EDUH1017 or PHYS1903</td>
<td>Semester 1</td>
</tr>
<tr>
<td>PHYS1004</td>
<td>Physics 1 (Environmental and Life Science)</td>
<td>6</td>
<td>A HSC Physics or PHYS1001 or PHYS1002 or PHYS1901 or equivalent. Students who have not completed HSC Physics (or equivalent) are strongly advised to take the Physics Bridging Course (offered in February). Students are also encouraged to take</td>
<td>Semester 2</td>
</tr>
</tbody>
</table>
(MATH1X23 or MATH1933 or MATH1X03 or MATH1907) and MATH1X05 concurrently.

PHYS1003 or PHYS1902 or PHYS1904

It is recommended that PHYS1001 or PHYS1002 or PHYS1901 be completed before this unit

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Prerequisites</th>
<th>Corequisites</th>
<th>Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH1004</td>
<td>Discrete Mathematics</td>
<td>3</td>
<td>HSC Mathematics or MATH1111. Students who have not completed HSC Mathematics (or equivalent) are strongly advised to take the Mathematics Bridging Course (offered in February).</td>
<td>MATH1904 or MATH1064 or MATH2011</td>
<td>2</td>
</tr>
<tr>
<td>MATH1013</td>
<td>Mathematical Modelling</td>
<td>3</td>
<td>HSC Mathematics or a credit or higher in MATH1111. Students who have not completed HSC Mathematics (or equivalent) are strongly advised to take the Mathematics Bridging Course (offered in February). Please note: this unit does not normally lead to a major in Mathematics or Statistics or Financial Mathematics and Statistics.</td>
<td>MATH1003 or MATH1903 or MATH1907 or MATH1023 or MATH1923 or MATH1933</td>
<td>2 or</td>
</tr>
<tr>
<td>MATH1014</td>
<td>Introduction to Linear Algebra</td>
<td>3</td>
<td>HSC Mathematics or MATH1111. Students who have not completed HSC Mathematics (or equivalent) are strongly advised to take the Mathematics Bridging Course (offered in February). Please note: this unit does not normally lead to a major in Mathematics or Statistics or Financial Mathematics and Statistics.</td>
<td>MATH1012 or MATH1002 or MATH1902</td>
<td>2 or</td>
</tr>
</tbody>
</table>

Bachelor of Science/Bachelor of Advanced Studies (Animal and Veterinary Bioscience) (Progression Strategy) for students commencing the course in or after 2018

AVBS1003 Animals and Us 6 Semester 1

And 6 credit points of 1000-level units from any of the areas of study listed in Science Table A

Bachelor of Science (Progression Strategy) for students commencing the course in or after 2018

6 credit points of MATH1XXX units from the BSc Core units of study, and

6 credit points of 1000-level units from any of the areas of study listed in Science Table A, excluding Mathematics units of study

Year 2

Year 2 has the following 48 credit point structure: a core (30 credit points), and electives (18 credit points) selected from the lists below.

Core Units of Study for students commencing the course in or after 2018

AVBS2001 Introductory Veterinary Pathogenesis 6 A The basic structure, morphology, metabolism and behaviour of bacteria, viruses, and fungi. Fundamental histological structure and function of cells and key tissues, including blood vessels, skin, liver, lung, kidneys, intestine, and organs and cells of the immune system (lymph node, spleen, white blood cells). Semester 2
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
<th>Prerequisites</th>
<th>Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>AVBS2004</td>
<td>Animal Nutrition</td>
<td>6</td>
<td>P 12cp of (BIOL1XX6 or BIOL1XX7 or BIOL1XX1 or BIOL1XX2 or MBLG1XX1)</td>
<td>Semester 2</td>
</tr>
<tr>
<td>AVBS2005</td>
<td>Animal Energetics and Homeostasis</td>
<td>6</td>
<td>Knowledge and concepts from BIOL1XX7</td>
<td>Semester 1</td>
</tr>
<tr>
<td>AVBS2007</td>
<td>Animal Structure and Function</td>
<td>6</td>
<td>P 6cp from BIOL1XX</td>
<td>Semester 1</td>
</tr>
<tr>
<td>GEGE2001</td>
<td>Genetics and Genomics</td>
<td>6</td>
<td>A Mendellian genetics, mechanisms of evolution, molecular and chromosomal bases of inheritance, and gene regulation and expression. N GENE2002 or MBLG2972 or GEGE2901 or MBLG2072</td>
<td>Semester 1, Semester 2</td>
</tr>
<tr>
<td>or</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>GEGE2901</td>
<td>Genetics and Genomics (Advanced)</td>
<td>6</td>
<td>A Mendellian genetics, mechanisms of evolution, molecular and chromosomal bases of inheritance, and gene regulation and expression. P Annual average mark of at least 70 N GENE2002 or MBLG2072 or GEGE2001 or MBLG2972</td>
<td>Semester 1, Semester 2</td>
</tr>
</tbody>
</table>

**Core Units of Study for students who commenced the course in or before 2017**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
<th>Prerequisites</th>
<th>Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>AVBS2001</td>
<td>Introductory Veterinary Pathogenesis</td>
<td>6</td>
<td>A The basic structure, morphology, metabolism and behaviour of bacteria, viruses, and fungi. Fundamental histological structure and function of cells and key tissues, including blood vessels, skin, liver, lung, kidneys, intestine, and organs and cells of the immune system (lymph node, spleen, white blood cells), P 12cp of (BIOL1XX6 or BIOL1XX7 or BIOL1XX1 or BIOL1XX2 or MBLG1XX1)</td>
<td>Semester 2</td>
</tr>
<tr>
<td>AVBS2004</td>
<td>Animal Nutrition</td>
<td>6</td>
<td>N ANSC3101</td>
<td>Semester 2</td>
</tr>
<tr>
<td>AVBS2007</td>
<td>Animal Structure and Function</td>
<td>6</td>
<td>P 6cp from BIOL1XX</td>
<td>Semester 1</td>
</tr>
<tr>
<td>GEGE2001</td>
<td>Genetics and Genomics</td>
<td>6</td>
<td>A Mendellian genetics, mechanisms of evolution, molecular and chromosomal bases of inheritance, and gene regulation and expression. N GENE2002 or MBLG2972 or GEGE2901 or MBLG2072</td>
<td>Semester 1, Semester 2</td>
</tr>
<tr>
<td>or</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>GEGE2901</td>
<td>Genetics and Genomics (Advanced)</td>
<td>6</td>
<td>A Mendellian genetics, mechanisms of evolution, molecular and chromosomal bases of inheritance, and gene regulation and expression. P Annual average mark of at least 70 N GENE2002 or MBLG2072 or GEGE2001 or MBLG2972</td>
<td>Semester 1, Semester 2</td>
</tr>
</tbody>
</table>

Students who commenced the course in or before 2017 are advised to take GEGE2X01 in semester 1.
# Electives

## Bachelor of Animal and Veterinary Bioscience (Progression Strategy) for students who commenced the course in or before 2017

<table>
<thead>
<tr>
<th>Unit Code</th>
<th>Title</th>
<th>Credit Points</th>
<th>Prerequisites</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL2032</td>
<td>Australian Wildlife Biology</td>
<td>6</td>
<td>N ANSC2005</td>
<td>Semester 2</td>
</tr>
<tr>
<td>ENVX2001</td>
<td>Applied Statistical Methods</td>
<td>6</td>
<td>P [6cp from (ENVX1001 or ENVX1002 or BIOM1003 or MATH1011 or MATH1015 or DATA1001 or DATA1901) OR [3cp from (MATH1XX1 or MATH1906 or MATH1XX3 or MATH1907) and an additional 3cp from (MATH1XX5)]] Available as a degree core unit only in the Agriculture, Animal and Veterinary Bioscience, and Food and Agribusiness streams</td>
<td>Semester 1</td>
</tr>
</tbody>
</table>

## Bachelor of Science (Progression Strategy) - subject to approval for students who commenced the course in or before 2017

<table>
<thead>
<tr>
<th>Unit Code</th>
<th>Title</th>
<th>Credit Points</th>
<th>Prerequisites</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCMB2001</td>
<td>Biochemistry and Molecular Biology</td>
<td>6</td>
<td>P 6cp of (BIOL1XX7 or MBLG1XXX) and 6cp of (CHEM1XX1 or CHEM1903) N BCHM2072 or BCHM2972 or MBLG2071 or MBLG2971 or BMED2405 or BCMB2901 or MEDS2003</td>
<td>Semester 1</td>
</tr>
<tr>
<td>BCMB2901</td>
<td>Biochemistry and Molecular Biology (Advanced)</td>
<td>6</td>
<td>P A mark of at least 70 from (BIOL1XX7 or MBLG1XX1) and (CHEM1XX1 or CHEM1903) N BCHM2072 or BCHM2972 or MBLG2071 or MBLG2971 or BMED2405 or BCMB2001 or MEDS2003</td>
<td>Semester 1</td>
</tr>
<tr>
<td>BCMB2002</td>
<td>Proteins in Cells</td>
<td>6</td>
<td>P 6cp of (BIOL1XX7 or MBLG1XXX) and 6cp of (CHEM1XX1 or CHEM1903) N BCHM2071 or BCHM2971 or BCMB2902</td>
<td>Semester 2</td>
</tr>
<tr>
<td>BCMB2902</td>
<td>Proteins in Cells (Advanced)</td>
<td>6</td>
<td>P A mark of at least 70 from (BIOL1XX7 or MBLG1XX1) and (CHEM1XX1 or CHEM1903) N BCHM2071 or BCHM2971 or BCMB2002</td>
<td>Semester 2</td>
</tr>
<tr>
<td>BIOL2021</td>
<td>Zoology</td>
<td>6</td>
<td>A BIOL1XX or MBLG1XXX N BIOL2921 or BIOL2011 or BIOL2911 or BIOL2012 or BIOL2912</td>
<td>Semester 1</td>
</tr>
<tr>
<td>BIOL2022</td>
<td>Biology Experimental Design and Analysis</td>
<td>6</td>
<td>A BIOL1XXX or MBLG1XXX P 6cp from (BIOL1XXX or MBLG1XXX or ENVX1001 or ENVX1002 or DATA1001 or MATH1XX5) N BIOL2922 or BIOL3006 or BIOL3906 or ENVX2001</td>
<td>Semester 2</td>
</tr>
<tr>
<td>CHEM2401</td>
<td>Molecular Reactivity and Spectroscopy</td>
<td>6</td>
<td>A 6cp MATH1XXX P (CHEM1XX1 or CHEM1903) and (CHEM1XX2 or CHEM1904) N CHEM2001 or CHEM2101 or CHEM2301 or CHEM2311 or CHEM2502 or CHEM2901 or CHEM2903 or CHEM2911 or CHEM2915</td>
<td>Semester 1</td>
</tr>
</tbody>
</table>

**This is a required chemistry unit of study for students intending to major in chemistry.**
CHEM2402
Chemical Structure and Stability

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Units</th>
<th>Pre requisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM2402</td>
<td>6</td>
<td>A 6cp MATH1XXX P (CHEM1XX1 or CHEM1903) and (CHEM1XX2 or CHEM1904) N CHEM2202 or CHEM2902 or CHEM2912 or CHEM2916</td>
</tr>
</tbody>
</table>

This is a required chemistry unit of study for students intending to major in chemistry.

Bachelor of Science/Bachelor of Advanced Studies (Animal and Veterinary Bioscience) (Progression Strategy) for students commencing the course in or after 2018

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Units</th>
<th>Pre requisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENVX2001</td>
<td>6</td>
<td>P [6cp from (ENVX1001 or ENVX1002 or BIOM1003 or MATH1011 or MATH1015 or DATA1001 or DATA1901) OR [3cp from (MATH1XX1 or MATH1906 or MATH1XX3 or MATH1907) and an additional 3cp from (MATH1XX5)]</td>
</tr>
</tbody>
</table>

Available as a degree core unit only in the Agriculture, Animal and Veterinary Bioscience, and Food and Agribusiness streams

And 12 credit points of 2000-level units from Science Table A that enables the completion of a second major.

Bachelor of Science (Progression Strategy) for students commencing the course in or after 2018

18 credit points of 2000-level units from Science Table A

Years 3 to 6

Candidates who successfully complete the progression requirements enrol in the units of study for the Doctor of Veterinary Medicine degree.

The requirements for the Doctor of Veterinary Medicine degree are set out in the Science Postgraduate Handbook.

Doctor of Veterinary Medicine

Year 1 has the following 48 credit point structure:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Units</th>
<th>Pre requisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>VETS6101</td>
<td>3</td>
<td>A One semester of study in each of: general chemistry (physical and inorganic), organic chemistry, biology and biochemistry.</td>
</tr>
<tr>
<td>VETS6102</td>
<td>6</td>
<td>A Basic knowledge of clinical veterinary practice; empathy for and confidence in interactions with animals. One semester of study in each of general chemistry (physical and inorganic), organic chemistry, biology and biochemistry.</td>
</tr>
<tr>
<td>VETS6103</td>
<td>3</td>
<td>Semester 1</td>
</tr>
<tr>
<td>VETS6104</td>
<td>12</td>
<td>A One semester of study in each of general chemistry (physical and inorganic), organic chemistry, biology and biochemistry.</td>
</tr>
</tbody>
</table>

Semester 1
### Year 2 has the following 48 credit point structure:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Credit Points</th>
<th>Prerequisites</th>
<th>Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>VETS6201</td>
<td>The Veterinary Professional 2</td>
<td>3</td>
<td>P VETS6101 and VETS6102 and VETS6103 and VETS6104 and VETS6105 and VETS6106 and VETS6107 and VETS6108</td>
<td>1</td>
</tr>
<tr>
<td>VETS6202</td>
<td>Professional Skills 2A</td>
<td>6</td>
<td>P VETS6101 and VETS6102 and VETS6103 and VETS6104 and VETS6105 and VETS6106 and VETS6107 and VETS6108</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td><em>It is assumed that student have a basic knowledge of clinical veterinary practice; empathy for and confidence in interactions with animals</em></td>
<td></td>
</tr>
<tr>
<td>VETS6203</td>
<td>Research and Enquiry 2A</td>
<td>3</td>
<td>P VETS6101 and VETS6102 and VETS6103 and VETS6104 and VETS6105 and VETS6106 and VETS6107 and VETS6108</td>
<td>1</td>
</tr>
<tr>
<td>VETS6204</td>
<td>Principles of Animal Disease A</td>
<td>12</td>
<td>P VETS6101 and VETS6102 and VETS6103 and VETS6104 and VETS6105 and VETS6106 and VETS6107 and VETS6108</td>
<td>1</td>
</tr>
<tr>
<td>VETS6205</td>
<td>Animal Management Systems 2</td>
<td>3</td>
<td>P VETS6101 and VETS6102 and VETS6103 and VETS6104 and VETS6105 and VETS6106 and VETS6107 and VETS6108 and VETS6201 and VETS6202 and VETS6203 and VETS6204</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td><em>It is assumed that students have a basic knowledge of clinical veterinary practice, biology and biochemistry</em></td>
<td></td>
</tr>
<tr>
<td>VETS6206</td>
<td>Professional Skills 2B</td>
<td>6</td>
<td>P VETS6101 and VETS6102 and VETS6103 and VETS6104 and VETS6105 and VETS6106 and VETS6107 and VETS6108 and VETS6201 and VETS6202 and VETS6203 and VETS6204</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td><em>It is assumed that student have a basic knowledge of clinical veterinary practice; empathy for and confidence in interactions with animals</em></td>
<td></td>
</tr>
<tr>
<td>VETS6207</td>
<td>Research and Enquiry 2B</td>
<td>3</td>
<td>P VETS6101 and VETS6102 and VETS6103 and VETS6104 and VETS6105 and VETS6106 and VETS6107 and VETS6108 and VETS6201 and VETS6202 and VETS6203 and VETS6204</td>
<td>2</td>
</tr>
</tbody>
</table>
### Year 3 has the following 48 credit point structure:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
<th>Prerequisites</th>
<th>Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>VETS6301</td>
<td>Veterinary Public Practice</td>
<td>3</td>
<td>VETS6101, VETS6102, VETS6103, VETS6104, VETS6105, VETS6106, VETS6107, VETS6108, VETS6201, VETS6202, VETS6203, VETS6204, VETS6205, VETS6206, VETS6207, VETS6208</td>
<td>1</td>
</tr>
<tr>
<td>VETS6302</td>
<td>Clinical Foundations</td>
<td>3</td>
<td>VETS6101, VETS6102, VETS6103, VETS6104, VETS6105, VETS6106, VETS6107, VETS6108, VETS6201, VETS6202, VETS6203, VETS6204, VETS6205, VETS6206, VETS6207, VETS6208</td>
<td>1</td>
</tr>
<tr>
<td>VETS6303</td>
<td>Small Animal Practice A</td>
<td>6</td>
<td>VETS6101, VETS6102, VETS6103, VETS6104, VETS6105, VETS6106, VETS6107, VETS6108, VETS6201, VETS6202, VETS6203, VETS6204, VETS6205, VETS6206, VETS6207, VETS6208</td>
<td>1</td>
</tr>
<tr>
<td>VETS6304</td>
<td>Livestock Practice A</td>
<td>3</td>
<td>VETS6101, VETS6102, VETS6103, VETS6104, VETS6105, VETS6106, VETS6107, VETS6108, VETS6201, VETS6202, VETS6203, VETS6204, VETS6205, VETS6206, VETS6207, VETS6208</td>
<td>1</td>
</tr>
<tr>
<td>VETS6305</td>
<td>Equine Practice A</td>
<td>3</td>
<td>VETS6101, VETS6102, VETS6103, VETS6104, VETS6105, VETS6106, VETS6107, VETS6108, VETS6201, VETS6202, VETS6203, VETS6204, VETS6205, VETS6206, VETS6207, VETS6208</td>
<td>1</td>
</tr>
<tr>
<td>VETS6306</td>
<td>Exotic and Wildlife Practice</td>
<td>3</td>
<td>VETS6101, VETS6102, VETS6103, VETS6104, VETS6105, VETS6106, VETS6107, VETS6108, VETS6201, VETS6202, VETS6203, VETS6204, VETS6205, VETS6206, VETS6207, VETS6208</td>
<td>1</td>
</tr>
<tr>
<td>VETS6307</td>
<td>Research and Enquiry 3A</td>
<td>3</td>
<td>VETS6101, VETS6102, VETS6103, VETS6104, VETS6105, VETS6106, VETS6107, VETS6108, VETS6201, VETS6202, VETS6203, VETS6204, VETS6205, VETS6206, VETS6207, VETS6208</td>
<td>1</td>
</tr>
<tr>
<td>VETS6308</td>
<td>Veterinary Practice Management</td>
<td>3</td>
<td>VETS6101, VETS6102, VETS6103, VETS6104, VETS6105, VETS6106, VETS6107, VETS6108, VETS6201, VETS6202, VETS6203, VETS6204, VETS6205, VETS6206, VETS6207, VETS6208</td>
<td>2</td>
</tr>
<tr>
<td>VETS6309</td>
<td>Small Animal Practice B</td>
<td>6</td>
<td>VETS6101, VETS6102, VETS6103, VETS6104, VETS6105, VETS6106, VETS6107, VETS6108, VETS6201, VETS6202, VETS6203, VETS6204, VETS6205, VETS6206, VETS6207, VETS6208, VETS6303</td>
<td>2</td>
</tr>
<tr>
<td>VETS6310</td>
<td>Livestock Practice B</td>
<td>6</td>
<td>VETS6101, VETS6102, VETS6103, VETS6104, VETS6105, VETS6106, VETS6107, VETS6108, VETS6201, VETS6202, VETS6203, VETS6204, VETS6205, VETS6206, VETS6207, VETS6208, VETS6304</td>
<td>2</td>
</tr>
<tr>
<td>VETS6311</td>
<td>Equine Practice B</td>
<td>3</td>
<td>VETS6101, VETS6102, VETS6103, VETS6104, VETS6105, VETS6106, VETS6107, VETS6108, VETS6201, VETS6202, VETS6203, VETS6204, VETS6205, VETS6206, VETS6207, VETS6208, VETS6305</td>
<td>2</td>
</tr>
</tbody>
</table>
Year 4 has the following 48 credit point structure:

**VETS6401**

Small Animal Clinics A  
6  
A All content from Years 1, 2, and 3 of the DVM  
P VETS6101, VETS6102, VETS6103, VETS6104, VETS6105, VETS6106, VETS6107, VETS6108, VETS6201, VETS6202, VETS6203, VETS6204, VETS6205, VETS6206, VETS6207, VETS6208, VETS6301, VETS6302, VETS6303, VETS6304, VETS6305, VETS6306, VETS6307, VETS6308, VETS6309, VETS6310, VETS6311, VETS6312, VETS6313

The majority of the unit of study will involve practical work in the form of clinical practice, facilitated in a rotational format. Students will be involved in the handling, examination, diagnostic procedures and treatment of various small animal species.

**VETS6402**

Small Animal Clinics B  
6  
A All content from Years 1, 2, and 3 of the DVM  
P VETS6101, VETS6102, VETS6103, VETS6104, VETS6105, VETS6106, VETS6107, VETS6108, VETS6201, VETS6202, VETS6203, VETS6204, VETS6205, VETS6206, VETS6207, VETS6208, VETS6301, VETS6302, VETS6303, VETS6304, VETS6305, VETS6306, VETS6307, VETS6308, VETS6309, VETS6310, VETS6311, VETS6312, VETS6313

This unit of study involved four weeks of practical clinical experience at the UVTHS, focusing on developing clinical knowledge and skills in the area of veterinary anaesthesia.

**VETS6403**

Small Animal Clinics C  
6  
A All content from Years 1, 2, and 3 of the DVM  
P VETS6101, VETS6102, VETS6103, VETS6104, VETS6105, VETS6106, VETS6107, VETS6108, VETS6201, VETS6202, VETS6203, VETS6204, VETS6205, VETS6206, VETS6207, VETS6208, VETS6301, VETS6302, VETS6303, VETS6304, VETS6305, VETS6306, VETS6307, VETS6308, VETS6309, VETS6310, VETS6311, VETS6312, VETS6313

The majority of the unit of study will involve practical work in the form of clinical practice, facilitated in a rotational format. Students will be involved in the handling, examination, diagnostic procedures and treatment of dogs, cats, birds, reptiles, exotic pets and wildlife.

**VETS6404**

Small Animal Clinics D  
3  
A All content from Years 1, 2, and 3 of the DVM  
P VETS6101, VETS6102, VETS6103, VETS6104, VETS6105, VETS6106, VETS6107, VETS6108, VETS6201, VETS6202, VETS6203, VETS6204, VETS6205, VETS6206, VETS6207, VETS6208, VETS6301, VETS6302, VETS6303, VETS6304, VETS6305, VETS6306, VETS6307, VETS6308, VETS6309, VETS6310, VETS6311, VETS6312, VETS6313

The majority of the unit of study will involve practical work in the form of general clinical practice. Students will be involved in the handling, examination, diagnostic procedures and treatment, and wellness management of animals commonly presented in small animals practice.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Points</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>VETS6405</td>
<td>Large Animal Clinics A</td>
<td>6</td>
<td>Four weeks of practical experience in clinical environments focusing on multiple disciplinary areas required to facilitate effective equine clinical assessment and care.</td>
</tr>
<tr>
<td>VETS6406</td>
<td>Large Animal Clinics B</td>
<td>3</td>
<td>Two weeks of clinical practical experience in working with livestock, ruminant, and herd populations via the University Livestock Veterinary Service at Camden campus.</td>
</tr>
<tr>
<td>VETS6407</td>
<td>Lab Investigations of Clinical Disease</td>
<td>3</td>
<td>The unit of study is entirely practical, utilising diagnostic accessions to perform and interpret laboratory testing.</td>
</tr>
<tr>
<td>VETS6408</td>
<td>Public, Industry, or Community Placement</td>
<td>3</td>
<td>Four weeks of practical experience of professional practice as required within a public, industry, or community-based body that serves the public good and/or underprivileged communities that lack regular access to veterinary services directly involved in servicing the livestock industries and/or public health. Students will also undertake a 3-day placement at an export abattoir.</td>
</tr>
<tr>
<td>VETS6409</td>
<td>Extramural Placement 1</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>VETS6410</td>
<td>Extramural Placement 2</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>
## Industry Placements

These placements occur at farms and commence in Semester 2 intra-semester break, Year 1 and should be completed by Semester 2 intra-semester Year 2:

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Duration</th>
<th>Dates</th>
</tr>
</thead>
<tbody>
<tr>
<td>VETS6121</td>
<td>Horse Industry Placement</td>
<td>3</td>
<td>Semester 1 Intensive Jan/Feb, Semester 2 Intensive June/July/December</td>
</tr>
<tr>
<td>VETS6122</td>
<td>Dairy Cattle Industry Placement</td>
<td>3</td>
<td>Semester 1 Intensive Jan/Feb, Semester 2 Intensive June/July/December</td>
</tr>
<tr>
<td>VETS6123</td>
<td>Beef Cattle Industry Placement</td>
<td>3</td>
<td>Semester 1 Intensive Jan/Feb, Semester 2 Intensive June/July/December</td>
</tr>
</tbody>
</table>
Students must complete a 1-week intensive placement and choose from one of the three Intensive species: Pig, Poultry or Aquaculture:

Students are permitted to select any species as an Elective Experience placement. Students could undertake any of the 4 core species (Horses, Dairy Cattle, Beef Cattle or Sheep), another Intensive species, or select species outside the above listings, eg, Camel, Zoo, Wildlife, Goats, Crocodiles, Turtles etc.
### Preparatory Clinical Placements

These placements occur at the end of Year 2/beginning of Year 3 (outside the main semesters):

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Intensive Dates</th>
</tr>
</thead>
<tbody>
<tr>
<td>VETS6221</td>
<td>Regional Preparatory Clinical Placement</td>
<td>December Intensive Jan</td>
</tr>
<tr>
<td>VETS6222</td>
<td>Elective Preparatory Clinical Placement</td>
<td>December Intensive Jan</td>
</tr>
</tbody>
</table>

### Abattoir Placement

This placement occurs at approved export abattoir sites (national and international) and occurs in Year 3 sometime after the Semester 1 intra-semester break:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Intensive Dates</th>
</tr>
</thead>
<tbody>
<tr>
<td>VETS6321</td>
<td>Abattoir Placement</td>
<td>Semester 1 Intensive June July Semester 2 Intensive December</td>
</tr>
</tbody>
</table>
DOCTOR OF VETERINARY MEDICINE

Units of study table

<table>
<thead>
<tr>
<th>Unit of study</th>
<th>Credit points</th>
<th>A: Assumed knowledge</th>
<th>P: Prerequisites</th>
<th>C: Corequisites</th>
<th>N: Prohibition</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>Students must complete a prescribed program, comprising:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(a) 192 credit points from the table below, and:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(b) extramural placements including:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(i) 4 weeks of preparatory clinical placements and:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(ii) 8 weeks of farmindustry placements and:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(iii) 2 days of abattoir placements</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Year 1

Year 1 of the Doctor of Veterinary Medicine has the following 48 credit point structure:

<table>
<thead>
<tr>
<th>Unit of study</th>
<th>Credit points</th>
<th>A: Assumed knowledge</th>
<th>P: Prerequisites</th>
<th>C: Corequisites</th>
<th>N: Prohibition</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>VETS6101 The Veterinary Professional 1</td>
<td>3</td>
<td>A One semester of study in each of: general chemistry (physical and inorganic), organic chemistry, biology and biochemistry.</td>
<td></td>
<td></td>
<td></td>
<td>Semester 1</td>
</tr>
<tr>
<td>VETS6102 Professional Skills 1A</td>
<td>6</td>
<td>A Basic knowledge of clinical veterinary practice; empathy for and confidence in interactions with animals, One semester of study in each of general chemistry (physical and inorganic), organic chemistry, biology and biochemistry.</td>
<td></td>
<td></td>
<td></td>
<td>Semester 1</td>
</tr>
<tr>
<td>VETS6103 Research and Enquiry 1A</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Semester 1</td>
</tr>
<tr>
<td>VETS6104 Foundations of Veterinary Science A</td>
<td>12</td>
<td>A One semester of study in each of general chemistry (physical and inorganic), organic chemistry, biology and biochemistry.</td>
<td></td>
<td></td>
<td></td>
<td>Semester 1</td>
</tr>
<tr>
<td>VETS6105 Animal Management Systems 1</td>
<td>3</td>
<td>A Basic knowledge of clinical veterinary practice, one semester of study in each of general chemistry (physical and inorganic), organic chemistry, biology and biochemistry.</td>
<td>P VETS6102</td>
<td></td>
<td></td>
<td>Semester 2</td>
</tr>
<tr>
<td>VETS6106 Professional Skills 1B</td>
<td>6</td>
<td>A Basic knowledge of clinical veterinary practice; empathy for and confidence in interactions with animals, one semester of study in each of general chemistry (physical and inorganic), organic chemistry, biology and biochemistry</td>
<td>P VETS6102</td>
<td></td>
<td></td>
<td>Semester 2</td>
</tr>
<tr>
<td>VETS6107 Research and Enquiry 1B</td>
<td>3</td>
<td>P VETS6103</td>
<td></td>
<td></td>
<td></td>
<td>Semester 2</td>
</tr>
<tr>
<td>VETS6108 Foundations of Veterinary Science B</td>
<td>12</td>
<td>A 2 semesters of chemistry, 1 semester of biology, 1 semester of biochemistry</td>
<td>P VETS6104</td>
<td></td>
<td></td>
<td>Semester 2</td>
</tr>
</tbody>
</table>

Year 2
Year 2 of the Doctor of Veterinary Medicine has the following 48 credit point structure:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
<th>Prerequisites</th>
<th>Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>VETS6201</td>
<td>The Veterinary Professional 2</td>
<td>3</td>
<td>P VETS6101 and VETS6102 and VETS6103 and VETS6104 and VETS6105 and VETS6106 and VETS6107 and VETS6108</td>
<td>Semester 1</td>
</tr>
<tr>
<td>VETS6202</td>
<td>Professional Skills 2A</td>
<td>6</td>
<td>P VETS6101 and VETS6102 and VETS6103 and VETS6104 and VETS6105 and VETS6106 and VETS6107 and VETS6108</td>
<td>Semester 1</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td><em>It is assumed that student have a basic knowledge of clinical veterinary practice; empathy for and confidence in interactions with animals</em></td>
<td></td>
</tr>
<tr>
<td>VETS6203</td>
<td>Research and Enquiry 2A</td>
<td>3</td>
<td>P VETS6101 and VETS6102 and VETS6103 and VETS6104 and VETS6105 and VETS6106 and VETS6107 and VETS6108</td>
<td>Semester 1</td>
</tr>
<tr>
<td>VETS6204</td>
<td>Principles of Animal Disease A</td>
<td>12</td>
<td>P VETS6101 and VETS6102 and VETS6103 and VETS6104 and VETS6105 and VETS6106 and VETS6107 and VETS6108</td>
<td>Semester 1</td>
</tr>
<tr>
<td>VETS6205</td>
<td>Animal Management Systems 2</td>
<td>3</td>
<td>P VETS6101 and VETS6102 and VETS6103 and VETS6104 and VETS6105 and VETS6106 and VETS6107 and VETS6108 and VETS6201 and VETS6202 and VETS6203 and VETS6204</td>
<td>Semester 2</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td><em>It is assumed that students have a basic knowledge of clinical veterinary practice, biology and biochemistry</em></td>
<td></td>
</tr>
<tr>
<td>VETS6206</td>
<td>Professional Skills 2B</td>
<td>6</td>
<td>P VETS6101 and VETS6102 and VETS6103 and VETS6104 and VETS6105 and VETS6106 and VETS6107 and VETS6108 and VETS6201 and VETS6202 and VETS6203 and VETS6204</td>
<td>Semester 2</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td><em>It is assumed that student have a basic knowledge of clinical veterinary practice; empathy for and confidence in interactions with animals</em></td>
<td></td>
</tr>
<tr>
<td>VETS6207</td>
<td>Research and Enquiry 2B</td>
<td>3</td>
<td>P VETS6101 and VETS6102 and VETS6103 and VETS6104 and VETS6105 and VETS6106 and VETS6107 and VETS6108 and VETS6201 and VETS6202 and VETS6203 and VETS6204</td>
<td>Semester 2</td>
</tr>
<tr>
<td>VETS6208</td>
<td>Principles of Animal Disease B</td>
<td>12</td>
<td>P VETS6101 and VETS6102 and VETS6103 and VETS6104 and VETS6105 and VETS6106 and VETS6107 and VETS6108 and VETS6201 and VETS6202 and VETS6203 and VETS6204</td>
<td>Semester 2</td>
</tr>
</tbody>
</table>

**Year 3**

Year 3 of the Doctor of Veterinary Medicine has the following 48 credit point structure:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
<th>Prerequisites</th>
<th>Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>VETS6301</td>
<td>Veterinary Public Practice</td>
<td>3</td>
<td>P VETS6101, VETS6102, VETS6103, VETS6104, VETS6105, VETS6106, VETS6107, VETS6108, VETS6201, VETS6202, VETS6203, VETS6204, VETS6205, VETS6206, VETS6207, VETS6208</td>
<td>Semester 1</td>
</tr>
<tr>
<td>VETS6302</td>
<td>Clinical Foundations</td>
<td>3</td>
<td>P VETS6101, VETS6102, VETS6103, VETS6104, VETS6105, VETS6106, VETS6107, VETS6108, VETS6201, VETS6202, VETS6203, VETS6204, VETS6205, VETS6206, VETS6207, VETS6208</td>
<td>Semester 1</td>
</tr>
<tr>
<td>VETS6303</td>
<td>Small Animal Practice A</td>
<td>6</td>
<td>P VETS6101, VETS6102, VETS6103, VETS6104, VETS6105, VETS6106, VETS6107, VETS6108, VETS6201, VETS6202, VETS6203, VETS6204, VETS6205, VETS6206, VETS6207, VETS6208</td>
<td>Semester 1</td>
</tr>
<tr>
<td>Code</td>
<td>Title</td>
<td>Credits</td>
<td>Prerequisites</td>
<td>Semester</td>
</tr>
<tr>
<td>---------</td>
<td>--------------------------------------------</td>
<td>---------</td>
<td>-------------------------------------------------------------------------------</td>
<td>-----------</td>
</tr>
<tr>
<td>VETS6304</td>
<td>Livestock Practice A</td>
<td>3</td>
<td>P VETS6101, VETS6102, VETS6103, VETS6104, VETS6105, VETS6106, VETS6107, VETS6108, VETS6201, VETS6202, VETS6203, VETS6204, VETS6205, VETS6206, VETS6207, VETS6208</td>
<td>Semester 1</td>
</tr>
<tr>
<td>VETS6305</td>
<td>Equine Practice A</td>
<td>3</td>
<td>P VETS6101, VETS6102, VETS6103, VETS6104, VETS6105, VETS6106, VETS6107, VETS6108, VETS6201, VETS6202, VETS6203, VETS6204, VETS6205, VETS6206, VETS6207, VETS6208</td>
<td>Semester 1</td>
</tr>
<tr>
<td>VETS6306</td>
<td>Exotic and Wildlife Practice</td>
<td>3</td>
<td>P VETS6101, VETS6102, VETS6103, VETS6104, VETS6105, VETS6106, VETS6107, VETS6108, VETS6201, VETS6202, VETS6203, VETS6204, VETS6205, VETS6206, VETS6207, VETS6208</td>
<td>Semester 1</td>
</tr>
<tr>
<td>VETS6307</td>
<td>Research and Enquiry 3A</td>
<td>3</td>
<td>P VETS6101, VETS6102, VETS6103, VETS6104, VETS6105, VETS6106, VETS6107, VETS6108, VETS6201, VETS6202, VETS6203, VETS6204, VETS6205, VETS6206, VETS6207, VETS6208</td>
<td>Semester 1</td>
</tr>
<tr>
<td>VETS6308</td>
<td>Veterinary Practice Management</td>
<td>3</td>
<td>P VETS6101, VETS6102, VETS6103, VETS6104, VETS6105, VETS6106, VETS6107, VETS6108, VETS6201, VETS6202, VETS6203, VETS6204, VETS6205, VETS6206, VETS6207, VETS6208</td>
<td>Semester 2</td>
</tr>
<tr>
<td>VETS6309</td>
<td>Small Animal Practice B</td>
<td>6</td>
<td>P VETS6101, VETS6102, VETS6103, VETS6104, VETS6105, VETS6106, VETS6107, VETS6108, VETS6201, VETS6202, VETS6203, VETS6204, VETS6205, VETS6206, VETS6207, VETS6208, VETS6303</td>
<td>Semester 2</td>
</tr>
<tr>
<td>VETS6310</td>
<td>Livestock Practice B</td>
<td>6</td>
<td>P VETS6101, VETS6102, VETS6103, VETS6104, VETS6105, VETS6106, VETS6107, VETS6108, VETS6201, VETS6202, VETS6203, VETS6204, VETS6205, VETS6206, VETS6207, VETS6208, VETS6304</td>
<td>Semester 2</td>
</tr>
<tr>
<td>VETS6311</td>
<td>Equine Practice B</td>
<td>3</td>
<td>P VETS6101, VETS6102, VETS6103, VETS6104, VETS6105, VETS6106, VETS6107, VETS6108, VETS6201, VETS6202, VETS6203, VETS6204, VETS6205, VETS6206, VETS6207, VETS6208, VETS6305</td>
<td>Semester 2</td>
</tr>
<tr>
<td>VETS6312</td>
<td>Intensive Animal Practice</td>
<td>3</td>
<td>P VETS6101, VETS6102, VETS6103, VETS6104, VETS6105, VETS6106, VETS6107, VETS6108, VETS6201, VETS6202, VETS6203, VETS6204, VETS6205, VETS6206, VETS6207, VETS6208, VETS6302</td>
<td>Semester 2</td>
</tr>
<tr>
<td>VETS6313</td>
<td>Research and Enquiry 3B</td>
<td>3</td>
<td>P VETS6101, VETS6102, VETS6103, VETS6104, VETS6105, VETS6106, VETS6107, VETS6108, VETS6201, VETS6202, VETS6203, VETS6204, VETS6205, VETS6206, VETS6207, VETS6208</td>
<td>Semester 2</td>
</tr>
</tbody>
</table>

### Year 4

Year 4 of the Doctor of Veterinary Medicine has the following 48 credit point structure:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
<th>Prerequisites</th>
<th>Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>VETS6401</td>
<td>Small Animal Clinics A</td>
<td>6</td>
<td>A All content from Years 1, 2, and 3 of the DVM P VETS6101, VETS6102, VETS6103, VETS6104, VETS6105, VETS6106, VETS6107, VETS6108, VETS6201, VETS6202, VETS6203, VETS6204, VETS6205, VETS6206, VETS6207, VETS6208, VETS6301, VETS6302, VETS6303, VETS6304, VETS6305, VETS6306, VETS6307, VETS6308, VETS6309, VETS6310, VETS6311, VETS6312, VETS6313</td>
<td>Semester 1</td>
</tr>
</tbody>
</table>
The majority of the unit of study will involve practical work in the form of clinical practice, facilitated in a rotational format. Students will be involved in the handling, examination, diagnostic procedures and treatment of various small animal species.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites</th>
<th>Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>VETS6402</td>
<td>Small Animal Clinics B</td>
<td>6</td>
<td>A All content from Years 1, 2, and 3 of the DVM P VETS6101, VETS6102, VETS6103, VETS6104, VETS6105, VETS6106, VETS6107, VETS6108, VETS6201, VETS6202, VETS6203, VETS6204, VETS6205, VETS6206, VETS6207, VETS6208, VETS6301, VETS6302, VETS6303, VETS6304, VETS6305, VETS6306, VETS6307, VETS6308, VETS6309, VETS6310, VETS6311, VETS6312, VETS6313</td>
<td>Semester 1, Semester 2</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>This unit of study involved four weeks of practical clinical experience at the UVTHS, focusing on developing clinical knowledge and skills in the area of veterinary anaesthesia.</td>
<td></td>
</tr>
<tr>
<td>VETS6403</td>
<td>Small Animal Clinics C</td>
<td>6</td>
<td>A All content from Years 1, 2, and 3 of the DVM P VETS6101, VETS6102, VETS6103, VETS6104, VETS6105, VETS6106, VETS6107, VETS6108, VETS6201, VETS6202, VETS6203, VETS6204, VETS6205, VETS6206, VETS6207, VETS6208, VETS6301, VETS6302, VETS6303, VETS6304, VETS6305, VETS6306, VETS6307, VETS6308, VETS6309, VETS6310, VETS6311, VETS6312, VETS6313</td>
<td>Semester 1, Semester 2</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>The majority of the unit of study will involve practical work in the form of clinical practice, facilitated in a rotational format. Students will be involved in the handling, examination, diagnostic procedures and treatment of dogs, cats, birds, reptiles, exotic pets and wildlife.</td>
<td></td>
</tr>
<tr>
<td>VETS6404</td>
<td>Small Animal Clinics D</td>
<td>3</td>
<td>A All content from Years 1, 2, and 3 of the DVM P VETS6101, VETS6102, VETS6103, VETS6104, VETS6105, VETS6106, VETS6107, VETS6108, VETS6201, VETS6202, VETS6203, VETS6204, VETS6205, VETS6206, VETS6207, VETS6208, VETS6301, VETS6302, VETS6303, VETS6304, VETS6305, VETS6306, VETS6307, VETS6308, VETS6309, VETS6310, VETS6311, VETS6312, VETS6313</td>
<td>Semester 1, Semester 2</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>The majority of the unit of study will involve practical work in the form of general clinical practice. Students will be involved in the handling, examination, diagnostic procedures and treatment, and wellness management of animals commonly presented in small animal practice.</td>
<td></td>
</tr>
<tr>
<td>VETS6405</td>
<td>Large Animal Clinics A</td>
<td>6</td>
<td>A All content from Years 1, 2, and 3 of the DVM P VETS6101, VETS6102, VETS6103, VETS6104, VETS6105, VETS6106, VETS6107, VETS6108, VETS6201, VETS6202, VETS6203, VETS6204, VETS6205, VETS6206, VETS6207, VETS6208, VETS6301, VETS6302, VETS6303, VETS6304, VETS6305, VETS6306, VETS6307, VETS6308, VETS6309, VETS6310, VETS6311, VETS6312, VETS6313</td>
<td>Semester 1, Semester 2</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Four weeks of practical experience in clinical environments focusing on multiple disciplinary areas required to facilitate effective equine clinical assessment and care.</td>
<td></td>
</tr>
<tr>
<td>VETS6406</td>
<td>Large Animal Clinics B</td>
<td>3</td>
<td>A All content from Years 1, 2, and 3 of the DVM P VETS6101, VETS6102, VETS6103, VETS6104, VETS6105, VETS6106, VETS6107, VETS6108, VETS6201, VETS6202, VETS6203, VETS6204, VETS6205, VETS6206, VETS6207, VETS6208, VETS6301, VETS6302, VETS6303, VETS6304, VETS6305, VETS6306, VETS6307, VETS6308, VETS6309, VETS6310, VETS6311, VETS6312, VETS6313</td>
<td>Semester 1, Semester 2</td>
</tr>
</tbody>
</table>
Two weeks of clinical practical experience in working with livestock, ruminant, and herd populations via the University Livestock Veterinary Service at Camden campus.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Level</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>VETS6407</td>
<td>Lab Investigations of Clinical Disease</td>
<td>3</td>
<td>A</td>
<td>All content from Years 1, 2, and 3 of the DVM P VETS6101, VETS6102, VETS6103, VETS6104, VETS6105, VETS6106, VETS6107, VETS6108, VETS6201, VETS6202, VETS6203, VETS6204, VETS6205, VETS6206, VETS6207, VETS6208, VETS6301, VETS6302, VETS6303, VETS6304, VETS6305, VETS6306, VETS6307, VETS6308, VETS6309, VETS6310, VETS6311, VETS6312, VETS6313</td>
</tr>
<tr>
<td>VETS6408</td>
<td>Public, Industry, or Community Placement</td>
<td>3</td>
<td>A</td>
<td>All content from Years 1, 2, and 3 of the DVM P VETS6101, VETS6102, VETS6103, VETS6104, VETS6105, VETS6106, VETS6107, VETS6108, VETS6201, VETS6202, VETS6203, VETS6204, VETS6205, VETS6206, VETS6207, VETS6208, VETS6301, VETS6302, VETS6303, VETS6304, VETS6305, VETS6306, VETS6307, VETS6308, VETS6309, VETS6310, VETS6311, VETS6312, VETS6313</td>
</tr>
<tr>
<td>VETS6409</td>
<td>Extramural Placement 1</td>
<td>3</td>
<td>A</td>
<td>All content from Years 1, 2, and 3 of the DVM P VETS6101, VETS6102, VETS6103, VETS6104, VETS6105, VETS6106, VETS6107, VETS6108, VETS6201, VETS6202, VETS6203, VETS6204, VETS6205, VETS6206, VETS6207, VETS6208, VETS6301, VETS6302, VETS6303, VETS6304, VETS6305, VETS6306, VETS6307, VETS6308, VETS6309, VETS6310, VETS6311, VETS6312, VETS6313</td>
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<tr>
<td>VETS6410</td>
<td>Extramural Placement 2</td>
<td>3</td>
<td>A</td>
<td>All content from Years 1, 2, and 3 of the DVM P VETS6101, VETS6102, VETS6103, VETS6104, VETS6105, VETS6106, VETS6107, VETS6108, VETS6201, VETS6202, VETS6203, VETS6204, VETS6205, VETS6206, VETS6207, VETS6208, VETS6301, VETS6302, VETS6303, VETS6304, VETS6305, VETS6306, VETS6307, VETS6308, VETS6309, VETS6310, VETS6311, VETS6312, VETS6313</td>
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<tr>
<td>VETS6411</td>
<td>Extramural Placement 3</td>
<td>3</td>
<td>A</td>
<td>All content from Years 1, 2, and 3 of the DVM P VETS6101, VETS6102, VETS6103, VETS6104, VETS6105, VETS6106, VETS6107, VETS6108, VETS6201, VETS6202, VETS6203, VETS6204, VETS6205, VETS6206, VETS6207, VETS6208, VETS6301, VETS6302, VETS6303, VETS6304, VETS6305, VETS6306, VETS6307, VETS6308, VETS6309, VETS6310, VETS6311, VETS6312, VETS6313</td>
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<tr>
<td>VETS6412</td>
<td>Extramural Placement 4</td>
<td>3</td>
<td>A</td>
<td>All content from Years 1, 2, and 3 of the DVM P VETS6101, VETS6102, VETS6103, VETS6104, VETS6105, VETS6106, VETS6107, VETS6108, VETS6201, VETS6202, VETS6203, VETS6204, VETS6205, VETS6206, VETS6207, VETS6208, VETS6301, VETS6302, VETS6303, VETS6304, VETS6305, VETS6306, VETS6307, VETS6308, VETS6309, VETS6310, VETS6311, VETS6312, VETS6313</td>
</tr>
</tbody>
</table>

The unit of study is entirely practical, utilising diagnostic accessions to perform and interpret laboratory testing.

Four weeks of practical experience of professional practice as required within a public, industry, or community-based body that serves the public good and/or underprivileged communities that lack regular access to veterinary services directly involved in servicing the livestock industries and/or public health. Students will also undertake a 3-day placement at an export abattoir.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Level</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
<td>VETS6409</td>
<td>Extramural Placement 1</td>
<td>3</td>
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<td>All content from Years 1, 2, and 3 of the DVM P VETS6101, VETS6102, VETS6103, VETS6104, VETS6105, VETS6106, VETS6107, VETS6108, VETS6201, VETS6202, VETS6203, VETS6204, VETS6205, VETS6206, VETS6207, VETS6208, VETS6301, VETS6302, VETS6303, VETS6304, VETS6305, VETS6306, VETS6307, VETS6308, VETS6309, VETS6310, VETS6311, VETS6312, VETS6313</td>
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<tr>
<td>VETS6410</td>
<td>Extramural Placement 2</td>
<td>3</td>
<td>A</td>
<td>All content from Years 1, 2, and 3 of the DVM P VETS6101, VETS6102, VETS6103, VETS6104, VETS6105, VETS6106, VETS6107, VETS6108, VETS6201, VETS6202, VETS6203, VETS6204, VETS6205, VETS6206, VETS6207, VETS6208, VETS6301, VETS6302, VETS6303, VETS6304, VETS6305, VETS6306, VETS6307, VETS6308, VETS6309, VETS6310, VETS6311, VETS6312, VETS6313</td>
</tr>
<tr>
<td>VETS6411</td>
<td>Extramural Placement 3</td>
<td>3</td>
<td>A</td>
<td>All content from Years 1, 2, and 3 of the DVM P VETS6101, VETS6102, VETS6103, VETS6104, VETS6105, VETS6106, VETS6107, VETS6108, VETS6201, VETS6202, VETS6203, VETS6204, VETS6205, VETS6206, VETS6207, VETS6208, VETS6301, VETS6302, VETS6303, VETS6304, VETS6305, VETS6306, VETS6307, VETS6308, VETS6309, VETS6310, VETS6311, VETS6312, VETS6313</td>
</tr>
<tr>
<td>VETS6412</td>
<td>Extramural Placement 4</td>
<td>3</td>
<td>A</td>
<td>All content from Years 1, 2, and 3 of the DVM P VETS6101, VETS6102, VETS6103, VETS6104, VETS6105, VETS6106, VETS6107, VETS6108, VETS6201, VETS6202, VETS6203, VETS6204, VETS6205, VETS6206, VETS6207, VETS6208, VETS6301, VETS6302, VETS6303, VETS6304, VETS6305, VETS6306, VETS6307, VETS6308, VETS6309, VETS6310, VETS6311, VETS6312, VETS6313</td>
</tr>
</tbody>
</table>

Industry Placements
These placements occur at farms and commence in Semester 2 intra-semester break, Year 1 and should be completed by Semester 2 intra-semester Year 2:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Intensive Dates</th>
</tr>
</thead>
<tbody>
<tr>
<td>VETS6121</td>
<td>Horse Industry Placement</td>
<td>Jan Intensive, Feb Semester 1 Intensive, Jun Intensive, Jul Semester 2 Intensive, Dec</td>
</tr>
<tr>
<td>VETS6122</td>
<td>Dairy Cattle Industry Placement</td>
<td>Jan Intensive, Feb Semester 1 Intensive, Jun Intensive, Jul Semester 2 Intensive, Dec</td>
</tr>
<tr>
<td>VETS6123</td>
<td>Beef Cattle Industry Placement</td>
<td>Jan Intensive, Feb Semester 1 Intensive, Jun Intensive, Jul Semester 2 Intensive, Dec</td>
</tr>
<tr>
<td>VETS6124</td>
<td>Sheep Industry Placement</td>
<td>Jan Intensive, Feb Semester 1 Intensive, Jun Intensive, Jul Semester 2 Intensive, Dec</td>
</tr>
<tr>
<td>VETS6125</td>
<td>Intensive Animal Industry Placement</td>
<td>Jan Intensive, Feb Semester 1 Intensive, Jun Intensive, Jul</td>
</tr>
</tbody>
</table>

Students must complete a 1-week intensive placement and choose from one of the three Intensive species: Pig, Poultry or Aquaculture:
Students are permitted to select any species as an Elective Experience placement. Students could undertake any of the 4 core species (Horses, Dairy Cattle, Beef Cattle or Sheep), another Intensive species, or select species outside the above listings, eg. Camel, Zoo, Wildlife, Goats, Crocodiles, Turtles etc.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Details</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>VETS6126</td>
<td>Industry Placement Elective Experience 1</td>
<td>Semester 2 Intensive December</td>
</tr>
<tr>
<td>VETS6127</td>
<td>Industry Placement Elective Experience 2</td>
<td>Semester 2 Intensive December</td>
</tr>
<tr>
<td>VETS6128</td>
<td>Industry Placement Elective Experience 3</td>
<td>Semester 2 Intensive December</td>
</tr>
</tbody>
</table>

**Preparatory Clinical Placements**

These placements occur at the end of Year 2/beginning of Year 3 (outside the main semesters):

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Details</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>VETS6221</td>
<td>Regional Preparatory Clinical Placement</td>
<td>Intensive December Intensive Jan</td>
</tr>
<tr>
<td>VETS6222</td>
<td>Elective Preparatory Clinical Placement</td>
<td>Intensive December Intensive Jan</td>
</tr>
</tbody>
</table>

**Abattoir Placement**
This placement occurs at approved export abattoir sites (national and international) and occurs in Year 3 sometime after the Semester 1 intra-semester break:

<table>
<thead>
<tr>
<th>VETS6321 Abattoir Placement</th>
<th>0</th>
<th>Semester 1 Intensive June Intensive July Semester 2 Intensive December</th>
</tr>
</thead>
</table>
Non-Confidential

<table>
<thead>
<tr>
<th>Author</th>
<th>Veronica Boulton, Head of Education, Faculty of Science</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reviewer/Approver</td>
<td>Professor Pauline Ross, Associate Dean, Education</td>
</tr>
<tr>
<td>Paper title</td>
<td>Master of Agriculture and Environment unit of study Table</td>
</tr>
<tr>
<td>Purpose</td>
<td>To amend the Master of Agriculture and Environment unit of study table to incorporate new units of study.</td>
</tr>
</tbody>
</table>

RECOMMENDATION

That the Graduate Studies Committee recommend that the Academic Board:

1. approve the proposal from the Faculty of Science to amend the Master of Agriculture and Environment; and
2. approve the amendment of the unit of study table arising from the proposal, with effect from 1 January 2020.

EXECUTIVE SUMMARY

The proposed changes include updating the unit of study core and elective tables to incorporate new units of study and remove units of study that will not be running in 2020.

IMPLEMENTATION

For implementation commencing 1 January 2020. The SITS diet will need to be updated with the new Unit of Study codes. The updated table will be included in the 2020 Postgraduate Handbook.

ATTACHMENTS

1. Minor Course Amendment Proposal
2. Master of Agriculture and Environment unit of study table
Minor Course Amendment Proposal

Faculty: Faculty of Science

Contact person: A/Prof Daniel Tan

1. Name of award course
   Master of Agriculture and Environment

2. Purpose of proposal
   To amend the core and electives table for the Master of Agriculture and Environment degree to update the core and electives available to students from 2020.

3. Details of amendment
   Core: ECOS3013 (Environmental Economics) (deleted) and replaced with WORK6002 (Strategic Management) based on consultation with industry and students to make the course more practically and industry orientated by adding a masters business core unit.
   Changes to Agricultural and Environmental Economics specialisation electives (as recommended by Dr Shauna Phillips):
   - Replace ECOS3006 (International Trade) (an inappropriate unit) with AREC3006 (Agricultural Production Economics) from 2020
   - Replace ECOS3005 (Industrial Organisation) (an inappropriate unit) with AREC3007 (Benefit Cost Analysis) from 2020
   - Delete AREC3001 (Production Modelling and Management) as this unit is no longer offered from 2020
   Changes to Agricultural and Environmental Technologies electives (due to staff changes):
   - Replace AFNR5502 (Remote Sensing, GIS and Land Management) with GEOG5004 (Environmental Mapping and Monitoring) and GEOG5001 (Geographical Information Science A)
   - Delete AFNR5512 (Water Management and Variable Climate)
   Changes to Horticultural Technologies electives
   Delete AFNR5701 (Plants and the Environment) - no enrolments for past few years (as consulted with Unit Coordinator, Prof Margaret Barbour)
   - Delete AFNR5210 (Sustainable Horticultural Cropping) - as suggested by Thomas Bishop, and consulted with A/Prof Brian Jones.
   Changes to electives (from other faculties)
   - Delete AFNR5107 (Principles of Biochemical Analysis) - no enrolments for past few years (as consulted with Unit Coordinator, Dr Rosalind Deaker)
   - Delete AGEN5001 (Agricultural and Environmental Extension) - as Unit of Study Coordinator, Dr Peter Ampil has retired and left the University.
   - Add STAT5002 (Introduction to Statistics) - as recommended by A/Prof Thomas Bishop and requested by MAagr students
   - Add IBUS5002 (Strategy, Innovation and Entrepreneurship) – as recommended by Prof Leanne Cutch and Dr Maria Rumyantseva.

4. Transitional arrangements
   If the proposed amendment(s) will affect students who are currently enrolled, the students will have the flexibility of selecting electives in the original table of core and electives provided that they are still being offered.

5. Other relevant information

6. Signature of Dean
   [Signature]
   Prof Iain M Young
   Dean, Faculty of Science

Minor Course Amendment Proposal

Version 01.10.2014
AGRICULTURE AND ENVIRONMENT

Agriculture and Environment

Master of Agriculture and Environment

For the award of the Master of Agriculture and Environment, students must complete 72 credit points from Table A, comprising:

(i) 24 credit points of core units of study

(ii) 24 credit points of elective units of study, including at least 12 credit points of specialisation units of study

(iii) 24 credit points of capstone units of study

Students who have completed relevant prior learning at an equivalent level may be given up to 24 credit points advanced standing.

Graduate Diploma of Agriculture and Environment

For the award of the Graduate Diploma of Agriculture and Environment, students must complete 48 credit points from Table A, including at least 12 credit points of specialisation elective units

Graduate Certificate in Agriculture and Environment

For the award of the Graduate Certificate in Agriculture and Environment, students must complete 24 credit points from Table A.

Core

<table>
<thead>
<tr>
<th>Unit of study</th>
<th>Credit points</th>
<th>A: Assumed knowledge</th>
<th>P: Prerequisites</th>
<th>C: Corequisites</th>
<th>N: Prohibition</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>AFNR5511 Soil Processes, Assessment and Management</td>
<td>6</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Semester 1</td>
</tr>
<tr>
<td>AGRO4003 Crop and Pasture Agronomy</td>
<td>6</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Semester 1</td>
</tr>
<tr>
<td>AFNR5801 Climate Change: Process, History, Issues</td>
<td>6</td>
<td>A basic understanding of climate change processes and issues.</td>
<td></td>
<td></td>
<td></td>
<td>Semester 2</td>
</tr>
<tr>
<td>ECOS3013 Environmental Economics</td>
<td>6</td>
<td>RARE2003 or RSEC2031 or ECOS2001 or ECOS2901</td>
<td></td>
<td></td>
<td>Intensive January</td>
<td>Semester 2</td>
</tr>
<tr>
<td>WORK6002 Strategic Management</td>
<td>6</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Semester 1 Semester 1a</td>
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</table>
### Specialisation electives

#### Agricultural and Environmental Economics

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites</th>
<th>Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>AREC3004</td>
<td>Economics of Water and Bio-Resources</td>
<td>6</td>
<td>P AREC2003 or RSEC2031 or ECOS2001 or ECOS2901</td>
<td>Semester 1</td>
</tr>
<tr>
<td>ECOS3006</td>
<td>International Trade</td>
<td>6</td>
<td>P ECOS2001 or ECOS2901</td>
<td>Semester 1</td>
</tr>
<tr>
<td>AREC3006</td>
<td>Agricultural Production Economics</td>
<td>6</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ECOS3005</td>
<td>Industrial Organisation</td>
<td>6</td>
<td>P ECOS2001 or ECOS2901</td>
<td>Semester 2</td>
</tr>
<tr>
<td>AREC3007</td>
<td>Benefit-Cost Analysis</td>
<td>6</td>
<td>P ECOS2001 or ECOS2901 or AREC2005 or AREC2003 N [AREC2004 and RSEC4131]</td>
<td>Semester 1</td>
</tr>
<tr>
<td>AREC3001</td>
<td>Production Modelling and Management</td>
<td>6</td>
<td>P AREC2001 or AGEC2103 or ECOS2001 or ECOS2901</td>
<td>Semester 2</td>
</tr>
<tr>
<td>AREC3002</td>
<td>Agricultural Markets</td>
<td>6</td>
<td>P AREC2001 or AGEC2103 or ECOS2001 or ECOS2901</td>
<td>Semester 2</td>
</tr>
<tr>
<td>AREC3005</td>
<td>Agricultural Finance and Risk</td>
<td>6</td>
<td>P AREC2001 or AGEC2103 or AREC2002 or AGEC2101 or ECOS2001 or ECOS2901</td>
<td>Semester 1</td>
</tr>
</tbody>
</table>

#### Agricultural and Environmental Technologies

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Notes</th>
<th>Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>AGRO4004</td>
<td>Sustainable Farming Systems</td>
<td>6</td>
<td></td>
<td>Semester 1</td>
</tr>
<tr>
<td>ENVI5708</td>
<td>Introduction to Environmental Chemistry</td>
<td>6</td>
<td></td>
<td>Semester 1</td>
</tr>
<tr>
<td>AFNR5110</td>
<td>Crop Improvement</td>
<td>6</td>
<td>A Basic knowledge of plant genetics and breeding, similar to that covered by GENE4012 and GENE4013.</td>
<td>Semester 2</td>
</tr>
<tr>
<td>AFNR5502</td>
<td>Remote Sensing, GIS and Land Management</td>
<td>6</td>
<td>A ENVX3001 and SOIL3004.</td>
<td>Semester 2</td>
</tr>
<tr>
<td>GEOG5004</td>
<td>Environmental Mapping and Monitoring</td>
<td>6</td>
<td>A This unit assumes a sound understanding of scientific principles, HSC level mathematics and understanding of basic statistics.</td>
<td>Semester 2</td>
</tr>
<tr>
<td>AFNR5510</td>
<td>The Soil at Work</td>
<td>6</td>
<td></td>
<td>Semester 2</td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
<td>Credit Points</td>
<td>Additional Information</td>
<td>Semester</td>
</tr>
<tr>
<td>-------------</td>
<td>--------------------------------------------------</td>
<td>---------------</td>
<td>------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
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</tr>
<tr>
<td>AENR5512</td>
<td>Water Management and Variable Climate</td>
<td>6</td>
<td>A UG Maths or Physics or Hydrology.</td>
<td>Semester 2</td>
</tr>
<tr>
<td>GEOG5001</td>
<td>Geographic Information Science A</td>
<td>6</td>
<td>A This unit assumes a sound understanding of scientific principles, HSC level mathematics and understanding of basic statistics.</td>
<td>Semester 1</td>
</tr>
</tbody>
</table>

**Horticultural Technologies**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
<th>Additional Information</th>
<th>Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>AENR5210</td>
<td>Sustainable Horticultural Cropping</td>
<td>6</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AENR5701</td>
<td>Plants and the Environment</td>
<td>6</td>
<td>A Basic knowledge of plant genetics and breeding, similar to that covered by GENE4012 and GENE4013.</td>
<td>Semester 2</td>
</tr>
<tr>
<td>AENR5110</td>
<td>Crop Improvement</td>
<td>6</td>
<td></td>
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</tr>
<tr>
<td>HORT4005</td>
<td>Research and Practice in Horticulture</td>
<td>6</td>
<td>P HORT3005</td>
<td>Semester 2</td>
</tr>
</tbody>
</table>

**Electives from other faculties General electives**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
<th>Additional Information</th>
<th>Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>AENR5107</td>
<td>Principles of Biochemical Analysis</td>
<td>6</td>
<td>N AGCH4007</td>
<td>Semester 1</td>
</tr>
<tr>
<td>AGEN5001</td>
<td>Agricultural and Environmental Extension</td>
<td>6</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ECOS3002</td>
<td>Development Economics</td>
<td>6</td>
<td>P ECOS2001 or ECOS2901 or ECOS2002 or ECOS2902</td>
<td>Semester 2</td>
</tr>
<tr>
<td>ENVI5708</td>
<td>Introduction to Environmental Chemistry</td>
<td>6</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GOVT6135</td>
<td>Global Environmental Politics</td>
<td>6</td>
<td></td>
<td></td>
</tr>
<tr>
<td>IBUS5002</td>
<td>Strategy, Innovation and Entrepreneurship</td>
<td>6</td>
<td>N IBUS5001</td>
<td>Semester 1</td>
</tr>
<tr>
<td>PHYS5031</td>
<td>Ecological Econ and Sustainable Analysis</td>
<td>6</td>
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<tr>
<td>Course Code</td>
<td>Course Name</td>
<td>Credits</td>
<td>Prerequisite(s)</td>
<td>Semester</td>
</tr>
<tr>
<td>-------------</td>
<td>------------------------------------------------------------------------------</td>
<td>---------</td>
<td>--------------------------------------------------------------------------------</td>
<td>----------</td>
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<tr>
<td>PHYS5034</td>
<td>Life Cycle Analysis</td>
<td>6</td>
<td>Minimum class size of 5 students.</td>
<td>Semester 2</td>
</tr>
<tr>
<td>AREC3003</td>
<td>Econ of Minerals and Energy Industries</td>
<td>6</td>
<td>P AREC2003 or RSEC2031 or ECOS2001 or ECOS2901</td>
<td>Semester 2</td>
</tr>
<tr>
<td>ECOS3002</td>
<td>Development Economics</td>
<td>6</td>
<td>P ECOS2001 or ECOS2901 or ECOS2002 or ECOS2902</td>
<td>Semester 2</td>
</tr>
<tr>
<td>ECOS3005</td>
<td>Industrial Organisation</td>
<td>6</td>
<td>P ECOS2001 or ECOS2901 N ECOS2201</td>
<td>Semester 2</td>
</tr>
<tr>
<td>ENVI5809</td>
<td>Environmental Simulation Modelling</td>
<td>6</td>
<td>A This unit assumes a sound understanding of scientific principles, HSC level Mathematics and understanding of basic statistics.</td>
<td>Semester 2a</td>
</tr>
<tr>
<td>GEOG5004</td>
<td>Environmental Mapping and Monitoring</td>
<td>6</td>
<td>A This unit assumes a sound understanding of scientific principles, HSC level Mathematics and understanding of basic statistics.</td>
<td>Semester 2</td>
</tr>
<tr>
<td>ECON5001</td>
<td>Microeconomic Theory</td>
<td>6</td>
<td>N ECON5040</td>
<td>Intensive February Semester 1 Semester 2</td>
</tr>
<tr>
<td>PHYS5033</td>
<td>Environmental Footprints and IO Analysis</td>
<td>6</td>
<td>Minimum class size of 5 students.</td>
<td>Semester 1 Semester 2</td>
</tr>
<tr>
<td>STAT5002</td>
<td>Introduction to Statistics</td>
<td>6</td>
<td>A HSC Mathematics</td>
<td>Semester 1 Semester 2</td>
</tr>
<tr>
<td>SUST5001</td>
<td>Introduction to Sustainability</td>
<td>6</td>
<td>This unit of study involves essay-writing. Academic writing skills equivalent to HSC Advanced English or significant consultation via the Writing Hub is assumed.</td>
<td>Semester 1 Semester 2</td>
</tr>
</tbody>
</table>

**Capstone**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
<th>Prerequisite(s)</th>
<th>Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>AFNR5905</td>
<td>Research Paper</td>
<td>6</td>
<td>P AFNR5901 and AFNR5904 C AFNR5906</td>
<td>Semester 1 Semester 2</td>
</tr>
<tr>
<td>AFNR5906</td>
<td>Research Communication</td>
<td>6</td>
<td>P AFNR5901 and AFNR5904 C AFNR5905</td>
<td>Semester 1 Semester 2</td>
</tr>
<tr>
<td>AFNR5901</td>
<td>Research Review</td>
<td>6</td>
<td>C AFNR5904 N AFNR5902 or AFNR5903</td>
<td>Semester 1 Semester 2</td>
</tr>
<tr>
<td></td>
<td>Note: Department permission required for enrolment</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AFNR5904</td>
<td>Research Proposal and Approach</td>
<td>6</td>
<td>C AFNR5901</td>
<td>Semester 1 Semester 2</td>
</tr>
<tr>
<td></td>
<td>Note: Department permission required for enrolment</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Non-Confidential

<table>
<thead>
<tr>
<th>Author</th>
<th>Veronica Boulton, Head of Education, Faculty of Science</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reviewer/Approver</td>
<td>Professor Pauline Ross, Associate Dean, Education</td>
</tr>
<tr>
<td>Paper title</td>
<td>Master of Marine Science and Management unit of study Table</td>
</tr>
<tr>
<td>Purpose: Purpose</td>
<td>In plain language, provide the purpose of the submission (do not use acronyms, abbreviations or technical language). Content should be 1-2 sentences in length.</td>
</tr>
<tr>
<td></td>
<td>To amend the Master of Marine Science and Management unit of study table to incorporate a new unit of study and remove units that are no longer of offer.</td>
</tr>
</tbody>
</table>

**RECOMMENDATION**

That the Graduate Studies Committee recommend that the Academic Board:

1. approve the proposal from the Faculty of Science to amend the Master of Marine Science and Management; and
2. approve the amendment of the unit of study table arising from the proposal, with effect from 1 January 2020.

**EXECUTIVE SUMMARY**

The proposed changes include updating the unit of study tables to incorporate MARS4001 under electives and to remove units of study that will not be running in 2020.

**IMPLEMENTATION**

For implementation commencing 1 January 2020. The SITS diet will need to be updated with the new Unit of Study code. The updated table will be included in the 2020 Postgraduate Handbook.

**ATTACHMENTS**

1. Minor Course Amendment Proposal
2. Master of Marine Science and Management unit of study table
Minor Course Amendment Proposal

Faculty: Science

Contact person: Ana Vila Concejo / Eleanor Bruce (temporary contact in early 2019 – Jeff Neilson)

1. Name of award course
   Master of Marine Science and Management

2. Purpose of proposal
   To amend the table of units of study for the Master of Marine Science and Management.
   MARS4001 will offer an opportunity for intensive field-based learning on the Great Barrier Reef.
   MARS5006 was rested in 2019 due to lack of teaching staff.
   Since the folding of the Wildlife Management and Health Degree, the WILD units are no longer offered and so need to be deleted.

3. Details of amendment
   MARS4001 will be added as an elective under “Marine Biology / Biological Oceanography”.
   MARS5006 will be deleted.
   WILD5001 will be deleted.
   WILD5002 will be deleted.
   WILD5006 will be deleted.

4. Transitional arrangements
   None needed.

5. Other relevant information

6. Signature of Dean

[Signatures]

Prof Iain M Young
Dean, Faculty of Science

Version 01.10.2014
MARINE SCIENCE AND MANAGEMENT

Units of study table

<table>
<thead>
<tr>
<th>Unit of study</th>
<th>Credit points</th>
<th>A: Assumed knowledge</th>
<th>P: Prerequisites</th>
<th>C: Corequisites</th>
<th>N: Prohibition</th>
<th>Session</th>
</tr>
</thead>
</table>

**Marine Science and Management**

**Graduate Certificate in Marine Science and Management**

To qualify for the Graduate Certificate in Marine Science and Management, a candidate must complete 24 credit points, including:

(a) 12 credit points of core unit of study; and

(b) 12 credit points of elective units of study.

**Graduate Diploma in Marine Science and Management**

To qualify for the Graduate Diploma in Marine Science and Management, a candidate must complete 48 credit points across at least two of the defined areas of knowledge, including:

(a) 24 credit points of core units of study; and

(b) 12 credit points of elective units of study taken at the University of Sydney; and

(c) 12 credit points of elective units of study which may be taken from the other partner universities under the equivalent program (University of NSW, University of Technology Sydney, Macquarie University) via Cross Institutional Study.

**Note:** It is a requirement of the Graduate Diploma that students undertake units of study in a minimum of two of the four available areas of knowledge.

**Master of Marine Science and Management (Coursework)**

To qualify for the Master of Marine Science and Management coursework pathway, a candidate must complete 72 credit points across at least three of the defined areas of knowledge, including:

(a) 24 credit points of core units of study; and

(b) 36 credit points of elective units of study taken at the University of Sydney; and

(c) 12 credit points of elective units of study which may be taken from the other partner universities under the equivalent program (University of NSW, University of Technology Sydney, Macquarie University) via Cross Institutional Study.
Note: Subject to the availability of supervision and suitable projects, candidates with a distinction average in 24 credit points of study from the degree may be admitted to the research pathway.

**Master of Marine Science and Management (Research)**

To qualify for the Master of Marine Science and Management research pathway, a candidate must complete 72 credit points across at least three of the defined areas of knowledge, including:

(a) 48 credit points of core units of study; and

(b) 12 credit points of elective units of study taken at the University of Sydney; and

(c) 12 credit points of elective units of study which may be taken from the other partner universities under the equivalent program (University of NSW, University of Technology Sydney, Macquarie University) via Cross Institutional Study

Note: It is a requirement of the master's degree that students undertake units of study in a minimum of three of the four available areas of knowledge.

**Areas of Knowledge**

(a) Marine biology/Biological oceanography

(b) Marine geosciences/Coastal engineering

(c) Physical oceanography/Marine engineering

(d) Environmental Management/sustainability

**Core Units**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
<th>Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>MARS5009</td>
<td>Topics in Australian Marine Science</td>
<td>6</td>
<td>1</td>
</tr>
</tbody>
</table>

**Marine Geosciences / Coastal Engineering**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
<th>Description</th>
<th>Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>MARS5001</td>
<td>Coastal Processes and Systems</td>
<td>6</td>
<td>This unit assumes a sound understanding of scientific principles, HSC level mathematics and understanding of basic statistics.</td>
<td>1</td>
</tr>
</tbody>
</table>
### Environmental Management / Sustainability

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit</th>
<th>Intensive</th>
</tr>
</thead>
<tbody>
<tr>
<td>MARS5004</td>
<td>Coastal Management Field School</td>
<td>6</td>
<td>October</td>
</tr>
</tbody>
</table>

### Marine Biology / Biological Oceanography

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit</th>
<th>Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENVI5904</td>
<td>Methods in Applied Ecology</td>
<td>6</td>
<td>2</td>
</tr>
</tbody>
</table>

### Additional Core Units: Master’s Research Pathway Only

- **MARS5507**
  - Marine Research Project A
  - Credit: 12
  - Note: Department permission required for enrolment
  - Students taking MARS5507 must take MARS5508

- **MARS5508**
  - Marine Research Project B
  - Credit: 12
  - Note: Department permission required for enrolment
  - Students taking MARS5507 must take MARS5508

### Electives

- **ENVI5705**
  - Ecological Principles
  - Credit: 6
  - Note: This unit assumes a sound understanding of scientific principles, HSC level Mathematics and understanding of basic statistics.
<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Points</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>MARS4001</td>
<td>Coral Reefs, Science and Management</td>
<td>6</td>
<td>A 48 credit points of 3000-level units of study</td>
</tr>
<tr>
<td></td>
<td><strong>To be developed for offering in 2021</strong></td>
<td></td>
<td><strong>P TBD</strong></td>
</tr>
<tr>
<td></td>
<td><strong>TBD</strong></td>
<td></td>
<td><strong>N TBD</strong></td>
</tr>
<tr>
<td>MARS5006</td>
<td>Coral Reefs, Science and Management</td>
<td>6</td>
<td>A This unit assumes a sound understanding of scientific principles, HSC level mathematics and understanding of basic statistics.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td><strong>Note: Department permission required for enrolment</strong></td>
</tr>
<tr>
<td>WILD5001</td>
<td>Australasian Wildlife: Introduction</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td><strong>Note: Department permission required for enrolment</strong></td>
</tr>
<tr>
<td>WILD5002</td>
<td>Australasian Wildlife: Field Studies</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td><strong>Note: Department permission required for enrolment</strong></td>
</tr>
<tr>
<td>WILD5006</td>
<td>Ex Situ Wildlife Management</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td><strong>Note: Department permission required for enrolment</strong></td>
</tr>
<tr>
<td></td>
<td><strong>Marine Geosciences / Coastal Engineering</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>GEOG5001</td>
<td>Geographic Information Science A</td>
<td>6</td>
<td>A This unit assumes a sound understanding of scientific principles, HSC level mathematics and understanding of basic statistics.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td><strong>Semester 1</strong></td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
<td>Credits</td>
<td>Prerequisites/Notes</td>
</tr>
<tr>
<td>-------------</td>
<td>--------------</td>
<td>---------</td>
<td>---------------------</td>
</tr>
<tr>
<td>GEOG5004</td>
<td>Environmental Mapping and Monitoring</td>
<td>6</td>
<td>A This unit assumes a sound understanding of scientific principles, HSC level mathematics and understanding of basic statistics. Semester 2</td>
</tr>
<tr>
<td>MARS5007</td>
<td>Coral Reefs and Climate Change</td>
<td>6</td>
<td>Semester 1a</td>
</tr>
<tr>
<td><strong>Physical Oceanography / Marine Engineering</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CIVL9612</td>
<td>Fluid Mechanics</td>
<td>6</td>
<td>A CIVL9201 AND CIVL9611 AND (ENG9802 OR CIVL9802). This unit of study follows on from Fluid Mechanics CIVL9611, which provides the essential fundamental fluid mechanics background and theory, and is assumed to be known and fully understood. Semester 1</td>
</tr>
<tr>
<td>CIVL5670</td>
<td>Reservoir, Stream and Coastal Engineering</td>
<td>6</td>
<td>A (CIVL3612 OR CIVL9612) AND MATH2061 Semester 1</td>
</tr>
<tr>
<td><strong>Environmental Management / Sustainability</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AFNR5801</td>
<td>Climate Change: Process, History, Issues</td>
<td>6</td>
<td>A A basic understanding of climate change processes and issues. Semester 2</td>
</tr>
<tr>
<td>ENVI5809</td>
<td>Environmental Simulation Modelling</td>
<td>6</td>
<td>A This unit assumes a sound understanding of scientific principles, HSC level Mathematics and understanding of basic statistics. Semester 2a</td>
</tr>
<tr>
<td>ENVI5903</td>
<td>Sustainable Development</td>
<td>6</td>
<td>Note: Department permission required for enrolment This unit of study involves additional costs. Intensive July</td>
</tr>
<tr>
<td>PHYS5032</td>
<td>Techniques for Sustainability Analysis</td>
<td>6</td>
<td>Minimum class size of 5 students. Semester 1 Semester 2</td>
</tr>
<tr>
<td>Course Code</td>
<td>Title</td>
<td>Credits</td>
<td>Semester</td>
</tr>
<tr>
<td>-------------</td>
<td>--------------------------------------------</td>
<td>---------</td>
<td>----------------</td>
</tr>
<tr>
<td>PHYS5033</td>
<td>Environmental Footprints and IO Analysis</td>
<td>6</td>
<td>Semester 1</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Semester 2</td>
</tr>
<tr>
<td>SUST5005</td>
<td>Law, Policy and Sustainability</td>
<td>6</td>
<td>Intensive</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>October</td>
</tr>
</tbody>
</table>

Minimum class size of 5 students.

This unit of study involves essay-writing. Academic writing skills equivalent to HSC Advanced English or significant consultation via the Writing Hub is assumed.
Non-Confidential

<table>
<thead>
<tr>
<th>Author</th>
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<tr>
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<td>Professor Pauline Ross, Associate Dean, Education</td>
</tr>
<tr>
<td>Paper title</td>
<td>Master of Mathematical Sciences unit of study Table</td>
</tr>
</tbody>
</table>

**Purpose**

In plain language, provide the purpose of the submission (do not use acronyms, abbreviations or technical language). Content should be 1-2 sentences in length.

To amend the Master of Mathematical Sciences unit of study table to incorporate new units of study.

**RECOMMENDATION**

That the Graduate Studies Committee recommend that the Academic Board:

1. approve the proposal from the Faculty of Science to amend the Master Mathematical Sciences; and
2. approve the amendment of the unit of study table arising from the proposal, with effect from 1 January 2020.

**EXECUTIVE SUMMARY**

The proposed changes include updating the unit of study table to incorporate four new 5000-level units of study that make up the 24-credit point project, a wide range of additional 5000-level and 4000-level units of study, and some 3000-level units of study for 2020.

**IMPLEMENTATION**

For implementation commencing 1 January 2020. New Units of Study will be reported to Academic Model as part of New Unit reporting in 2019. The existing 3000, 4000 and 5000-level diet collections will need to be updated with the new Unit of Study codes. The updated table will be included in the 2020 Postgraduate Handbook.

**ATTACHMENTS**

1. Minor Course Amendment Proposal
2. Master of Mathematical Sciences unit of study table
3. An explanation of the MMathSci suite of 5000-level units
Minor Course Amendment Proposal

Faculty: Faculty of Science

Contact person: Mary Myerscough

1. Name of award course
   Master of Mathematical Sciences

2. Purpose of proposal
   To refine the Table for this degree, so that it includes new units created for 2020.

3. Details of amendment
   The resolutions of the MMathSci and corresponding Graduate Diploma and Graduate Certificate say "Requirements for award"
   (1) The units of study that may be taken for the course are set out in the postgraduate table of units of study for the Mathematics subject area.
   (2) To qualify for the award of Master of Mathematical Sciences a candidate must complete 96 credit points including: (a) No more than 24 credit points of 3000 level electives; and (b) No more than 48 credit points of 4000 level electives; and (c) At least 12 credit points of 5000 level electives; and (d) 24 credit points of research core project units.
   (3) To qualify for the award of Graduate Diploma, a candidate must complete 72 credit points including: (a) No more than 24 credit points of 3000 level electives; and (b) At least 24 credit points of electives at 4000 level or above, and (c) 24 credit points of research core project units.
   (4) To qualify for the award of Graduate Certificate, a candidate must complete 48 credit points including (a) No more than 24 credit points of 3000 level electives; and (b) At least 24 credit points of electives at 4000 level or above."

   The new Table includes four 5000 level units that together make up a 24 credit point project, a wide range of 4000 level units (most in common with honours and other BAdvStudies units) and a substantial number of 5000 level units.

4. Transitional arrangements
   This is a new degree so no transitional arrangements are required.

5. Other relevant information

6. Signature of Dean
   [Signature]

   Prof Iain M Young
   Dean, Faculty of Science
MATHEMATICAL SCIENCES
Units of study table

<table>
<thead>
<tr>
<th>Unit of study</th>
<th>Credit points</th>
<th>A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition</th>
<th>Session</th>
</tr>
</thead>
</table>

### Mathematical Sciences

#### Master of Mathematical Sciences
Master students must complete 96 credit points including:

(a) No more than 24 credit points of 3000-level electives; and

(b) No more than 48 credit points of 4000-level electives; and

(c) At least 12 credit points of 5000-level electives; and

(d) 24 credit points of research core project units.

#### Graduate Diploma in Mathematical Sciences
Graduate Diploma students must complete 72 credit points including:

(a) No more than 24 credit points of 3000-level electives; and

(b) At least 24 credit points of electives at 4000-level or above, and

(c) 24 credit points of research core project units

#### Graduate Certificate in Mathematical Sciences
Graduate Certificate students must complete 72 credit points including:

(a) No more than 24 credit points of 3000-level electives; and

(b) At least 24 credit points of electives at 4000-level or above.

#### 3000-level electives

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credit</th>
<th>Assumed knowledge</th>
<th>Prerequisites</th>
<th>Corequisites</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>DATA3888</td>
<td>6</td>
<td>P DATA2001 or DATA2901 or DATA2002 or DATA2902 or STAT2912 or STAT2012</td>
<td></td>
<td></td>
<td>Semester 2</td>
</tr>
<tr>
<td>FMAT3888</td>
<td>6</td>
<td>A STAT2X11, MATH2X70</td>
<td>P (MATH2070 or MATH2970) and (STAT2011 or STAT2911)</td>
<td></td>
<td>Semester 2</td>
</tr>
<tr>
<td>Code</td>
<td>Title</td>
<td>Level</td>
<td>Points</td>
<td>Pre-reqs</td>
<td>Semester</td>
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<td>-------</td>
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<td>--------------------------------------------------------------------------</td>
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</tr>
<tr>
<td>MATH3061</td>
<td>Geometry and Topology</td>
<td>6</td>
<td>12</td>
<td>P 12 credit points of Intermediate Mathematics and N MATH3001 or MATH3006</td>
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</tr>
<tr>
<td>MATH3066</td>
<td>Algebra and Logic</td>
<td>6</td>
<td>6</td>
<td>P 6 credit points of Intermediate Mathematics and N MATH3062 or MATH3065</td>
<td>1</td>
</tr>
<tr>
<td>MATH3068</td>
<td>Analysis</td>
<td>6</td>
<td>12</td>
<td>P 12 credit points of Intermediate Mathematics and N MATH3008 or MATH2X23 or MATH2007 or MATH2907 or MATH2962</td>
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</tr>
<tr>
<td>MATH3888</td>
<td>Projects in Mathematics</td>
<td>6</td>
<td>6</td>
<td>P (MATH2921 or MATH2021 or MATH2065 or MATH2965 or MATH2061 or MATH2961 or MATH2923 or MATH2023) and (MATH2922 or MATH2022 or MATH2061 or MATH2961 or MATH2088 or MATH2988)</td>
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</tr>
<tr>
<td>MATH3975</td>
<td>Financial Derivatives (Advanced)</td>
<td>6</td>
<td>6</td>
<td>P Credit average or greater in 12 credit points of Intermediate Mathematics (including MATH2070 or MATH2970) and N MATH3933 or MATH3015 or MATH3075</td>
<td>2</td>
</tr>
<tr>
<td>STAT3021</td>
<td>Stochastic Processes</td>
<td>6</td>
<td>6</td>
<td>P STAT2X11 and (MATH1003 or MATH1903 or MATH1907 or MATH1023 or MATH1923 or MATH1933) and N STAT3911 or STAT3011</td>
<td>1</td>
</tr>
<tr>
<td>STAT3921</td>
<td>Stochastic Processes (Advanced)</td>
<td>6</td>
<td>6</td>
<td>P (STAT2011 or STAT2911) and MATH1003 or MATH1903 or MATH1907 or MATH1023 or MATH1923 or MATH1933 and N STAT3011, STAT3911, STAT3021, STAT3003, STAT3903, STAT3005, STAT3905 or STAT4021</td>
<td>1</td>
</tr>
<tr>
<td>STAT3888</td>
<td>Statistical Machine Learning</td>
<td>6</td>
<td>6</td>
<td>A STAT3012 or STAT3912 or STAT3022 or STAT3922 and P STAT2X11 and (DATA2X02 or STAT2X12) and N STAT3914 or STAT3014</td>
<td>2</td>
</tr>
<tr>
<td>STAT3922</td>
<td>Applied Linear Models (Advanced)</td>
<td>6</td>
<td>6</td>
<td>P STAT2X11 and [a mark of 65 or greater in (STAT2X12 or DATA2X02)] and N STAT3912 or STAT3012 or STAT3022</td>
<td>1</td>
</tr>
<tr>
<td>STAT3923</td>
<td>Statistical Inference (Advanced)</td>
<td>6</td>
<td>6</td>
<td>P STAT2X11 and a mark of 65 or greater in (DATA2X02 or STAT2X12) and N STAT3913 or STAT3013 or STAT3023</td>
<td>2</td>
</tr>
</tbody>
</table>

**4000-level electives**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Level</th>
<th>Points</th>
<th>Pre-reqs</th>
<th>Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH4061</td>
<td>Metric Spaces</td>
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<td>MATH2961</td>
<td>Rings, Fields and Galois Theory</td>
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<td>P (MATH2922 or MATH2961) or a mark of 65 or greater in (MATH2922 or MATH2061) or 12cp from (MATH3061 or MATH3066 or MATH3063 or MATH3076 or MATH3078 or MATH3962 or MATH3963 or MATH3968 or MATH3969 or MATH3971 or MATH3974 or MATH3976 or MATH3977 or MATH3978 or MATH3979) or N MATH3062 or MATH3962</td>
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<td>MATH2061</td>
<td>Dynamical Systems and Applications</td>
<td>6</td>
<td>A MATH2061 or MATH2961 or (MATH2X21 and MATH2X22) or (MATH2X21 and MATH2X22)</td>
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<td>Differential Geometry</td>
<td>6</td>
<td>A (MATH2921 and MATH2961) or MATH2961 or (MATH2X21 and MATH2X22)</td>
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<td>Measure Theory and Fourier Analysis</td>
<td>6</td>
<td>A (MATH2921 and MATH2961) or MATH2961 or (MATH2X21 and MATH2X22)</td>
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<td>Convex Analysis and Optimal Control</td>
<td>6</td>
<td>A MATH2X21 and MATH2X23 and STAT2X11 or (MATH2X21 and MATH2X23 and STAT2X11)</td>
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<td>Fluid Dynamics</td>
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<td>MATH4077</td>
<td>Lagrangian and Hamiltonian Dynamics</td>
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<td>PDEs and Applications</td>
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<td>MATH4511</td>
<td>Arbitrage Pricing in Continuous Time</td>
<td>6</td>
<td>At least 6 credit points of (2000 Advanced Mathematics or 3000 Advanced Mathematics units) or [12cp from the following units (MATH3061 or MATH3066 or MATH3063 or MATH3076 or MATH3078 or MATH3961 or MATH3962 or MATH3963 or MATH3968 or MATH3969 or MATH3971 or MATH3974 or MATH3976 or MATH3977 or MATH3978)]</td>
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<tr>
<td>MATH4512</td>
<td>Stochastic Analysis</td>
<td>6</td>
<td>Students should have sound knowledge of probability theory and stochastic processes from, for example, STAT2X11 and STAT3021 or equivalent.</td>
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<tr>
<td>MATH4513</td>
<td>Topics in Financial Mathematics</td>
<td>6</td>
<td>Students are expected to have working knowledge of Stochastic Processes, Stochastic Calculus and mathematical methods used to price options and other financial derivatives, for example as in MATH4511 or equivalent</td>
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<td>Semester 2</td>
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<td>MATH4311</td>
<td>Algebraic Topology</td>
<td>6</td>
<td>(MATH2922 or MATH2961 or equivalent) and (MATH2923 or equivalent), Familiarity with abstract algebra and basic topology.</td>
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<td>MATH4312</td>
<td>Commutative Algebra</td>
<td>6</td>
<td>A MATH2922 or equivalent. Familiarity with abstract algebra.</td>
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<tr>
<td>MATH4313</td>
<td>Real Analysis</td>
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<td>A Real Analysis (for example, MATH2X23 or equivalent).</td>
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<td>Course Title</td>
<td>Assumed Knowledge</td>
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<td>MATH4314</td>
<td>Functional Analysis and, preferably, knowledge of Metric Spaces.</td>
<td>A (MATH2922 or MATH2961 or equivalent). Familiarity with abstract algebra, specifically vector space theory and basic group theory.</td>
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<td>MATH4315</td>
<td>Representation Theory</td>
<td>A Assumed knowledge of MATH2023 or MATH2923; MATH4061 or MATH3961; MATH3969 or MATH4069; MATH4313 or equivalent. That is, real analysis, basic functional analysis and some acquaintance with metric spaces or measure theory.</td>
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<tr>
<td>MATH4411</td>
<td>Variational Methods</td>
<td>A MATH2X21 (Vector Calculus) MATH2X22 (Linear Algebra). Some familiarity with partial differential equations (MATH3978) and mathematical computing (MATH3976) is assumed.</td>
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<tr>
<td>MATH4412</td>
<td>Applied Computational Mathematics</td>
<td>A MATH2X21 (Vector Calculus), MATH2X22 (Linear Algebra) or equivalent. Some familiarity with partial differential equations (MATH3978) and mathematical computing (MATH3976) is also assumed.</td>
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<td>MATH4413</td>
<td>Advanced Methods in Applied Mathematics</td>
<td>A MATH2X21 and MATH3X63 or equivalent. That is, a knowledge of linear and simple nonlinear ordinary differential equations and of linear, second order partial differential equations.</td>
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<tr>
<td>MATH4414</td>
<td>Advanced Dynamical Systems</td>
<td>A Assumed knowledge is MATH2X21 (Vector Calculus), MATH2X22 (Linear Algebra), MATH4063 (Dynamical Systems and Applications) or equivalent. Some familiarity with partial differential equations (MATH3978) and mathematical computing (MATH3976) is also assumed.</td>
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<td>STAT4021</td>
<td>Stochastic Processes and Applications</td>
<td>A STAT2011 or STAT2911, and MATH1003 or MATH1903 or MATH1907 or MATH1023 or MATH1933 or equivalent. That is, students are expected to have a thorough knowledge of basic probability and integral calculus and to have achieved at credit level or above in their studies in these topics.</td>
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<td>STAT4022</td>
<td>Linear and Mixed Models</td>
<td>A Material in DATA2X02 or equivalent and MATH1X02 or equivalent; that is, a knowledge of applied statistics and an introductory knowledge to linear algebra, including eigenvalues and eigenvectors.</td>
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<tr>
<td>STAT4023</td>
<td>Theory and Methods of Statistical Inference</td>
<td>A STAT2X11 and (DATA2X02 or STAT2X12) or equivalent. That is, a grounding in probability theory and a good knowledge of the foundations of applied statistics.</td>
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<td>Prerequisites/Notes</td>
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<td>STAT4025</td>
<td>Time Series</td>
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<td>STAT4026</td>
<td>Statistical Consulting</td>
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<td>P At least 12cp from STAT2X11, STAT2X12, DATA2X02 and STAT3XXX</td>
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<td>P STAT3x12 and STAT3x13</td>
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<tr>
<td>STAT4027</td>
<td>Advanced Statistical Modelling</td>
<td>6</td>
<td>A A three year major in statistics or equivalent including familiarity with material in DATA2X02 and STAT3X22 (Applied statistics and linear models) or equivalent</td>
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<td>P STAT3x12 and STAT3x13</td>
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<tr>
<td>STAT4028</td>
<td>Probability and Mathematical</td>
<td>6</td>
<td>A STAT3X23 or equivalent: that is, a sound working and theoretical knowledge of statistical inference</td>
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<td>Statistics</td>
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<tr>
<td>STAT4528</td>
<td>Probability and Martingale Theory</td>
<td>6</td>
<td>A STAT2X11 or equivalent and STAT3X21 or equivalent; that is, a good foundational knowledge of probability and some acquaintance with stochastic processes</td>
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5000-level electives

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<td>DATA5710</td>
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<td>DATA5711</td>
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Note: To be developed for offering in 2023
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**Research core project units**

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An explanation of the MMathSci suite of 5000 level units.

Coursework Masters degrees in the Mathematical Sciences have growing enrolments, both at Melbourne and at ANU. Introducing this degree at Sydney will enable the university to attract the most able and highly motivated students in Mathematics and Statistics to complete a postgraduate coursework degree both as preparation for PhD study and for in-depth learning for its own sake or for work in industries such as Finance and Data Science.

To complete the MMathSci students are require to complete 96 units which comprise

- 24 credit points of core research project (MSCI5101, MSCI5102, MSCI5103, MSCI5104)
- No more than 24 credit point of 3000 level electives
- No more than 48 credit points of 4000 level electives
- At least 12 credit points of 5000 level electives

For students who are doing embedded BSc/MMathSci degrees, they may count up to 24 credit points from their BSc towards the MMathSci.

We anticipate that many students in the MMathSci course will complete more than the minimum 12 credit points of 5000 level units.

We present here four 6cp project units (on a single proposal); seven pairs of 6cp coursework units that are intended to be presented in alternating years, with each pair on a single proposal; and five single 6cp units. The format and rationale for these units have been inspired by postgraduate mathematics and statistics courses in premier universities around the world. (See the examples in the Appendix.) The coursework ranges across the School’s specialities of Pure Mathematics, Applied Mathematics, Financial Mathematics and Statistics, Data Science, and Statistics.

The School’s intention is that these units build on specialist units at 4000 level and provide flexible framework for students to develop specialist, research-ready expertise. This framework should be sufficiently nimble to take advantage of guest lectures from visitors to the Sydney Mathematics Research Institute (SMRI), to address current research hot topics and to take advantage of the variety of staff expertise in the School. The Faculty of Engineering have expressed interest in using some of these 5000 level units as part of their Master of Complex System degree.

Many topics are presented as pairs of units with the same title, but different unit codes. The unit codes end in “0” for units offered in even years and “1” for units offered in odd years. We intend that students can do either or both units in a pair but that there will be no overlap of material in consecutive years. For example, the unit “MATH5430 Mathematical Models for Natural Phenomena” may be presented as a course on Mathematical Epidemiology in one year to take advantage of an eminent Mathematical Biologist’s visit to SMRI and in the next year as “MATH5431 Mathematical Modelling of Natural Phenomena” it may be a course on High Reynolds Number Fluid Flow taking advantage of staff availability and collaborations.

Other units such as DATA5711 Bayesian Computational Statistics, will retain a moderately fixed content, but will have different emphases depending on which staff teach the unit.

These units are presented as a suite but it is not intended that all units will be offered every year. In particular, we intend to implement a staged introduction of 5000 level offerings from 2020 to 2023, by which time students who are completing the embedded BSc/MMathSci degree program will have entered the MMathSci. (The first of this cohort starts the MMathSci part of their degree in 2022.) The table on the next page gives information about the staged introduction of units and the overall plan of coursework offerings.

Presenting the entire suite together allows the Faculty Education committee to have an informed overview of the degree program and saves committee time on deliberating on sets of units which can be presented as a single proposal but will run in alternate years.
Units are shown in bold italic in the year that they are first introduced.

<table>
<thead>
<tr>
<th>Year</th>
<th>Unit code</th>
<th>Unit title</th>
<th>Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>2020 onwards</td>
<td>MSCI510, 5102, 5103, 5104</td>
<td>Master of Mathematical Sciences Project A, B, C and D</td>
<td>1 and 2</td>
</tr>
<tr>
<td>2020</td>
<td>MATH5310</td>
<td>Topics in Algebra</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>MATH5410</td>
<td>Special Topics in Applied Mathematics</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>DATA5441</td>
<td>Networks and High-dimensional Inference</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>DATA5710</td>
<td>Applied Statistics for Complex Data</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>MATH5330</td>
<td>Topics in Geometry</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>MATH5430</td>
<td>Mathematical Models for Natural Phenomena</td>
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</tr>
<tr>
<td></td>
<td>MATH5550</td>
<td>Optimal Control and Game Theory</td>
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<td>Advanced Inference</td>
<td>2</td>
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<tr>
<td>2021</td>
<td>MATH5321</td>
<td>Topics in Analysis</td>
<td>1</td>
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<tr>
<td></td>
<td>MATH5411</td>
<td>Special Topics in Applied Mathematics</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>MATH5551</td>
<td>Stochastics and Finance</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>DATA5441</td>
<td>Networks and High-dimensional Inference</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>STAT5611</td>
<td>Statistical Methodology</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>MATH5341</td>
<td>Topics in Topology</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>MATH5421</td>
<td>Deterministic and Stochastic Systems</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>DATA5711</td>
<td>Bayesian Computational Statistics</td>
<td>2</td>
</tr>
<tr>
<td>2022</td>
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<tr>
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</tr>
<tr>
<td></td>
<td>DATA5441</td>
<td>Networks and High-dimensional Inference</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>DATA5710</td>
<td>Applied Statistics for Complex Data</td>
<td>1</td>
</tr>
<tr>
<td></td>
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<td></td>
<td>STAT5610</td>
<td>Advanced Inference</td>
<td>2</td>
</tr>
<tr>
<td>2023</td>
<td>MATH5311</td>
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<td>MATH5321</td>
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<tr>
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<td>MATH5331</td>
<td>Topics in Geometry</td>
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</tr>
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<td></td>
<td>MATH5341</td>
<td>Topics in Topology</td>
<td>2</td>
</tr>
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<td></td>
<td>MATH5421</td>
<td>Deterministic and Stochastic Systems</td>
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<td></td>
<td>MATH5431</td>
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<tr>
<td></td>
<td>DATA5711</td>
<td>Bayesian Computational Statistics</td>
<td>2</td>
</tr>
</tbody>
</table>
The purpose of this document is to provide the committee with a summary of the proposed minor amendments to the Master of Medicine and Master of Science in Medicine (Infection and Immunity) to take effect from 2020.

**RECOMMENDATION**

That the Graduate Studies Committee recommend that Academic Board:

1) approve the proposal from the Faculty of Medicine and Health to amend the Master of Medicine (Infection and Immunity); Master of Science in Medicine (Infection and Immunity); Graduate Diploma in Infection and Immunity, Graduate Diploma of Science in Infection and Immunity; Graduate Certificate in Infection and Immunity; Graduate Certificate of Science in Infection and Immunity; and

2) approve the amendment of Unit of Study Tables arising from the proposal, with effect from 1 January 2020.

**EXECUTIVE SUMMARY**

The proposed changes will require a change to the degree resolutions as well as a change to the Table of Units of Study.

The purpose of the capstone is to meet the new requirements in relation to the curriculum as part of the University’s 2016-2020 strategy, and in response to a review of the degree which was undertaken in 2018. We are also retiring the Infection Control and Epidemiology unit of study and incorporating elements of that course material into the new capstone unit.

The additional changes are in response to the development of a new unit of study that is appropriate for offering into this degree (Pathogen Genomics) as well as breakthroughs in immunotherapies that warrant inclusion in an existing unit (Clinical Immunology and Immunotherapy). It is also envisaged that the new Clinical Immunology and Immunotherapy unit will form part of a professional certificate in conjunction with the existing Principles of Immunology unit.

The AQF outcomes are not in any way affected by the above listed changes.

**ATTACHMENTS**

Minor course amendment and Unit of Study Tables
Minor Course Amendment Proposal

Faculty: Medicine and Health

School: Sydney Medical School

Contact person: Megan Steain
9351 6178
megan.steain@sydney.edu.au

1. Name of award course

Graduate Certificate in Infection and Immunity (GCINFIMM1000)
Graduate Certificate of Science in Infection and Immunity (GCINFIMM1000)
Graduate Diploma in Infection and Immunity (GNINFIMM1000)
Graduate Diploma of Science in Infection and Immunity (GNINFIMM1000)
Master of Medicine (Infection and Immunity) (MAMEINIM1000)
Master of Science in Medicine (Infection and Immunity) (MASMINIM1000)

2. Purpose of proposal

The purpose of this proposal is to:

i. Introduce a capstone unit into the Master degrees (INIM5100 Infection and Immunity Capstone)

ii. Replace Clinical and Laboratory Immunology (INIM5211) with Clinical Immunology and Immunotherapy (INIM5112)

iii. Introduce an additional elective (PGEN5001 Pathogen Genomics) into the Master and Graduate Diploma degrees.

iv. Retire an existing unit of study (INIM5012 Infection Control and Epidemiology).

These changes will require a change to the degree resolutions as well as a change to the Table of Units of Study.

The purpose of the capstone is to meet the new requirements in relation to the curriculum as part of the University's 2016-2020 strategy, and in response to a review of the degree which was undertaken in 2018. We are also retiring the Infection Control and Epidemiology unit of study and incorporating elements of that course material into the new capstone unit.

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3. Details of amendment

New units of study

New units of study (new or to replace an existing unit) are proposed as detailed below (see Unit of Study forms and unit of study tables below).

<table>
<thead>
<tr>
<th>Unit of study</th>
<th>Summary</th>
</tr>
</thead>
<tbody>
<tr>
<td>INIM5100</td>
<td>This unit is the capstone unit for the Master course and will bring</td>
</tr>
</tbody>
</table>
Infection and Immunity Capstone

Together learning from other the 4 core subjects. It will teach students to critically evaluate research in infectious diseases and immunology as well as apply it to tackle current problems in these fields.

This unit will be listed as a core unit in the Master’s courses.

INIM5112 Clinical Immunology and Immunotherapy (replaces INIM5211)

This unit will provide understanding and core competencies in methods used in the Clinical Immunology laboratory to evaluate the human immune system in health and disease, as well as new advances in monoclonal antibody therapies for a range of diseases.

This unit will be listed as a core unit in the Master, Graduate Diploma and Graduate Certificate awards.

PGEN5001 Pathogen Genomics

This unit will introduce students to bacterial genomes, how they change and how that change can be measured and provide an appreciation for the artistry of bacterial virulence and how understanding these mechanisms can inform overall general health outcomes for humans.

This unit will be listed as an elective unit in the

Retired units of study

INIM5012

This unit is being retired to allow us to focus on the development of our new capstone unit. Elements of this unit that are still applicable to infection and immunity are being retained for use in the capstone.

Degree Resolutions to change:

Requirements for award:
(1) The units of study that may be taken for the course are set out in the Table of Units of Study: Infection and Immunity.

(2) To qualify for the award of the Graduate Certificate in Infection and Immunity a candidate must successfully complete 24 credit points of core units of study.

(3) To qualify for the award of the Graduate Diploma in Infection and Immunity a candidate must successfully complete 36 credit points, including:
(a) 24 credit points of core units of study; and
(b) 12 credit points of selective or elective units of study.

(4) To qualify for the award of the Master of Medicine (Infection and Immunity) or Master of Science in Medicine (Infection and Immunity) a candidate must successfully complete 48 credit points, including:
(a) 24 30 credit points of core units of study; and
(b) 24 18 credit points of selective or elective units of study.

4. Transitional arrangements

Continuing students and new students enrolling in 2020 into the award courses will be offered the capstone unit (Masters only), INIM5112 instead of INIM5211, as well as the new units of study as an option if they wish to undertake it in order to complete their required credit points. Continuing students who have already completed INIM5012 will still be able to include this as a core to meet the degree requirements.
5. **Other relevant information**
   See attachments below:
   1. Units of study tables
   2. Unit of study forms

6. **Signature of Dean**
# INFECTION AND IMMUNITY

## Table of units of study: Infection and Immunity

<table>
<thead>
<tr>
<th>Unit of study</th>
<th>Credit points</th>
<th>A: Assumed knowledge</th>
<th>P: Prerequisites</th>
<th>C: Corequisites</th>
<th>N: Prohibition</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Core units</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>INIM5111 Principles in Immunology</td>
<td>6</td>
<td>A Fundamental concepts in Biochemistry and Cell Biology</td>
<td></td>
<td></td>
<td></td>
<td>Semester 1</td>
</tr>
<tr>
<td>INIM5002 Virology and Cell Technology</td>
<td>6</td>
<td>A Undergraduate Microbiology or Infectious Diseases</td>
<td></td>
<td></td>
<td></td>
<td>Semester 2</td>
</tr>
<tr>
<td>INIM5011 Advanced Medical Bacteriology</td>
<td>6</td>
<td>A Undergraduate Microbiology or Infectious Diseases</td>
<td></td>
<td></td>
<td></td>
<td>Semester 1</td>
</tr>
<tr>
<td><strong>INIM5112 Clinical Immunology and Immunotherapy</strong></td>
<td>6</td>
<td>A Undergraduate Microbiology or Infectious Diseases</td>
<td></td>
<td></td>
<td></td>
<td>Semester 2</td>
</tr>
<tr>
<td><em>It is preferable to complete INIM5111, Principles in Immunology, in First Semester, before Clinical Immunology and Immunotherapy. But this is not essential if a student starting in Second Semester has previously studied any undergraduate immunology.</em></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>INIM5012 Infection Control and Epidemiology</td>
<td>6</td>
<td>A Undergraduate Microbiology or Infectious Diseases</td>
<td></td>
<td></td>
<td></td>
<td>Semester 2</td>
</tr>
<tr>
<td>INIM5100 Infection and Immunity Capstone</td>
<td>6</td>
<td>A Undergraduate Microbiology or Infectious Diseases</td>
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<td></td>
<td></td>
<td>Semester 2</td>
</tr>
<tr>
<td><strong>Selective units</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>INIM5013 Clinical Mycology and Parasitology</td>
<td>6</td>
<td>A Undergraduate units in microbiology or medical microbiology.</td>
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<td></td>
<td></td>
<td>Semester 1</td>
</tr>
<tr>
<td>INIM5022 Global Control of Infectious</td>
<td>6</td>
<td>A Undergraduate bacteriology and virology; basic concepts of epidemiology</td>
<td></td>
<td></td>
<td></td>
<td>Semester 2</td>
</tr>
</tbody>
</table>

Masters students must complete 30 credit points of core units of study and 18 credit points of selective or elective units.
<table>
<thead>
<tr>
<th>Elective units</th>
<th>Masters students must complete 18 credit points of selective or elective units</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Unit of study</th>
<th>Credit points</th>
<th>A: Assumed knowledge</th>
<th>P: Prerequisites</th>
<th>C: Corequisites</th>
<th>N: Prohibition</th>
<th>Session</th>
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<tbody>
<tr>
<td>SEXH5200</td>
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<tr>
<td>Advanced STIs</td>
<td></td>
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<td>Semester 1</td>
</tr>
<tr>
<td>PGEN5001</td>
<td>6</td>
<td><strong>A Basic understanding of microbiology or medical microbiology and genetics.</strong></td>
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<td>Semester 2</td>
</tr>
<tr>
<td>Pathogen Genomics</td>
<td></td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Core units</th>
<th>Graduate Diploma students must complete 24 credit points of core units of study</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Unit of study</th>
<th>Credit points</th>
<th>A: Assumed knowledge</th>
<th>P: Prerequisites</th>
<th>C: Corequisites</th>
<th>N: Prohibition</th>
<th>Session</th>
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<tr>
<td>INIM5111</td>
<td>6</td>
<td><strong>A Fundamental concepts in Biochemistry and Cell Biology</strong></td>
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</tr>
<tr>
<td>Principles in Immunology</td>
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<tr>
<td>INIM5002</td>
<td>6</td>
<td><strong>A Undergraduate Microbiology or Infectious Diseases</strong></td>
<td></td>
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<td></td>
<td>Semester 2</td>
</tr>
<tr>
<td>Virology and Cell Technology</td>
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<tr>
<td>INIM5011</td>
<td>6</td>
<td><strong>A Undergraduate Microbiology or Infectious Diseases</strong></td>
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<tr>
<td>Advanced Medical Bacteriology</td>
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<tr>
<td>Clinical Immunology and Immunotherapy</td>
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<tr>
<td>INIM5012</td>
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<td>Semester 2</td>
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<tr>
<td>Infection Control and Epidemiology</td>
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</table>
**Selective units**
Graduate Diploma students must complete 12 credit points of selective or elective units of study

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credit Points</th>
<th>Prerequisites</th>
<th>Session</th>
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<tr>
<td>INIM5013 Clinical Mycology and Parasitology</td>
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<td>SEXH5200 Advanced STIs</td>
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<td>PGEN5001 Pathogen Genomics</td>
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</table>

**Unit of study**
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<thead>
<tr>
<th>Unit of study</th>
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**Core units**
Graduate Certificate students must complete 24 credit points of core units of study

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<tr>
<th>Course Code</th>
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<th>Prerequisites</th>
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<tr>
<td>INIM5111 Principles in Immunology</td>
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<td>A Undergraduate Microbiology or Infectious Diseases</td>
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<tr>
<td>INIM5112 Clinical Immunology and</td>
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<td>Semester 2</td>
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### Immunotherapy

*It is preferable to complete INIM5111, Principles in Immunology, in First Semester, before Clinical Immunology and Immunotherapy. But this is not essential if a student starting in Second Semester has previously studied any undergraduate immunology.*

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Semester</th>
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<td>Infection Control and Epidemiology</td>
<td>6</td>
<td>Semester 2</td>
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<tr>
<td></td>
<td>(Undergraduate Microbiology or Infectious Diseases)</td>
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</table>
Non-Confidential

<table>
<thead>
<tr>
<th>Author</th>
<th>Narelle Da Costa</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reviewer/Approver</td>
<td></td>
</tr>
<tr>
<td>Paper title</td>
<td>Pharmacy School: Minor Course Amendment Proposal</td>
</tr>
<tr>
<td>Purpose</td>
<td>The purpose of this proposal is to seek approval of the Graduate Studies Committee to endorse the proposed changes for the Master of Pharmacy program.</td>
</tr>
</tbody>
</table>

RECOMMENDATION

That the Graduate Studies Committee recommend that Academic Board:

1) approve the proposal from the Faculty of Medicine and Health to amend the Master of Pharmacy; and
2) approve the amendment of the Unit of Study Tables arising from the proposal, with effect from 1 January 2020.

EXECUTIVE SUMMARY

It is proposed that these changes to the Master of Pharmacy program will be effective from 2020.

BACKGROUND / CONTEXT

A new Master of Pharmacy curriculum was introduced in 2017 and a post implementation review has identified inequity in workload associated with assigned credit points for units and the need for stand-alone units for dispensing content of the degree.

CONSULTATION

The changes were approved by the FMH Educational Committee via circulation and the FMH Faculty Board approved the changes on 11 April 2019.

IMPLEMENTATION

These changes will be updated within the 2020 Faculty of Medicine and Health Handbook.

COMMUNICATION

These changes will be updated within the 2020 Faculty of Medicine and Health Handbook.

ATTACHMENTS

Attachment (1-7) outlines the amendments to Master of Pharmacy program

ADDITIONAL INFORMATION FROM THE SCHOOL

The school has tried to harmonise study load to 24 CPs each semester, and whilst there appear to be new units, realistically we have simply taken some dispensing/compounding content out from some units to create standalone units and also standardised credits for our placement units.
Minor Course Amendment Proposal – Master of Pharmacy

Faculty: Medicine and Health (Pharmacy)

Contact person: Associate Professor Bandana Saini

1. **Name of award course**
   Master of Pharmacy

2. **Purpose of proposal**
   A new Master of Pharmacy curriculum was introduced in 2017 and a post implementation review has identified inequity in workload associated with assigned credit point values for unit of study and the need for stand alone units of study for the Dispensing content of the program. New units of study and changes in credit point value will address the inequities as indicated in the unit of study table.

3. **Details of amendment**
   Six new units of study to be introduced to clearly delineate workload across units of study and recognise dispensing content in stand-alone units of study.

   **New units of study**
   - PHAR5911 – Introductory Professional Practice
   - PHAR5912 – Dispensing 1
   - PHAR5913 – Experiential Placement 1B
   - PHAR5921 – Dispensing 2
   - PHAR5922 – Experiential Placement 2
   - PHAR5923 – Pharmacy Capstone

   **Changes to existing units of study**
   - PHAR5711 – discontinued and content moved to PHAR5911
   - PHAR5718 – moves from S2CIJL session to S1CIJN session
   - PHAR5719 – discontinued and content moved to PHAR5913
   - PHAR5724 – discontinued and content moved to PHAR5922
   - PHAR5726 – discontinued and content moved to PHAR5727 and PHAR5921
   - PHAR5728 – discontinued and content moved to PHAR5923

4. **Transitional arrangements**
   These changes will apply to candidates from 2020.

5. **Other relevant information**
   The current Master of Pharmacy program has an uneven load of credit points across each semester (Year 1 is 18cp in semester 1 and 30cp in semester 2) and this does not allow international students to self-enrol and thus is a poor student experience. The proposed changes will allocate credit points evenly across semesters (24cp each semester) and address this issue.

6. **Signature of Head of School and Dean**
   [Signature]
   
   Professor Andrew McLachlan
## Pharmacy

Students must complete a prescribed course of 96 credit points of units of study set out below.

### Year 1

<table>
<thead>
<tr>
<th>Unit of Study</th>
<th>Credit Points</th>
<th>A: Assumed Knowledge</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHAR5711 Introductory Professional Practice</td>
<td>3, 6</td>
<td>A 3 credit points of Statistics, 12 credit points of Pharmacology, 12 credit points of Physiology.</td>
<td>Semester 1</td>
</tr>
<tr>
<td>PHAR5712 Pharmaceutical Microbiology</td>
<td>3</td>
<td>A 6 credit points of Biochemistry, 12 credit points of Pharmacology, 12 credit points of Physiology.</td>
<td>Semester 1</td>
</tr>
<tr>
<td>PHAR5713 Medicinal and Pharmaceutical Chemistry</td>
<td>6</td>
<td>A 6 credit points of Biochemistry, 12 credit points of Pharmacology, 12 credit points of Physiology.</td>
<td>Semester 1</td>
</tr>
<tr>
<td>PHAR5714 Pharmaceutics and Formulations</td>
<td>6</td>
<td>A 6 credit points of Biochemistry, 12 credit points of Pharmacology, 12 credit points of Physiology.</td>
<td>Semester 1</td>
</tr>
<tr>
<td>PHAR5912 Dispensing 1</td>
<td>3</td>
<td>A 3 credit points of Calculus, 6 credit points of Biochemistry, 12 credit points of Chemistry.</td>
<td>Semester 2</td>
</tr>
<tr>
<td>PHAR5715 Metabolism and Pharmacokinetics</td>
<td>6</td>
<td>A 3 credit points of Calculus, 6 credit points of Biochemistry, 12 credit points of Chemistry.</td>
<td>Semester 2a</td>
</tr>
<tr>
<td>PHAR5716 Integrated Primary Healthcare 1</td>
<td>6</td>
<td>A 3 credit points of Calculus, 6 credit points of Biochemistry, 12 credit points of Chemistry.</td>
<td>Semester 2b</td>
</tr>
<tr>
<td>PHAR5717 Integrated Primary Healthcare 2</td>
<td>6</td>
<td>A 3 credit points of Calculus, 6 credit points of Biochemistry, 12 credit points of Chemistry.</td>
<td>Semester 2b</td>
</tr>
</tbody>
</table>
### PHAR5718
**Experiential Placement 1A**

<table>
<thead>
<tr>
<th>3</th>
<th></th>
<th>Intensive July June</th>
</tr>
</thead>
</table>

Students must meet all checks and clearances as required and verified by the Office of Clinical Education at The University of Sydney and as set by the faculty prior to commencing this unit of study. Students who have not met verification requirements will not be eligible to attend placements or participate in this unit of study. Students must have successfully passed the Readiness to Practice quiz (scheduled during semester 1) to be eligible to attend placements.

### PHAR5719 PHAR5913
**Experiential Placement 1B**

<table>
<thead>
<tr>
<th>93</th>
<th>P PHAR5718</th>
<th>Intensive December</th>
</tr>
</thead>
</table>

Students must meet all checks and clearances as required and verified by the Office of Clinical Education at The University of Sydney and as set by the faculty prior to commencing this unit of study. Students who have not met verification requirements will not be eligible to attend their placement.

### Year 2

**PHAR5721**
**Neurology and Mental Health**

<table>
<thead>
<tr>
<th>6</th>
<th>P PHAR57911, PHAR5712, PHAR5713, PHAR5714, PHAR5715, PHAR5716, PHAR5717, PHAR5718 C PHAR5722, PHAR5723, PHAR5921</th>
<th>Semester 1</th>
</tr>
</thead>
</table>

**PHAR5722**
**Endocrine, Renal and Cardiovascular**

<table>
<thead>
<tr>
<th>6</th>
<th>P PHAR57911, PHAR5712, PHAR5713, PHAR5714, PHAR5715, PHAR5716, PHAR5717, PHAR5718 C PHAR5721, PHAR5723, PHAR5921</th>
<th>Semester 1</th>
</tr>
</thead>
</table>

**PHAR5723**
**Immunology and Cancer**

<table>
<thead>
<tr>
<th>6</th>
<th>P PHAR57911, PHAR5712, PHAR5713, PHAR5714, PHAR5715, PHAR5716, PHAR5717, PHAR5718 C PHAR5721, PHAR5722, PHAR5921</th>
<th>Semester 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Course Code</td>
<td>Course Name</td>
<td>Credits</td>
</tr>
<tr>
<td>------------</td>
<td>------------------------------------------------</td>
<td>---------</td>
</tr>
<tr>
<td>PHAR5921</td>
<td>Dispensing 2</td>
<td>6</td>
</tr>
<tr>
<td>PHAR5724</td>
<td>Experiential Placement 2</td>
<td>93</td>
</tr>
<tr>
<td>PHAR5725</td>
<td>Public Health and Pharmaceutical Policy</td>
<td>6</td>
</tr>
<tr>
<td>PHAR5726</td>
<td>Dispensing Practice</td>
<td>6</td>
</tr>
<tr>
<td>PHAR5727</td>
<td>Professional Practice</td>
<td>6</td>
</tr>
<tr>
<td>PHAR5728</td>
<td>Pharmacy Capstone</td>
<td>3 6</td>
</tr>
</tbody>
</table>
Non-Confidential

<table>
<thead>
<tr>
<th>Author</th>
<th>Dr Ying Zhang, Academic Lead (Curriculum &amp; Assessment), School of Public Health</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reviewer/Approver</td>
<td></td>
</tr>
<tr>
<td>Paper title</td>
<td>Master of Public Health: Minor Course Amendment Proposal</td>
</tr>
<tr>
<td>Purpose</td>
<td>The purpose of this proposal is to seek approval of the Graduate Studies Committee to approve the new units of studies and various of units of studies for Master of Public Health</td>
</tr>
</tbody>
</table>

RECOMMENDATION

That the Graduate Studies Committee recommend that Academic Board:

1) approve the proposal from the Faculty of Medicine and Health to amend the Master of Public Health; and
2) approve the amendment of the Unit of Study Tables arising from the proposal, with effect from 1 January 2020.

EXECUTIVE SUMMARY

The proposed changes include five new elective units (PUBH5610 Public Health Dissertation 12cp, PUBH5611 Public Health Dissertation A 6cp, PUBH5612 Public Health Dissertation B 6cp, PUBH5125 Environmental Epidemiology 6cp, PUBH5040 One Health 6cp); and variations to three existing elective units (PUBH5126 Genetics and Public Health, PUBH5416 Vaccines in Public Health, PUBH5555 Lifestyle and chronic disease prevention).

It is proposed that these changes will be effective from 2020.

BACKGROUND / CONTEXT

The Master of Public Health has expanded from 48 cp to 72 cp, starring in 2019. There is a need to offer more selective units to our students, and also change all units of studies to 6cp to meet the new structure of the degree.

CONSULTATION

The changes were approved by the FMH Educational Committee via circulation and the FMH Faculty Board approved the changes on 11 April 2019.

IMPLEMENTATION

These changes will be updated within the 2020 Faculty of Medicine and Health Handbook.

COMMUNICATION

These changes will be updated within the 2020 Faculty of Medicine and Health Handbook.

ATTACHMENTS

Attachment (A) outlines the in the unit of study table for Master of Public Health.
Non-Confidential

Master of Public Health Unit of Study Table

Core units
Part-time students generally take 12 credit points of core units of study in each of their 1st and 3rd semesters.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>PUBH5010</td>
<td>Epidemiology Methods and Uses</td>
<td>6</td>
<td>N BSTA5011 or CEPI5100 Semester 1</td>
</tr>
<tr>
<td>PUBH5018</td>
<td>Introductory Biostatistics</td>
<td>6</td>
<td>Semester 1</td>
</tr>
<tr>
<td>PUBH5033</td>
<td>Disease Prevention and Health Promotion</td>
<td>6</td>
<td>Semester 1</td>
</tr>
<tr>
<td>PUBH5036</td>
<td>Public Health: Critical Challenges</td>
<td>6</td>
<td>Semester 1</td>
</tr>
<tr>
<td>PUBH5505</td>
<td>Qualitative Research in Health</td>
<td>6</td>
<td>N PUBH5500 or QUAL5005 or QUAL5006 Semester 2</td>
</tr>
<tr>
<td>HPOL5000</td>
<td>Health Policy and Health Economics</td>
<td>6</td>
<td>N PUBH5032 Semester 1</td>
</tr>
</tbody>
</table>

Additional core units of study for Masters students
Graduate Diploma students may enrol in this unit of study as a Part 1 elective.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>PUBH5134</td>
<td>Cancer Prevention and Control</td>
<td>6</td>
<td>P PUBH5010 AND PUBH5018 AND PUBH5005 AND HPOL5000 AND PUBH5036 Semester 2</td>
</tr>
<tr>
<td>PUBH5227</td>
<td>Public Health Program Evaluation</td>
<td>6</td>
<td>P PUBH5033 AND PUBH5010 Semester 2</td>
</tr>
</tbody>
</table>

This unit is a variation of the current 4 cpt Public Health Capstone PUBH5034. Students must have completed all core PH units. Unit will be offered in both semesters to allow flexibility for part-time students.

Part 1

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>PUBH5019</td>
<td>Cancer Prevention and Control</td>
<td>6</td>
<td>P PUBH5010 or CEPI5100 Semester 2</td>
</tr>
<tr>
<td>PUBH5020</td>
<td>Chronic Disease Prevention and Control</td>
<td>6</td>
<td>A PUBH5033, PUBH5010 or CEPI5100 or equivalent Semester 1</td>
</tr>
</tbody>
</table>

Note: Department permission required for enrolment

PUBH5020 is an advanced MPH elective, and some epidemiological concepts, such as population attributable risk are expected knowledge for understanding the Burden of Disease concept, that is important in NCD (chronic disease) prevention, and is part of Module 2 of this unit. In addition, this MPH elective predominantly takes a population and global perspective on NCD prevention, rather than a clinical or health services perspective.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>PUBH5227</td>
<td>Public Health Program Evaluation</td>
<td>6</td>
<td>P PUBH5033 AND PUBH5010 Semester 2</td>
</tr>
</tbody>
</table>

Attendance and participation in ALL weekend workshops is mandatory as well as online participation [this unit is not available in online only mode]
Non-Confidential

PUBH5039
Public Health Nutrition Essentials

PUBH5101
Special Project in Public Health

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Description</th>
<th>Semester 1</th>
<th>Semester 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>PUBH5039</td>
<td>Existing study of epidemiology desirable but not essential</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PUBH5101</td>
<td>One or more of PUBH5010, PUBH5018 and QUAL5005 depending on the intended project</td>
<td></td>
<td></td>
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</table>

Note: Department permission required for enrolment

Students should first contact the unit coordinator to discuss their proposed topic or area of interest. They then contact an academic staff member associated with the area of their project and negotiate the details of the project and negotiate the details of the project design and the method and frequency of contact with the supervisor during the project. Once the unit coordinator has agreed to the enrolment, the students applies to enrol via Sydney Student. The unit coordinator will then formally approve the enrolment.

PUBH5102
Special Project in Public Health

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Description</th>
<th>Semester 1</th>
<th>Semester 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>PUBH5102</td>
<td>One or more of PUBH5010, PUBH5018 and QUAL5005 depending on the intended project</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Note: Department permission required for enrolment

Students should first contact the unit coordinator to discuss their proposed topic or area of interest. They then contact an academic staff member associated with the area of their project and negotiate the details of the project design and the method and frequency of contact with the supervisor during the project. Once the unit coordinator has agreed to the enrolment, the students applies to enrol via Sydney Student. The unit coordinator will then formally approve the enrolment.

PUBH5121
Environmental Health

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Description</th>
<th>Semester 2</th>
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</thead>
<tbody>
<tr>
<td>PUBH5121</td>
<td></td>
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PUBH5145
Alcohol, drug use and health

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Description</th>
<th>Semester 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>PUBH5145</td>
<td>PUBH5114 or PUBH5115</td>
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</table>

PUBH5120
Aboriginal/Torres Strait Isalnder Health

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Description</th>
<th>Semester 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>PUBH5120</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

PUBH5126
Genetics Genomic and Public Health

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Description</th>
<th>Intensive</th>
<th>October</th>
</tr>
</thead>
<tbody>
<tr>
<td>PUBH5126</td>
<td>Basic epidemiology. No previous knowledge of genetics is required.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Epidemiology Methods and Uses (PUBH5010)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

PUBH5212
Categorical Data Analysis

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Description</th>
<th>Semester 2b</th>
</tr>
</thead>
<tbody>
<tr>
<td>PUBH5212</td>
<td>PUBH5018 or PUBH5211</td>
<td></td>
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</tbody>
</table>

PUBH5213
Survival Analysis

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Description</th>
<th>Semester 2b</th>
</tr>
</thead>
<tbody>
<tr>
<td>PUBH5213</td>
<td>PUBH5211</td>
<td></td>
</tr>
</tbody>
</table>

PUBH5215
Introductory Analysis of Linked Data

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Description</th>
<th>Intensive</th>
<th>June</th>
</tr>
</thead>
<tbody>
<tr>
<td>PUBH5215</td>
<td>Basic familiarity with SAS computing syntax and methods of basic statistical analysis of fixed-format data files</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(PUBH5010 or BSTA5011 or CEP15100) and (PUBH5211 or PUBH5217 or BSTA5004)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Note: Department permission required for enrolment

For data privacy and security reasons, the analysis required to complete the major assignment can only be performed on the computers in the Sydney School of Public Health Computer Lab. The computer lab is made available to students 24/7 for ten days.
after the end of the unit for the purpose of completing this assessment task.

**PUBH5216**
Controlled Clinical Trials

6 P PUBH5018
N PUBH5206 - Controlled trials (2CP)

**PUBH5217**
Regression Modelling

6 P PUBH5018
N (PUBH5211 or PUBH5212 or PUBH5213)

*Note: Department permission required for enrolment*

The statistical software package used in this unit is web-based. There is no cost/fee to use this software. Course notes will be provided, along with links to additional readings through the library.

**PUBH5224**
Advanced Epidemiology

6 P (PUBH5010 or CEPI5100) and PUBH5018

**PUBH5225**
Population Mental Health

6 P PUBH5033

**PUBH5312**
Health Economic Evaluation

6 P HPOL5000 and (PUBH5010 or CEPI5100) and PUBH5018
N PUBH5302

**PUBH5317**
Decision modelling for economic evaluation

6 P (PUBH5010 or CEPI5100) and PUBH5018
C PUBH5312
N PUBH5205 PUBH5307

*Note: Department permission required for enrolment*

Students who have not done the core units of study in epidemiology (PUBH5010 or CEPI5100) or biostatistics (PUBH5018) but have previous demonstrable experience in these study areas will be required to request permission from the unit of study coordinator to enrol in this unit of study. Permission is required to ensure that students have a basic grounding in epidemiology and biostatistics. The coordinator emails the Postgraduate Student Administration Unit to advise whether or not the student has permission to enrol.

**PUBH5416**
Vaccines in Public Health

2 P PUBH5010 or CEPI5100 or PUBH5018

*Note: Department permission required for enrolment*

Students who have not done the core units of study in epidemiology (PUBH5010 or CEPI5100) or biostatistics (PUBH5018) but have previous demonstrable experience in these study areas will be required to request permission from the unit of study coordinator to enrol in this unit of study. Permission is required to ensure that students have a basic grounding in epidemiology and biostatistics. The coordinator emails the Postgraduate Student Administration Unit to advise whether or not the student has permission to enrol.

**PUBH5418**
Tobacco Control in the 21st Century

6 Intensive August

**PUBH5421**
Infection Prevention in Healthcare

6 A basic knowledge of medical microbiology, antimicrobial agents and communicable disease epidemiology and clinical features

**PUBH5422**
Health and Risk Communication

6 This unit of study is not available in 2019

**PUBH5423**
Adv Concepts: Vaccines in Public Health

4 P PUBH5416

*Note: Department permission required for enrolment*

**PUBH5430**
Public Health Advocacy

6
Non-Confidential

PUBH5510
Healthy ageing and fall prevention
Semester 2

PUBH5551
Climate Change and Public Health
Semester 2

PUBH5555
Lifestyle and Chronic Disease Prevention
Semester 2

PUBH5600
Biosecurity Seminar Series
Semester 2

PUBH5610
Public Health Dissertation
Semester 1

PUBH5611
Public Health Dissertation A
Semester 1

PUBH5612
Public Health Dissertation B
Semester 1

PUBH5125
Environmental Epidemiology
Semester 1

PUBH5040
One Health
Semester 1

Part 2

BETH5203
Ethics and Public Health
Semester 2

BETH5205
Ethics and Mental Health
Semester 2

BETH5208
Introduction to Human Research Ethics
Semester 2

CEPI5200
Quality and Safety in Health Care
Semester 1

Knowledge gained from the minimum 48 credit points of the Master of Public Health that is required to successfully undertake the proposed project.

Knowledge gained from the minimum 48 credit points of the Master of Public Health that is required to successfully undertake the proposed project.

Knowledge gained from the minimum 48 credit points of the Master of Public Health that is required to successfully undertake the proposed project.

People working in health care will benefit from this course.

Students can meet with course coordinators by appointment in person or via teleconference.

If an insufficient number of students opt to attend seminars on campus, the co-ordinator may choose to teach this Unit of Study in online mode only. Students will be contacted if this occurs.
Non-Confidential
CEPI5215
Writing and Reviewing Medical Papers

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credit Points</th>
<th>Prerequisite(s)</th>
<th>Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>CEPI5310</td>
<td>6</td>
<td>PUBH5218</td>
<td>Semester 1</td>
</tr>
<tr>
<td>PUBH5218</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>CEPI5311</td>
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<tr>
<td>CEPI5312</td>
<td>6</td>
<td>PUBH5010 or CEPI5100, PUBH5208 or CEPI5202 or CEPI5311</td>
<td>Semester 2</td>
</tr>
<tr>
<td>COMP5424</td>
<td></td>
<td></td>
<td>Semester 1</td>
</tr>
<tr>
<td>DENT5013</td>
<td>6</td>
<td>PUBH5018, PUBH5010</td>
<td>Semester 2</td>
</tr>
<tr>
<td>DENT5014</td>
<td>6</td>
<td>PUBH5018, PUBH5030</td>
<td>Semester 2</td>
</tr>
<tr>
<td>DENT5015</td>
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<td>PUBH5010 or CEPI5100 or SUST5004</td>
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<tr>
<td>GLOH5115</td>
<td>6</td>
<td>MIPH5115</td>
<td>Semester 1</td>
</tr>
<tr>
<td>GLOH5124</td>
<td>6</td>
<td>MIPH5124</td>
<td>Intensive October</td>
</tr>
<tr>
<td>GLOH5136</td>
<td>6</td>
<td>Introductory knowledge of epidemiology</td>
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</tr>
<tr>
<td>GLOH5201</td>
<td>6</td>
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<td>GLOH5101 and GLOH5102 OR (PUBH5010 and PUBH5018)</td>
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<tr>
<td>HPOL5007</td>
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Students without the pre-requisites are encouraged to contact the unit coordinator to discuss their motivation and experience.
<table>
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<tr>
<th>Item No</th>
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<th>Semester</th>
<th>Notes</th>
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<tr>
<td>4.15</td>
<td>HPOL5008</td>
<td>Evidence into Policy and Practice</td>
<td>1</td>
<td>C HPOL5000 and HPOL5001</td>
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<tr>
<td>4.15</td>
<td>INFOS306</td>
<td>Enterprise Healthcare Information Systems</td>
<td>2</td>
<td>A The unit is expected to be taken after introductory courses in related units such as COMP5206 Information Technologies and Systems (or COMP5138/COMP9120 Database Management Systems).</td>
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<td>INFO9003</td>
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<td>Global Health Law</td>
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<td></td>
<td>MECO6919</td>
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<td></td>
<td>NTDT5608</td>
<td>Community and Public Health Nutrition</td>
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<td>C NTDT5305 and NTDT5307</td>
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<td>SEXH5008</td>
<td>Sex and Society</td>
<td>2</td>
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<td>SEXH5205</td>
<td>Adolescent Sexual Health</td>
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<td>SEXH5405</td>
<td>Contraception and Preconception Care</td>
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<td>SEXH5407</td>
<td>Sex Gender and Sexuality</td>
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<td></td>
<td>SEXH5412</td>
<td>Sexual Health and</td>
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<td>SEXH5414</td>
<td>Public Health: Sexual and Reproductive Health</td>
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<td>SEXH5418</td>
<td>Public Health Aspects of Reproductive Health</td>
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<td>Public Health Aspects of HIV and STIs</td>
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<td>WARC5001</td>
<td>Research Translation, Impact and Evaluation</td>
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</table>

This unit of study is best suited to students who have a solid understanding of research methodology and clinical trials. It is not limited to but is ideally suited to people with a clinical background.
Non-Confidential

<table>
<thead>
<tr>
<th>Author</th>
<th>Ying Zhang, Academic Lead (Assessment &amp; Curriculum)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reviewer/Approver</td>
<td></td>
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<tr>
<td>Paper title</td>
<td>School of Public Health: Minor Course Amendment Proposal – Master of Global Health</td>
</tr>
<tr>
<td>Purpose</td>
<td>The purpose of this proposal is to seek approval of the Graduate Studies Committee on new and amended units of study for the Master of Global Health in 2020</td>
</tr>
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</table>

RECOMMENDATION

That the Graduate Studies Committee recommend that Academic Board:

1) approve the proposal from the Faculty of Medicine and Health to amend the Master of Global Health; and
2) approve the amendment of Unit of Study Tables arising from the proposal, with effect from 1 January 2019.

EXECUTIVE SUMMARY

The Global Health Dissertation unit is designed to be 12 cp so the students can complete a substantial research project. We expect most students to take the 12 cp option. We also created the two 6 cp option to allow part-time students to complete the unit over two semesters.

Proposed new units of study:

<table>
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<th>12</th>
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<th>Prof Robert Cumming</th>
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<td>SU</td>
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<td>Prof Robert Cumming</td>
</tr>
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<tr>
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<td>6</td>
<td>SU</td>
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<td>Prof Robert Cumming</td>
</tr>
</tbody>
</table>

It is proposed that these changes will be effective from 2020.

BACKGROUND / CONTEXT

The Disseration unit is one of the three options for a capstone unit of Master of Global Health.

The main justifications to have both the 12 cp units and two 6cp units include

- The unit is designed to be 12 credit points so the students can complete a substantial research project. It is believed that this is a university standard for a research dissertation unit. We will
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assure this unit would meet requirements for entry to a PhD.

• We only created the 6 cp options to cover a few part-time students and projects that were likely to extend over more than one semester.
• We expect most students to take the 12cp option. We can’t just keep the 6cp option that won’t fit most of the students.

CONSULTATION

The changes were approved by the FMH Educational Committee via circulation and the FMH Faculty Board approved the changes on 11 April 2019.

IMPLEMENTATION

These changes will be updated within the 2020 Faculty of Medicine and Health Handbook.

COMMUNICATION

These changes will be updated within the 2020 Faculty of Medicine and Health Handbook.

ATTACHMENTS

Attachment outlines the new units of study for the Master of Global Health.
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Master of Global Health Unit of Study Table

Core units
Students complete 24 credit points of core units of study. Full-time students take 24 credit points of core units in Semester 1 of a given year; part-time students usually take 12 credit points in Semester 1 in each of two consecutive years. Note - students commencing enrolment in Semester 2 of a given year will need to do elective units before core units.

GLOH5101 6 Foundations of Global Health
GLOH5102 6 Skills for Working in Global Health
PUBH5010 6 Epidemiology Methods and Uses
PUBH5018 6 Introductory Biostatistics

Capstone Units

GLOH5301 6 Global Health Capstone
GLOH5302 12 Global Health Dissertation
GLOH5303 12 International Field Placement
GLOH5304 6 Global Health Dissertation A
GLOH5305 6 Global Health Dissertation B

Core Elective units Stream 1: Policy/System/Management
Candidates for the master's degree must choose a minimum of 6 credit points from each stream. Students who have not completed all core units should be aware of prerequisites before enrolling in electives.

GLOH5219 6 Global Health Project Management
HPOL5007 6 Global Health Policy
Non-Confidential
HPOL5001 6 Semester 1
Health Systems and Financing

Core Elective units Stream 2: Advanced Skills
Candidates for the master's degree must choose a minimum of 6 credit points from each stream. Students who have not completed all core units should be aware of prerequisites before enrolling in electives.

GLOH5201 6 N PUBH5500 or QUAL5005 or QUAL5006 or PUBH5005 Semester 2
Global Qualitative Health Research

PUBH5224 6 P (PUBH5010 or CEPI5100) and PUBH5018 Semester 2
Advanced Epidemiology

PUBH5217 6 P PUBH5018 Semester 2
Regression Modelling

N (PUBH5211 or PUBH5212 or PUBH5213) 2

The statistical software package used in this unit is web-based. There is no cost/fee to use this software. Course notes will be provided, along with links to additional readings through the library.

PUBH5317 6 P (PUBH5010 or CEPI5100) and PUBH5018 Semester 2
Decision modelling for economic evaluation

C PUBH5312 2
N PUBH5205 PUBH5307

Note: Department permission required for enrolment

Elective units
GLOH5115 6 N MIPH5115 Semester 1
Women's and Children's Health

GLOH5136 6 A Introductory knowledge of epidemiology Semester 2
Nutrition in Global Settings

GLOH5112 6 Semester 2
Global Communicable Disease Control

GLOH5124 6 N MIPH5124 Intensive October
Humanitarian Crises and Refugee Health

PUBH5019 6 P PUBH5010 or CEPI5100 Semester 2
Cancer Prevention and Control

Note: Department permission required for enrolment

PUBH5020 6 A PUBH5033, PUBH5010 or CEPI5100 or equivalent Semester 1
Chronic Disease Prevention and Control

Note: Department permission required for enrolment

PUBH5020 is an advanced MPH elective, and some epidemiological concepts, such as population attributable risk are expected knowledge for understanding the Burden of Disease concept, that is important in NCD (chronic disease) prevention, and is part of Module 2 of this unit.
In addition, this MPH elective predominantly takes a population and global perspective on NCD prevention, rather than a clinical or health services perspective.

<table>
<thead>
<tr>
<th>Code</th>
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<th>Units</th>
<th>Semester</th>
</tr>
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<tbody>
<tr>
<td>PUBH5033</td>
<td>Disease Prevention and Health Promotion</td>
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<td>1</td>
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<tr>
<td>PUBH5422</td>
<td>Health and Risk Communication</td>
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<tr>
<td></td>
<td><em>This unit of study is not available in 2019</em></td>
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<tr>
<td>PUBH5551</td>
<td>Climate Change and Public Health</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>PUBH5600</td>
<td>Biosecurity Seminar Series</td>
<td>6</td>
<td>2</td>
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<tr>
<td></td>
<td>P CISS6004 or GOVT6316 or MECO6909 or WORK6130 or unit of study coordinator permission.</td>
<td></td>
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<tr>
<td>BETH5203</td>
<td>Ethics and Public Health</td>
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<td>BETH5206</td>
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Non-Confidential

<table>
<thead>
<tr>
<th>Author</th>
<th>Kate Munro (Manager Curriculum Planning &amp; Development, Business School)</th>
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<tr>
<td>Approver</td>
<td>Professor Guy Ford (Program Director MBA, Business School)</td>
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<tr>
<td>Paper title</td>
<td>MASTER OF BUSINESS ADMINISTRATION MINOR COURSE AMENDMENT PROPOSAL</td>
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<td>Faculty Approval Date</td>
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<td>Proposed Year of Implementation</td>
<td>2020</td>
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<tr>
<td>Proposal Presenter</td>
<td>Professor Guy Ford (Program Director MBA, Business School)</td>
</tr>
</tbody>
</table>

RECOMMENDATION

That the Graduate Studies Committee recommend that the Academic Board:
(1) approve the proposal from the Sydney Business School to amend the Master of Business Administration; and
(2) approve amendments to the course resolutions and unit of study tables arising from the proposal with effect from 1 January 2020.

EXECUTIVE SUMMARY

The purpose of this minor course amendment proposal is to remove caveats to the professional work experience requirements for admission to the Master of Business Administration and the Graduate Diploma in Business Administration. Specifically, it is proposed that the minimum number of years work experience in a managerial role (but not the overall duration of professional experience required for admission to the programs) be removed. New elective units will also be introduced in 2020.

The AQF outcomes are not in any way affected by the proposed changes.

ATTACHMENTS

Attachment 1. Minor course amendment proposal - Master of Business Administration
Attachment 2. Amendments to course resolutions – Master of Business Administration
Attachment 1. Minor Course Amendment Proposal

Faculty: Business School

1. **Name of award course**
   Master of Business Administration

2. **Purpose of proposal**
   The purpose of the proposal is to:
   (a) amend the course resolutions, removing references to the type of work experience required for admission into the program; and
   (b) Amend the unit of study tables to include additional elective offerings, with effect from 2020.

3. **Details of amendment**
   See Attachment 2 which details proposed amendments to the course resolutions.

**MASTER OF BUSINESS ADMINISTRATION**

**Table of postgraduate units of study: Master of Business Administration**

<table>
<thead>
<tr>
<th>Unit of study</th>
<th>Credit points</th>
<th>A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition</th>
<th>Session</th>
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<td><strong>Business Administration</strong></td>
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<tr>
<td><strong>Master of Business Administration</strong></td>
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<tr>
<td>Students must complete 72 credit points in units of study, comprising:</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>(i) 42 credit points in core units of study</td>
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<tr>
<td>(ii) 24 credit points in elective units of study</td>
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<tr>
<td>(iii) a 6 credit point capstone unit of study</td>
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<tr>
<td><strong>Graduate Diploma in Business Administration</strong></td>
<td></td>
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<tr>
<td>Students must complete 48 credit points in units of study, comprising:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(i) 42 credit points in core units of study</td>
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<tr>
<td>(ii) 6 credit points in elective units of study</td>
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<td><strong>Graduate Certificate in Business Administration</strong></td>
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<tr>
<td>Students must complete 24 credit points in units of study</td>
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<td><strong>Units of study for the courses</strong></td>
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<tr>
<td><strong>Core units of study</strong></td>
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<td>SMBA6001 Leadership Practice and Development</td>
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<td>SMBA6002</td>
<td>Strategies for Growth</td>
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<td>Critical Analysis and Thought Leadership</td>
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<td>SMBA6109</td>
<td>Managing with Technology</td>
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</table>
### SMBA6111 Coaching and Performance Management 6 C SMBA6001 Semester 1

### SMBA6112 Strategic Use of Social Technology 6 C SMBA6001 MBA Session 2

### SMBA6114 Leading Business Innovation 6 C SMBA6001 Semester 1

### SMBA6115 Creativity, Innovation and Business 6 C SMBA6001

### SMBA6118 International Social Enterprise Project 12 P SMBA6001 and SMBA6002 Intensive October

### SMBA6120 Nature of Systems 6 C SMBA6001 MBA Session 2

### SMBA6121 Business Performance Frameworks 6 P SMBA6002 Semester 1

### Capstone unit of study (MBA only)

#### SMBA6201 Design Strategy: MBA Capstone 6 P SMBA6001

*Students must complete this unit in their final semester of study.*

4. **Other relevant information**

   N/A

5. **Signature of Dean**

   ![Signature]

   03/04/2019
MBA

Master of Business Administration
Graduate Diploma in Business Administration
Graduate Certificate in Business Administration

These resolutions must be read in conjunction with applicable University By-laws, Rules and policies including (but not limited to) the University of Sydney (Coursework) Rule 2014 (the ‘Coursework Rule’), the Coursework Policy 2014, the Resolutions of the School, the University of Sydney (Student Appeals against Academic Decisions) Rule 2006 (as amended), the Academic Honesty in Coursework Policy 2015 and the Academic Honesty Procedures 2016. Up to date versions of all such documents are available from the Policy Register: http://sydney.edu.au/policies.

Course Resolutions

1 Course codes

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<th>Code</th>
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<tr>
<td>GNBUSADM-02</td>
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</tr>
<tr>
<td>GCBUSADM-02</td>
<td>Graduate Certificate in Business Administration</td>
</tr>
</tbody>
</table>

2 Attendance pattern

The attendance pattern for this course is part time only.

3 Master's type

The master's degree in these resolutions is a professional master's course, as defined by the Coursework Policy.

4 Embedded courses in this sequence

(1) The embedded courses in this sequence are:
   (a) the Master of Business Administration
   (b) the Graduate Diploma in Business Administration
   (c) the Graduate Certificate in Business Administration

(2) Providing candidates satisfy the admission requirements for each stage, a candidate may progress to the award of any of the courses in this sequence. Only the highest award completed will be conferred.

5 Admission to candidature

(1) Available places will be offered to qualified applicants based on merit, according to the following admissions criteria:
   (a) Master of Business Administration:
      (i) Australian Qualifications Framework Level 7 or higher qualification with a minimum credit average (or equivalent) at an institution approved by the Business School;
      (ii) professional work experience of no less than 3 years in a relevant field, as defined by the Business School, with at least 2 years in a managerial role;
      (iii) statement of motivation;
      (iv) pass a selection interview establishing the candidate's suitability for the degree;
      (v) satisfaction of English language requirements; and
      (vi) any other minimum standards specified by the Business School.
   (b) Graduate Diploma in Business Administration:
      (i) Australian Qualifications Framework Level 7 or higher qualification (or equivalent) at an institution approved by the Business School and graded at a standard acceptable to the Business School;
      (ii) professional work experience of no less than 5 years in a relevant field, as defined by the Business School, with at least 3 years in a managerial role;
      (iii) statement of motivation;
      (iv) pass a selection interview establishing the candidate's suitability for the course;
      (v) satisfaction of English language requirements; and
      (vi) any other minimum standards specified by the Business School; or
      (vii) transfer from a related qualification, as approved by the Business School.
   (c) Admission to the Graduate Certificate in Business Administration is only by transfer from a related qualification, as approved by the Business School.

(2) In exceptional circumstances the School may admit candidates without these qualifications who, in the opinion of the School, have qualifications and evidence of experience and achievement sufficient to successfully undertake the award.

6 Requirements for award

(1) The units of study that may be taken for the course/s are set out in the Table of postgraduate units of study: Master of Business Administration.

(2) To qualify for the award of the Master of Business Administration a candidate must complete 72 credit points, comprising:
   (a) 42 credit points in core units of study;
   (b) 24 credit points in elective units of study; and
   (c) a 6 credit point capstone unit of study.
To qualify for the award of the Graduate Diploma in Business Administration a candidate must complete 48 credit points, comprising:
(a) 42 credit points in core units of study; and
(b) 6 credit points of elective units of study.

To qualify for the award of the Graduate Certificate in Business Administration a candidate must complete 24 credit points in core units of study.

Progression rules
(1) Master of Business Administration:
(a) Candidates must achieve a minimum credit average (65%) in the first four units of study.
(b) Candidates who successfully complete but do not achieve a minimum credit average in the first four units of study will be eligible for the award of the Graduate Certificate in Business Administration.
(2) Graduate Diploma in Business Administration:
(a) Candidates are required to achieve a minimum credit average (65%) in the first four units of study.
(b) Candidates who successfully complete but do not achieve a minimum credit average in the first four units of study will be eligible for the award of the Graduate Certificate in Business Administration.
(c) Candidates who achieve a minimum credit average (65%) in the first four units of study will be eligible to upgrade to the master’s degree.

Cross-institutional study and international exchange
(1) Cross-institutional study and international exchange may be available in these courses by means of formal partnership agreements.
(2) In exceptional circumstances cross-institutional study to a maximum of 24 credit points may be available to candidates for the Master of Business Administration outside of formal partnership agreements, subject to prior approval by the School.

Course transfer
A candidate for the Master of Business Administration or Graduate Diploma in Business Administration may elect to discontinue study and graduate with a shorter award from this embedded sequence, with the approval of the School, and provided the requirements of the shorter award have been met.

Recognition of prior learning
(1) Credit or waivers may be granted in recognition of prior learning.
(2) Candidates for the Master of Business Administration may be eligible for credit of up to 36 credit points on the basis of:
(a) relevant postgraduate studies where no award has been, or will be made; or
(b) learning undertaken with an approved provider deemed by the Business School to be of an equivalent standard to the Master of Business Administration.
(3) Candidates for the Graduate Diploma or Graduate Certificate in Business Administration may be eligible for full credit for units completed from the following tables:
(a) Table of postgraduate units of study: Executive Master of Business Administration; and
(b) Table of postgraduate units of study: Master of Business Administration (Leadership and Enterprise).

Transitional provisions
(1) These resolutions apply to students who commenced their candidature after 1 January, 2018.
(2) Candidates who commenced prior to 1 January, 2018 will complete the requirements in accordance with the resolutions in force at the time of their commencement, provided that requirements are completed by 1 January, 2025. The School may specify a later date for completion or specify alternative requirements for completion of candidatures that extend beyond this time.
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<table>
<thead>
<tr>
<th>Author</th>
<th>Kate Munro (Manager Curriculum Planning &amp; Development, Business School)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reviewer/Approver</td>
<td>Associate Professor Matthew Beck (Program Director Master of Commerce, Business School)</td>
</tr>
<tr>
<td>Paper title</td>
<td>MASTER OF COMMERCE MINOR COURSE AMENDMENT PROPOSAL</td>
</tr>
<tr>
<td>Faculty Approval Date</td>
<td>26 March 2019</td>
</tr>
<tr>
<td>Proposed Year of Implem.</td>
<td>2020</td>
</tr>
<tr>
<td>Proposal Presenter</td>
<td>Associate Professor Matthew Beck (Program Director Master of Commerce, Business School)</td>
</tr>
</tbody>
</table>

RECOMMENDATION

That the Graduate Studies Committee recommend that Academic Board:

1. approve the proposal from the Sydney Business School to amend the Master of Commerce, the Graduate Diploma in Commerce and Graduate Certificate in Commerce; and
2. approve amendment of the unit of study tables arising from the proposal, with effect from 1 January 2020.

EXECUTIVE SUMMARY

A comprehensive review of the Master of Commerce (MCom) was conducted from January to April in 2018, led by the Program Director, Associate Professor Matthew Beck. Whilst the MCom remains the Business School’s flagship pre-experience postgraduate program, with the capability to offer students a unique cross-disciplinary education, the review has offered the impetus to revitalise and reposition the program. The Master of Commerce Review Committee found that the current offering, which essentially reflects the thinking of the previous decade, is over-engineered, becoming stale, and at risk of being intellectually siloed. The current program houses a suite of largely disconnected specialisations promoting their own domain-specific ontologies and epistemologies, absent of any discernible program-level integrity, coherence and cohesion. For these reasons, the MCom is being restructured and revitalised to create a sustainable degree designed to deliver a superior student learning experience with improved graduate outcomes as well as substantially improved opportunities for cross-disciplinary collaboration amongst both students and their educators.

The key changes recommended by the Committee are:

- The length of the degree be shortened to a 72-credit point, 1.5-year program of study.
- Students who wish to are able to opt-in to an additional semester of study (24-credit points), extending their degree to two-years in total.
- Students with a cognate undergraduate degree or relevant work experience can apply for a reduction in volume of learning (RVL) of 24-credit points (making the Master of Commerce one-year in total), allowing them to focus on advanced content.
- In the first semester of the 1.5-year program students are required to complete a set of compulsory core units designed to deliver broad-based business skills.
- Students are able to complete one specialisation from a choice of the following (structure and titles yet to finalised):
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- Accounting
- Data Analytics
- Digital Business
- Economics
- Finance
- Logistics
- Management
- Marketing

Within the specialisations students will be able to tailor their choices, providing a more targeted focus to achieve the objectives of their degree. Students will gain an appreciation for the pathways during their first semester, and thus be able to make informed choices that benefit them.

This minor course amendment proposal encapsulates Phase 1B in transitioning to the revitalised MCom to be launched in 2021. Proposed changes for Phase 1A are to be considered by the Graduate Studies Committee on 12 March 2019 and involve resting ten of the existing eighteen specialisations in 2020. Following on from the previous proposal, the current proposal involves changes to unit of study tables to ensure that sufficient units of study will be available for continuing students completing under the pre-2020 course structure.

The AQF outcomes are not in any way affected by the changes detailed in this proposal.

Phase 2 of the MCom transition will involve the development of a full course proposal (FCP) to be submitted to the University Executive later this year (based on an EOI approved by the Curriculum and Course Planning Committee in 2018). The FCP will incorporate changes required to implement the remaining recommendations of the Review Committee (i.e. the proposed 72-credit point, 1.5-year program of study with revitalised content and core offerings). The MCom Steering Committee is currently overseeing the design of the new curriculum and its strategic implementation. A working party has also been constituted to scope the new unified MCom core.

CONSULTATION

The MCom Review Committee was comprised of stakeholders from the university community and external industry stakeholders (as documented in the previous proposal and aligned with Academic Board guidelines for course reviews). Extensive consultation has been undertaken across the Business School with all Disciplines in the development of this proposal.

IMPLEMENTATION

1. Minor changes proposed for 2020
   - Restrict access to the specialisations being phased out (the subject of the previous proposal).
   - Amendments to unit of study tables for remaining specialisations (the subject of this proposal) to ensure continuing students are accommodated.

2. Major changes proposed for 2021
   a. Amendments to standard degree length from 2 to 1.5 years (72 credit points) and introduction of extended program of 2 years.
   b. Amendment to title of Business Analytics specialisation (proposed title of Data Analytics which better reflects merging of the Big Data in Business and Business Analytics specialisations).
   c. Amendment to title of Business Information Systems specialisation to Digital Business.
   d. Amendment to title of Logistics and Supply Chain Management specialisation to Logistics and Supply Chains.
   e. Amendments to the degree core.
ATTACHMENTS

Attachment 1. Minor course amendment proposal – Master of Commerce (and embedded courses)
Faculty: Business School

1. Name of award course
   Master of Commerce
   Graduate Diploma in Commerce
   Graduate Certificate in Commerce

2. Purpose of proposal
   The purpose of the proposal is to amend the postgraduate Commerce unit of study tables, with effect from January 2020, to ensure continuing students are accommodated prior to transition to the proposed new course structure in 2021.

3. Details of amendment

   **TABLE OF POSTGRADUATE UNITS OF STUDY: COMMERCE**

<table>
<thead>
<tr>
<th>Unit of study</th>
<th>Credit points</th>
<th>A: Assumed knowledge</th>
<th>P: Prerequisites</th>
<th>C: Corequisites</th>
<th>N: Prohibition</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>Commerce</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Master of Commerce</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Students must complete 96 credit points, comprising:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(i) 6 credit points in core units of study;</td>
<td></td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>(ii) 12 to 36 credit points in foundational units of study;</td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>(iii) a 6 credit point capstone unit of study;</td>
<td></td>
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</tr>
<tr>
<td>(iv) at least one specialisation (24 credit points - excluding foundational unit/s); and</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(v) any additional specialisation/s, dissertation and/or elective units of study required to make 96 credit points.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Graduate Diploma of Commerce</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Students must complete 48 credit points, comprising:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(i) 6 credit points in core units of study</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>a minimum of 12 and a maximum of 18 credit points in foundational units of study; and</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(iii) elective units of study to make 48 credit points.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Graduate Certificate of Commerce</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Students must complete 24 credit points, comprising:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Non-Confidential

(i) a minimum of 12 and a maximum of 18 credit points in foundational units of study; and

(ii) elective units of study to make 24 credit points.

Units of study for the courses

Core units of study

Students in the Master's degree and the Graduate Diploma must complete the following unit.

Students in the Graduate Certificate may complete the unit as an elective.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
<th>Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUSS5020</td>
<td>Business Insights</td>
<td>6</td>
<td>Semester 1, Semester 2</td>
</tr>
</tbody>
</table>

Foundational units of study

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
<th>Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT5001</td>
<td>Accounting Principles</td>
<td>6</td>
<td>Semester 1, Semester 2</td>
</tr>
<tr>
<td>CLAW5001</td>
<td>Legal Environment of Business</td>
<td>6</td>
<td>Semester 1, Semester 2</td>
</tr>
<tr>
<td>ECON5040</td>
<td>Microeconomics for Business</td>
<td>6</td>
<td>Semester 1, Semester 2</td>
</tr>
<tr>
<td>FINC5001</td>
<td>Capital Markets and Corporate Finance</td>
<td>6</td>
<td>Intensive January, Intensive July, Semester 1, Semester 2</td>
</tr>
<tr>
<td>IBUS5002</td>
<td>Strategy, Innovation and Entrepreneurship</td>
<td>6</td>
<td>Semester 1, Semester 2</td>
</tr>
<tr>
<td>IBUS5003</td>
<td>Global Business</td>
<td>6</td>
<td>Semester 1, Semester 2, Summer Main</td>
</tr>
<tr>
<td>INFS5001</td>
<td>Project Management</td>
<td>6</td>
<td>Intensive January, Semester 1, Semester 2</td>
</tr>
<tr>
<td>INFS5002</td>
<td>Digital Business Foundations</td>
<td>6</td>
<td>Semester 1, Semester 2</td>
</tr>
<tr>
<td>ITLS5000</td>
<td>Foundations of Supply Chain Management</td>
<td>6</td>
<td>Semester 1, Semester 2</td>
</tr>
<tr>
<td>Code</td>
<td>Title</td>
<td>Credits</td>
<td>Notes</td>
</tr>
<tr>
<td>----------</td>
<td>--------------------------------------------</td>
<td>---------</td>
<td>----------------------------------------------------------------------</td>
</tr>
<tr>
<td>ITLS5100</td>
<td>Transport and Infrastructure Foundations</td>
<td>6</td>
<td><em>This is the foundation unit for all transport and infrastructure management programs and should be completed in the first period of study.</em></td>
</tr>
<tr>
<td>MKTG5001</td>
<td>Marketing Principles</td>
<td>6</td>
<td>A Basic calculus; basic concepts of probability &amp; statistics</td>
</tr>
<tr>
<td>QBUS5001</td>
<td>Quantitative Methods for Business</td>
<td>6</td>
<td>N ECMT5001 or QBUS5002</td>
</tr>
<tr>
<td>WORK5003</td>
<td>Management and Organisations</td>
<td>6</td>
<td></td>
</tr>
</tbody>
</table>

**Capstone unit of study**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUSS6000</td>
<td>Succeeding in Business</td>
<td>6</td>
<td>P Students must complete this unit in their final semester of study (full-time students will have completed a minimum of 72 credit points from PG study and part-time students will have completed a minimum of 84 credit points from PG study)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Note: Department permission required for enrolment Departmental Permission is required for enrolment in the intensive February and July sessions. Priority is given to students who have BUSS6000 left as the final unit to complete the Master of Commerce. Students with 12 credit points remaining including BUSS6000 will be assessed on case by case basis depending on availability.</td>
</tr>
</tbody>
</table>

**Degree electives options**

The following units of study are those which can be completed as general electives in the Commerce coursework programs. These units do not count towards a specialisation.

**General electives**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUSS5001</td>
<td>Firms, Markets and Business Management</td>
<td>6</td>
<td>N ECON5001 or ECON5002 or ECON5003 or ECOF5010</td>
</tr>
<tr>
<td>BUSS6505</td>
<td>NEXT Innovation</td>
<td>6</td>
<td>P Completion of at least 48 credit points with a minimum credit average (65%).</td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
<td>Credit Points</td>
<td>Notes/Other Requirements</td>
</tr>
<tr>
<td>-------------</td>
<td>--------------------------------------------------</td>
<td>---------------</td>
<td>---------------------------------------------------</td>
</tr>
<tr>
<td>CLAW6002</td>
<td>Corporate Structures in Practice</td>
<td>6</td>
<td>P CLAW5001</td>
</tr>
<tr>
<td>CLAW6026</td>
<td>Taxation Law and Practice</td>
<td>6</td>
<td>P CLAW5001, N CLAW5002</td>
</tr>
<tr>
<td>CLAW6030</td>
<td>China’s Legal Environment for Business</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>CLAW6033</td>
<td>International Business Tax Strategy</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>CLAW6034</td>
<td>Commercial Property Law</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>IBUS6001</td>
<td>International Business Strategy</td>
<td>6</td>
<td>C IBUS5003, N ECHS6008</td>
</tr>
<tr>
<td>IBUS6002</td>
<td>Cross-Cultural Management</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>IBUS6006</td>
<td>Comparative International Management</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>IBUS6008</td>
<td>Export Management</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>IBUS6011</td>
<td>New Business Opportunities and Startups</td>
<td>6</td>
<td>A IBUS5002, or completion of at least 24 credit points, N IBUS5011 or WORK6112</td>
</tr>
<tr>
<td>IBUS6012</td>
<td>Business Innovation and Sustainability</td>
<td>6</td>
<td>A IBUS5002, or completion of at least 24 credit points</td>
</tr>
<tr>
<td>IBUS6016</td>
<td>Social Entrepreneurship</td>
<td>6</td>
<td>A IBUS5002, or completion of at least 24 credit points</td>
</tr>
<tr>
<td>Code</td>
<td>Course</td>
<td>Description</td>
<td>Semester</td>
</tr>
<tr>
<td>----------</td>
<td>--------------------------------------------------</td>
<td>-----------------------------------------------------------------------------</td>
<td>----------</td>
</tr>
<tr>
<td>IBUS6018</td>
<td>Business Negotiations</td>
<td>Note: this unit requires participation in a number of negotiations. Preparation for these negotiations, which are a large part of the grade, will require time-pressured reading of material in class.</td>
<td>1, 2</td>
</tr>
<tr>
<td>IBUS6019</td>
<td>Strategy and Emerging Markets</td>
<td>-</td>
<td>July</td>
</tr>
<tr>
<td>IBUS6020</td>
<td>Enterprise Management in China</td>
<td>CHSC6902</td>
<td>1, 2</td>
</tr>
<tr>
<td>INFS6030</td>
<td>Project Management in Practice</td>
<td>INF5001</td>
<td>1</td>
</tr>
<tr>
<td>ITLS6500</td>
<td>Decision Making on Mega Projects</td>
<td>ITLS5000 or TPTM5001 or ITLS5100 or TPTM6241 or INF5001</td>
<td>1</td>
</tr>
<tr>
<td>ITLS6501</td>
<td>Infrastructure Financing</td>
<td></td>
<td>July</td>
</tr>
<tr>
<td>MKTG6022</td>
<td>Marketing Performance Analytics and Metrics</td>
<td>BUSS6002</td>
<td>1</td>
</tr>
<tr>
<td>BUSS6104</td>
<td>Business Practicum</td>
<td>A A sound understanding of business and strong written and oral communication skills. Completion of at least 48 credit points</td>
<td>2</td>
</tr>
<tr>
<td>BUSS6500</td>
<td>Industry Placement</td>
<td>P Completion of at least 48 credit points with a minimum credit average (65%) ECOF6500</td>
<td>February</td>
</tr>
<tr>
<td>BUSS6503</td>
<td>USA Industry Placement</td>
<td>P 48 credit points with a minimum credit average (65%).</td>
<td>February</td>
</tr>
</tbody>
</table>
Note: Department permission required for enrolment
Further information and application process is outlined at http://sydney.edu.au/business/study/opportunities/industry_placement_program.

**BUSS6504 Europe Industry Placement**  
6 P 48 credit points with a minimum credit average (65%)  
*Note: Department permission required for enrolment  
Permission is required to enrol in this unit. Contact the Careers and Employability Office for details: business.placements@sydney.edu.au.*  
Intensive July

**BUSS6506 China Industry Placement**  
6 P Completion of at least 48 credit points with a minimum credit average (65%)  
*Note: Department permission required for enrolment  
Permission is required to enrol in this unit. Contact the Careers and Employability Office for details: business.placements@sydney.edu.au.*  
Intensive December  
Intensive February  
Intensive March

**BUSS6514 Industry Self-Sourced Placement**  
6 A A sound understanding of business and strong written and oral communication skills  
P Completion of at least 48 credit points.  
*Note: Department permission required for enrolment*  
Intensive February  
Semester 1  
Semester 2

**BUSS6515 Leadership and Collaboration Study Tour**  
6 A A sound understanding of business and strong written and oral communication skills  
P Completion of at least 24 credit points with a minimum WAM of 50%  
*Note: Department permission required for enrolment*  
Intensive July

**Dissertation**  
**BUSS7000 Business Dissertation**  
12 P 48 credit points of prior study in the Master of Commerce program with a grade average of at least 80%.  
Semester 1  
Semester 2
Note: Department permission required for enrolment

BUSS7001
Business Dissertation
B

12
P 48 credit points of prior study in the Master of Commerce program with a grade average of at least 80%.

Note: Department permission required for enrolment

Semester 1
Semester 2

BUSS7002
Business Dissertation

24
P 48 credit points of prior study in the Master of Commerce program with a grade average of at least 80%.

Note: Department permission required for enrolment

Semester 1
Semester 2

<table>
<thead>
<tr>
<th>Unit of study</th>
<th>Credit points</th>
<th>A: Assumed knowledge</th>
<th>P: Prerequisites</th>
<th>C: Corequisites</th>
<th>N: Prohibition</th>
<th>Session</th>
</tr>
</thead>
</table>
| BUSS5001
Quantitative Methods for Business | 6 | A Basic calculus; basic concepts of probability & statistics | P ECMT5001 or QBUS5001 or QBUS5002 | N ECMT6008 | Semester 1 Semester 2 |

<table>
<thead>
<tr>
<th>Unit of study</th>
<th>Credit points</th>
<th>A: Assumed knowledge</th>
<th>P: Prerequisites</th>
<th>C: Corequisites</th>
<th>N: Prohibition</th>
<th>Session</th>
</tr>
</thead>
</table>
| QBUS6310
Business Operations Analysis | 6 | P ECMT5001 or QBUS5001 or QBUS5002 | N ECMT6008 | Semester 2 |
| QBUS6320
Management Decision Making | 6 | A Basic Algebra, Probability, and Statistics | P QBUS5001 or QBUS5002 | Semester 1 |
| QBUS6810
Statistical Learning and Data Mining | 6 | P ECMT5001 or QBUS5001 | Semester 1 Semester 2 |
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<table>
<thead>
<tr>
<th>Unit of Study</th>
<th>Credit Points</th>
<th>A: Assumed knowledge</th>
<th>P: Prerequisites</th>
<th>C: Corequisites</th>
<th>N: Prohibition</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>QBUS6820 Business Risk Management</td>
<td>6</td>
<td>A Knowledge of basic probability theory and familiarity with spreadsheet modelling</td>
<td>P ECMT5001 or QBUS5001</td>
<td></td>
<td></td>
<td>Semester 2</td>
</tr>
<tr>
<td>QBUS6830 Financial Time Series and Forecasting</td>
<td>6</td>
<td>A Basic knowledge of quantitative methods including statistics, basic probability theory, and introductory regression analysis.</td>
<td>P ECMT5001 or QBUS5001</td>
<td></td>
<td></td>
<td>Semester 1, Semester 2</td>
</tr>
<tr>
<td>QBUS6840 Predictive Analytics</td>
<td>6</td>
<td>P QBUS5001 or ECMT5001</td>
<td></td>
<td></td>
<td></td>
<td>Semester 1, Semester 2</td>
</tr>
<tr>
<td>QBUS6850 Machine Learning for Business</td>
<td>6</td>
<td>P QBUS6810</td>
<td></td>
<td></td>
<td></td>
<td>Semester 1, Semester 2</td>
</tr>
<tr>
<td>INF5010 Managing Business Intelligence</td>
<td>6</td>
<td>A Understanding the major functions of a business and how those business functions interact internally and externally so the company can be competitive in a changing market. How information systems can be used and managed in a business. How to critically analyse a business and determine its options for transformation. (ii) Desirable Experience as a member of a project team.</td>
<td></td>
<td></td>
<td></td>
<td>Semester 1</td>
</tr>
<tr>
<td>BUSS6002 Data Science in Business</td>
<td>6</td>
<td>A Basic knowledge of statistics, probability and linear algebra.</td>
<td>P QBUS5001 or QBUS5002</td>
<td></td>
<td></td>
<td>Semester 1, Semester 2</td>
</tr>
<tr>
<td>QBUS6860 Visual Data Analytics</td>
<td>6</td>
<td>A The unit assumes knowledge of statistics and confidence in working with data.</td>
<td>P QBUS5001 or QBUS5002</td>
<td></td>
<td></td>
<td>Semester 1, Semester 2</td>
</tr>
</tbody>
</table>

### Business Information Systems

Achievement of a specialisation in Business Information Systems requires 30 credit points from this table comprising:

(i) 6 credit points in foundational units of study

(ii) 24 credit points in elective units of study.

### Units of study for the specialisation
### Foundational unit of study

<table>
<thead>
<tr>
<th>Code</th>
<th>Name</th>
<th>Semester</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>INFS5002</td>
<td>Digital Business Foundations</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>N INFS6001</td>
</tr>
<tr>
<td></td>
<td>Semester 1</td>
<td></td>
<td>Semester 2</td>
</tr>
</tbody>
</table>

### Elective units of study

<table>
<thead>
<tr>
<th>Code</th>
<th>Name</th>
<th>Semester</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>INFS6002</td>
<td>Strategic Information Systems Sourcing</td>
<td></td>
<td>A Basic business information systems knowledge</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Semester 2 Not offered for 2020</td>
</tr>
<tr>
<td>INFS6004</td>
<td>Business Transformation Projects</td>
<td></td>
<td>A Understanding the major functions of a business and how those business functions interact internally and externally so the company can be competitive in a changing market. How Information Systems can be used and managed in a business. How to critically analyse a business and determine its options for transformation. Desirable Experience as a member of a project team.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Semester 1</td>
</tr>
<tr>
<td>INFS6012</td>
<td>Enterprise Systems Management</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Semester 2</td>
</tr>
<tr>
<td>INFS6015</td>
<td>Business Process Management</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Semester 2</td>
</tr>
<tr>
<td>INFS6016</td>
<td>Technology Enabled Business Innovation</td>
<td></td>
<td>A INFS6004 and; Understanding the major functions of a business and how those business functions interact internally and externally so the company can be competitive in the market is essential in order to critically analyse how and where a business can be innovative. Some knowledge of how technology can be applied in a business is also essential. Experience as a member of a project team is desirable.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Semester 2</td>
</tr>
<tr>
<td>INFS6018</td>
<td>Managing Business Intelligence</td>
<td></td>
<td>A Understanding the major functions of a business and how those business functions interact internally and externally so the company can be competitive in a changing market. How information systems can be used and managed in a business. How to critically analyse a business and determine its options for transformation. (ii) Desirable</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Semester 1</td>
</tr>
</tbody>
</table>
Experience as a member of a project team.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>INFS6023</td>
<td>Data Visualisation</td>
<td>6</td>
<td>Semester 1</td>
</tr>
<tr>
<td>INFS6032</td>
<td>Agile Project Management</td>
<td>6</td>
<td>Semester 2</td>
</tr>
<tr>
<td>INFS6066</td>
<td>Gadgets, Gods and Godzilla</td>
<td>6</td>
<td>Semester 1</td>
</tr>
</tbody>
</table>

A Business knowledge and familiarity with organisational information technologies as covered in INFS5002 Digital Business Foundations.

### FINANCE

Achievement of a specialisation in Finance requires 30 credit points from this table comprising:

(i) 6 credit points in foundational units of study

(ii) 6 credit points in compulsory units of study

(iii) 18 credit points in elective units of study.

#### Units of study for the specialisation

**Foundational unit of study**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>FINC5001</td>
<td>Capital Markets and Corporate Finance</td>
<td>6</td>
<td>Intensive January, Intensive July, Semester 1, Semester 2</td>
</tr>
</tbody>
</table>

**Compulsory units of study**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>FINC6001</td>
<td>Intermediate Corporate Finance</td>
<td>6</td>
<td>P FINC5001</td>
</tr>
</tbody>
</table>

Intensive January, Intensive July, Semester 1, Semester 2

**Elective units of study**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
<th>Corequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>BANK6002</td>
<td>Bank Management</td>
<td>6</td>
<td>C FINC5001</td>
</tr>
</tbody>
</table>

Semester 1
<table>
<thead>
<tr>
<th>Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites</th>
<th>Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>BANK6003</td>
<td>Global Supervision of Bank Risks</td>
<td>6</td>
<td>C FINC5001</td>
<td>Semester 2</td>
</tr>
<tr>
<td>BANK6005</td>
<td>International Banking</td>
<td>6</td>
<td>C FINC5001</td>
<td>Semester 1</td>
</tr>
<tr>
<td>CLAW6031</td>
<td>International Financial Crime</td>
<td>6</td>
<td></td>
<td>Semester 1</td>
</tr>
<tr>
<td>FINC6000</td>
<td>Quantitative Finance and Derivatives</td>
<td>6</td>
<td>A This unit requires students to have some background in calculus, matrices, statistics and probability. P FINC5001 N FINC5002</td>
<td>Semester 1 Semester 2</td>
</tr>
<tr>
<td>FINC6005</td>
<td>Advanced Asset Pricing</td>
<td>6</td>
<td>P FINC5001 or FINC5002 or FINC6000</td>
<td>Semester 1</td>
</tr>
<tr>
<td>FINC6009</td>
<td>Portfolio Theory and its Applications</td>
<td>6</td>
<td>P FINC5001 or FINC5002 or FINC6000</td>
<td>Semester 2</td>
</tr>
<tr>
<td>FINC6010</td>
<td>Derivative Securities</td>
<td>6</td>
<td>P FINC5001</td>
<td>Semester 2</td>
</tr>
<tr>
<td>FINC6013</td>
<td>International Business Finance</td>
<td>6</td>
<td>P FINC5001</td>
<td>Semester 1</td>
</tr>
<tr>
<td>FINC6014</td>
<td>Fixed Income Securities</td>
<td>6</td>
<td>P FINC5001</td>
<td>Semester 2</td>
</tr>
<tr>
<td>FINC6015</td>
<td>Trading in Modern Financial Markets</td>
<td>6</td>
<td>P FINC5001</td>
<td>Intensive January Semester 2</td>
</tr>
<tr>
<td>FINC6017</td>
<td>Mergers and Acquisitions</td>
<td>6</td>
<td>P FINC5001 N ACCT6011</td>
<td>Semester 2</td>
</tr>
<tr>
<td>FINC6021</td>
<td>Corporate Valuation</td>
<td>6</td>
<td>P FINC5001</td>
<td>Semester 1</td>
</tr>
<tr>
<td>FINC6024</td>
<td>Real Estate Finance and Investment</td>
<td>6</td>
<td>P FINC5001</td>
<td>Semester 1</td>
</tr>
</tbody>
</table>
Logistics and Supply Chain Management

Achievement of a specialisation in Logistics and Supply Chain Management requires 30 credit points from this table comprising:

(i) 6 credit points in foundational units of study

(ii) 24 credit points in elective units of study

**Units of study for the specialisation**

**Foundational unit of study**

<table>
<thead>
<tr>
<th>Unit of study</th>
<th>Credit points</th>
<th>A: Assumed knowledge</th>
<th>P: Prerequisites</th>
<th>C: Corequisites</th>
<th>N: Prohibition</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITLS5000 Foundations of Supply Chain Management</td>
<td>6</td>
<td>N TPTM6155 or TPTM5001</td>
<td></td>
<td></td>
<td></td>
<td>Semester 1 Semester 2</td>
</tr>
</tbody>
</table>

**Elective units of study**

<table>
<thead>
<tr>
<th>Unit of study</th>
<th>Credit points</th>
<th>A: Assumed knowledge</th>
<th>P: Prerequisites</th>
<th>C: Corequisites</th>
<th>N: Prohibition</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITLS5200 Quantitative Logistics and Transport</td>
<td>6</td>
<td>C ITLS5000 or TPTM5001 or ITLS5100 or TPTM6241 N TPTM6495</td>
<td></td>
<td></td>
<td></td>
<td>Semester 1 Semester 2</td>
</tr>
<tr>
<td>ITLS6002 Supply Chain Planning and Design</td>
<td>6—</td>
<td>P ITLS5200 or TPTM6495 or STAT5002 C ITLS5000 or TPTM5001 or TPTM6155 or TPTM6190</td>
<td></td>
<td></td>
<td></td>
<td>Semester 1 Semester 2</td>
</tr>
<tr>
<td>ITLS6003 Contemporary Procurement</td>
<td>6</td>
<td>A Basic ability to work with Excel is assumed. C ITLS5200 or QBUS5001 N TPTM6400</td>
<td></td>
<td></td>
<td></td>
<td>Semester 1 Semester 2</td>
</tr>
<tr>
<td>ITLS6007 Disaster Relief Operations</td>
<td>6—</td>
<td>N TPTM6390</td>
<td></td>
<td></td>
<td></td>
<td>Intensive July</td>
</tr>
<tr>
<td>ITLS6008 Production and Operations Management</td>
<td>6</td>
<td>C ITLS5000</td>
<td></td>
<td></td>
<td></td>
<td>Semester 2</td>
</tr>
<tr>
<td>ITLS6101 Global Freight Logistics Management</td>
<td>6</td>
<td>N TPTM6440</td>
<td></td>
<td></td>
<td></td>
<td>Semester 1</td>
</tr>
</tbody>
</table>
### Non-Confidential

<table>
<thead>
<tr>
<th>Unit of study</th>
<th>Credit points</th>
<th>A: Assumed knowledge</th>
<th>P: Prerequisites</th>
<th>C: Corequisites</th>
<th>N: Prohibition</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITLS6107 Applied GIS and Spatial Data Analytics</td>
<td>6</td>
<td>N TPTM6180</td>
<td></td>
<td></td>
<td></td>
<td>Semester 2</td>
</tr>
<tr>
<td>ITLS6300 Maritime Management and Logistics</td>
<td>6</td>
<td>C ITLS5000 or TPTM5001 or ITLS5100 or TPTM6241 or N TPTM6200</td>
<td></td>
<td></td>
<td></td>
<td>Semester 1</td>
</tr>
<tr>
<td>ITLS6301 City Logistics</td>
<td>6</td>
<td>C ITLS6101 or N TPTM6160</td>
<td></td>
<td></td>
<td></td>
<td>Summer Main</td>
</tr>
<tr>
<td>ITLS6400 Airline Strategy and Supply Chains</td>
<td>6</td>
<td>C ITLS6101 or N TPTM6160</td>
<td></td>
<td></td>
<td></td>
<td>Semester 2</td>
</tr>
</tbody>
</table>

### People, Management and Organisations

Achievement of a specialisation in People, Management and Organisations requires 30 credit points from this table comprising:

(i) 6 credit points in foundational units of study

(ii) 24 credit points in elective units of study.

#### Units of study for the specialisation

##### Foundational unit of study

<table>
<thead>
<tr>
<th>Unit of study</th>
<th>Credit points</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>WORK5003 Management and Organisations</td>
<td>6</td>
<td>Semester 1 Semester 2</td>
</tr>
</tbody>
</table>

##### Elective units of study

<table>
<thead>
<tr>
<th>Unit of study</th>
<th>Credit points</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>WORK6001 Organisational Analysis and Behaviour</td>
<td>6</td>
<td>Semester 1</td>
</tr>
<tr>
<td>WORK6002 Strategic Management</td>
<td>6</td>
<td>Semester 1a Semester 2</td>
</tr>
<tr>
<td>WORK6012 Industrial Relations Policy</td>
<td>6</td>
<td>Intensive September</td>
</tr>
</tbody>
</table>
### Non-Confidential

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Diet Changes Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>WORK6017</td>
<td>Human Resource Strategies</td>
<td>6</td>
<td>Semester 1 or Semester 2</td>
</tr>
<tr>
<td>WORK6026</td>
<td>Organisational Change and Development</td>
<td>6</td>
<td>Semester 1</td>
</tr>
<tr>
<td>WORK6030</td>
<td>Performance and Rewards</td>
<td>6</td>
<td>Semester 2b</td>
</tr>
<tr>
<td>WORK6033</td>
<td>Organisational Sustainability</td>
<td>6</td>
<td>Semester 1</td>
</tr>
<tr>
<td>WORK6100</td>
<td>Disruptions &amp; Innovations in HRM</td>
<td>6</td>
<td>Semester 1A</td>
</tr>
<tr>
<td>WORK6108</td>
<td>International Dimensions of HRM</td>
<td>6</td>
<td>Semester 2</td>
</tr>
<tr>
<td>WORK6115</td>
<td>Managing Diversity and Inclusion at Work</td>
<td>6</td>
<td>Intensive August</td>
</tr>
<tr>
<td>WORK6116</td>
<td>Employment and the Law</td>
<td>6</td>
<td>Semester 1 or Semester 2</td>
</tr>
<tr>
<td>WORK6118</td>
<td>Managing Communication in Organisations</td>
<td>6</td>
<td>Semester 1</td>
</tr>
<tr>
<td>WORK6120</td>
<td>Research Essay</td>
<td>6</td>
<td>Semester 1 or Semester 2</td>
</tr>
<tr>
<td>WORK6130</td>
<td>Leadership in Organisations</td>
<td>6</td>
<td>Semester 1</td>
</tr>
</tbody>
</table>

### 4. Other relevant information

The proposed changes will affect continuing MCom students.

Diet Changes required:
- A new version of the Foundational units of study collection (C_GCCOMMER1000_000_F_003) for the Master of Commerce, Graduate Diploma in Commerce and the Graduate Certificate in
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Commerce will be required – removing ITLS5100 from this collection for 2020 commencing students.

- A new version of the Elective units of study collections (C_MACOMMER2000_000_E_003, C_GNCOMMER2000_000_E_001 and C_GCCOMMER1000_000_E_003) for the Master of Commerce, the Graduate Diploma in Commerce and the Graduate Certificate in Commerce will be required – removing ITLS6002, ITLS6007, ITLS6102, ITLS6103 and WORK6017 from these collections for 2020 commencing students. Reallocated and new units listing in the table above will also be added to these collections.

- For the existing Business Analytics pathway (version S-BUSANL-01) the following units of study will be added to the Elective units of study (S-BUSANL_000_E_001) collection: BUSS6002 and QBUS6860.

- For the existing Business Information Systems pathway (version S-BUSINS-02) the following units of study will be added to the Elective units of study (S_BUSINS_000_E_003) collection: INFS6066 (newly proposed unit).

- A new version of the Logistics and Supply Chain Management pathway’s (version S-LOGMAN-03) Elective unit of study collection (S_LOGMAN_000_E_003) will be required – removing ITLS6002 and ITLS6007 for 2020 from this collection for 2020 commencing students. To this new collection, the following units of study will also be added: ITLS6300, ITLS6301 and ITLS6400.

- A new version of the People, Work and Organisations pathway’s (version S-PEMAOR-01) Elective unit of study collection (S_MANAGE_000_E_002) will be required – removing WORK6017 from this collection for 2020 commencing students.

5. Signature of Dean

03/04/2019
RECOMMENDATION

That the Graduate Studies Committee recommend that Academic Board:

(1) approve the proposal from the Sydney Business School to amend the Master of Management (CEMS); and
(2) approve the amendment of the Course Resolutions and unit of study tables arising from the proposal, with effect from 1 January 2020.

EXECUTIVE SUMMARY

The purpose of the proposal is to amend the unit of study tables with effect from January 2020 to: (a) introduce core units; (b) align with revisions made to the Master of Management program as a result of the program review undertaken in 2018; (c) increase elective options.

BACKGROUND / CONTEXT

As a result of the Master of Management course review undertaken in 2018, it has been identified that the Master of Management and the Master of Management (CEMS) need to be further separated as two distinctive programs. The proposed changes are in line with this requirement and to ensure Master of Management (CEMS) students will have tailored options in both the core and elective offerings. This is also in line with the previous peer review from the CEMS Global Alliance in Management Education in 2016 where clearer separation between the two programs has been requested. An internal course review of the Master of Management (CEMS) will take place in 2019/20.

Furthermore, the CEMS Academic Director Committee (one of the external governing bodies for the CEMS program comprised by the Academic Director from the 32 universities) is currently reviewing the curriculum as well as the CEMS narrative. The changes proposed are in line with the current thinking at the CEMS Academic Director Committee level and are building a distinctive flavour for the USYD Master of Management (CEMS) around the new core units.

The AQF outcomes are not in any way affected by the proposed changes.
CONSULTATION

<table>
<thead>
<tr>
<th>Date</th>
<th>Consultees</th>
<th>Method of consultation</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 March 2019</td>
<td>Vikas Kumar, HOD International Business Discipline</td>
<td>Email correspondence</td>
</tr>
<tr>
<td>5 March 2019</td>
<td>Betina Szkudlarek, MMGT Academic Director</td>
<td>Phone conversation; Email correspondence</td>
</tr>
</tbody>
</table>

ATTACHMENTS

Attachment 1. Minor course amendment proposal - Master of Management (CEMS)
Attachment 2. Amendments to course resolutions – Master of Management (CEMS)
Faculty: Business School

1. Name of award course
   Master of Management (CEMS)

2. Purpose of proposal
   The purpose of the proposal is to amend the unit of study tables with effect from January 2020 to:
   (a) introduce core units; (b) align with revisions made to the Master of Management program as a result of the program review undertaken in 2018; (c) increase elective options.

   As a result of the Master of Management program review, it has been identified that the Master of Management and the Master of Management (CEMS) need to be further separated as two distinctive programs. The proposed changes are in line with this requirement and to ensure Master of Management (CEMS) students will have tailored options for both core and elective courses. This is also in line with the previous peer review from CEMS in 2016 where clearer separation between the two programs has been requested. A program review of the Master of Management (CEMS) program will take place in 2019/20.

   Furthermore, the CEMS Academic Director Committee (one of the external governing bodies for the CEMS program comprised by the Academic Director from the 32 universities) is currently reviewing the curriculum as well as the CEMS narrative. The changes proposed are in line with the current thinking at the CEMS Academic Director Committee level and are building a distinctive flavour for the USYD Master of Management (CEMS) around the new core units.

3. Details of amendment
   See Attachment 2 which details proposed amendments to the course resolutions.

   **TABLE OF POSTGRADUATE UNITS OF STUDY: MASTER OF MANAGEMENT (CEMS)**

   *Note:* ‘Exchange’ denotes units that are completed at a CEMS partner institution.

   *Note.* With the permission of the Academic Program Director, other units of study may be substituted for those listed above.

<table>
<thead>
<tr>
<th>Unit of study</th>
<th>Credit points</th>
<th>A: Assumed knowledge</th>
<th>P: Prerequisites</th>
<th>C: Corequisites</th>
<th>N: Prohibition</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Management (CEMS)</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Master of Management (CEMS)</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Students must complete 72 credit points in units of study, comprising:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(i) 24 credit points in core units of study;</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(ii) 60 36 credit points in elective units of study</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(iii) a 12 credit point capstone unit of study CEMS business project</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Units of study for the degree</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Core units of study</strong></td>
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<td></td>
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</tr>
<tr>
<td>Item No</td>
<td>Course Title</td>
<td>Credits</td>
<td>Delivery</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>---------</td>
<td>---------------------------------------------------------------</td>
<td>---------</td>
<td>----------------------------------------</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CEMS6XXX</td>
<td>Ethical International Business Decisions</td>
<td>6</td>
<td>Semester 1 Semester 2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CEMSXXXX</td>
<td>Digital Transformation</td>
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### MMGT6012
**Business Tools for Management**

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This unit is only available to students enrolled in the Master of Management or Master of Management (CEMS).

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### MMGT6017
**Advanced Financial Management**

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N MMGT6016; MMGT6003

This unit is only available to students enrolled in the Master of Management or Master of Management (CEMS).

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### MMGT6688
**The Future of Business**

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N MMGT6100

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### Capstone unit of study

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### Other relevant information

These changes will require a new version of the Master of Management (CEMS) diet (MAMACEMS1000-1-003) comprising:

1. New “Core units of study” collection.
   - Requiring the completion of 24 credit points from the units listed in the table above under Core units of study
   - New help text to guide students’ enrolment (provided to AMT separate to this proposal).

2. New “Elective units of study” collection
   - Requiring the completion of 36 credit points from the units listed in the table above under Elective units of study

3. Reuse of the existing CEMS Business project units of study collection
   (C_MAMACEMS1000_000_C_004) – with a rename the collection to “Capstone unit of study”

### Signature of Dean

03/04/2019
Management

Master of Management

Master of Management (CEMS)

These resolutions must be read in conjunction with applicable University By-laws, Rules and policies including (but not limited to) the University of Sydney (Coursework) Rule 2014 (the ‘Coursework Rule’), the Coursework Policy 2014, the Resolutions of the Faculty, the University of Sydney (Student Appeals against Academic Decisions) Rule 2006 (as amended), the Academic Honesty in Coursework Policy 2015 and the Academic Honesty Procedures 2016. Up to date versions of all such documents are available from the Policy Register: http://sydney.edu.au/policies.

Course resolutions

1 Course codes

<table>
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<th>Code</th>
<th>Course title</th>
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<tr>
<td>MAMANAGE-02</td>
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<td>MAMACEMS-01</td>
<td>Master of Management (CEMS)</td>
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<tr>
<td>GCMANAGE-02</td>
<td>Graduate Certificate in Management</td>
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</table>

2 Attendance pattern

(1) The attendance pattern for the Master of Management is full time or part time according to candidate choice.

(2) The attendance pattern for the Master of Management (CEMS) is full time only.

3 Master's type

The master's degrees in these resolutions are professional master's courses, as defined by the Coursework Policy.

4 Embedded courses in this sequence

(1) The embedded courses in this sequence are:
(a) the Master of Management
(b) the Master of Management (CEMS)
(c) the Graduate Certificate in Management

5 Admission to candidature

(1) Available places will be offered to qualified applicants ranked on merit in accordance with the following criteria:
   (a) Master of Management:
      (i) an Australian Qualifications Framework Level 7 or higher qualification with a minimum credit average (or equivalent) at an institution approved by Business School; or
      (ii) an Australian Qualifications Framework Level 7 or higher qualification (or equivalent) and performance in an admissions test approved by the Business School to a standard considered satisfactory by the Business School; and
      (iii) a selection interview establishing the candidate’s suitability for the degree; and
      (iv) a personal statement demonstrating academic motivation; and
      (v) satisfaction of the English language requirements; and
      (vi) any other minimum standards specified by the Business School.
   (b) Master of Management (CEMS):
      (i) an Australian Qualifications Framework Level 7 or higher qualification in a cognate discipline as defined by the Business School, with a minimum credit average (or equivalent) at an institution approved by the Business School; and
      (ii) performance in an admissions test approved by the Business School to a standard considered satisfactory by the Business School; and
      (iii) a selection interview establishing the candidate’s suitability for the degree; and
      (iv) a personal statement demonstrating academic motivation; and
      (v) satisfaction of the English language requirements; and
      (vi) additional language requirements as specified by the CEMS Global Alliance for Management Education; and
      (vii) any other minimum standards specified by the Business School.
   (c) Admission to the Graduate Certificate in Management is only by transfer from the master's degree.

(2) In exceptional circumstances the Business School may admit applicants without these qualifications who, in the opinion of the Business School, have qualifications and evidence of experience and achievement sufficient to successfully undertake the award.

6 Requirements for award

(1) The units of study that may be taken for the courses are set out in the Table of postgraduate units of study: Master of Management and the Table of postgraduate units of study: Master of Management (CEMS).

(2) To qualify for the award of the Master of Management a candidate must complete 60 credit points, comprising:
   (a) 48 credit points in core units of study; and
   (b) 12 credit points in elective units of study; and
   (c) a 12 credit point capstone business project.

(3) To qualify for the award of the Master of Management (CEMS), a candidate must complete 72 credit points, comprising:
   (a) 24 credit points in core units of study; and
   (b) 36 credit points in elective units of study selected from the Table of postgraduate units of study: Master of Management (CEMS);
Management

(c) a 12 credit point capstone business project.
(c) Included within the units of study, candidates may undertake no more than 36 credit points of units of study at CEMS partner institutions.
(4) To qualify for the award of the Graduate Certificate in Management a candidate must complete a minimum of 24 credit points in core units of study.

7 Progression rules
(1) *Master of Management*
(i) Unless otherwise permitted, candidates must complete the units of study for the Master of Management in a prescribed sequence as specified by the Business School.
(ii) Students must have completed 24 credit points before enrolment in the business project.

8 Recognition of prior learning
No recognition of prior learning will be applied to the Management programs.

9 Course transfer
(1) A candidate for the Master of Management or Master of Management (CEMS) may elect to discontinue study and graduate with the graduate certificate, with the approval of the Business School, and provided that the requirements of the shorter award have been met.

10 Transitional provisions
(1) These resolutions apply to students who commenced their candidature after 1 January, 2018.
(2) Candidates who commenced prior to 1 January, 2018 complete the requirements in accordance with the resolutions in force at the time of their commencement, provided that requirements are completed by 1 January, 2023. The Business School may specify a later date for completion or specify alternative requirements for completion of candidatures that extend beyond this time.
Non-Confidential

| Authors            | Rachel Symons, Senior Policy & Project Officer, DVC Education Portfolio  
|                    | Prof. Ross Coleman, Director - Graduate Research |
| Reviewer/Approver  | Prof. Ross Coleman, Director - Graduate Research |
| Purpose            | This paper proposes amendments to the Supervision of Higher Degree by Research Students Policy 2013 to include principles relating to respectful research supervisory relationships. |

RECOMMENDATION

That the Graduate Studies Committee note the necessary changes to the Supervision of Higher Degree by Research Students Policy 2013.

CONTEXT

In August 2018, Universities Australia (UA) with the National Tertiary Education Union (NTEU), Council of Australian Postgraduate Associations (CAPA) and the Australian Council of Graduate Research (ACGR) released the ‘Principles for Respectful Supervisory Relationships’. This set of Principles was an outcome of the “Respect.Now.Always” initiative from UA, which itself was a response to community concern about the safety of students in the context of sexual violence. The UA report recognised that whilst the student-supervisor relationship was fundamental to the success of HDR candidatures, the nature of the work and the significant power asymmetry meant that HDR supervision was vulnerable to the development of inappropriate sexual or romantic relationships and ultimately the potential for non-consensual sexual interactions between student and supervisor. In developing the principles, the authors of the report drew on the analogy of medical and psychology practitioner-patient interactions, in which any sexualised/romantic relationships are expressly forbidden by codes of conduct.

The Principles for Respectful Supervisory Relationships sets out a series of expectations of an institution engaged in research supervision. The University has existing policies and codes of conduct that lay out our standards for behaviours in HDR supervision.

At the November 2018 meeting, the AB Academic Standards and Policy Committee endorsed the following changes to the Supervision of Higher Degree by Research Students Policy 2013:

At each of 14(3) and 15(1) of the Supervision of Higher Degree by Research Students Policy 2013, the statement that “that sexual/romantic relationships between an HDR student and his/her supervisor(s) are never appropriate” be inserted [Resolution ASPC18/6-10]. The attached policy shows these changes, together with changes arising from the move of the HDRAC from the Registrar Portfolio to the VP (Ops) Portfolio.

The ASPC meeting in November 2018 also noted the possibility of inserting text into the Essential Interests policy 2010 to identify that sexual and/or romantic relationships between an HDR student and his/her supervisor represented a conflict of interest. Detailed analysis of the Essential Interests Policy 2010 revealed

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Non-Confidential

that no other types of conflict of interest are identified in the policy and so, it would not make sense just to note this one conflict of interest scenario and ignore any others. The suggestion is that the intent of the UA report can be met through the required change to the Supervision of Higher Degree by Research Students Policy 2013

ATTACHMENT

• Supervision of Higher Degree by Research Students Policy 2013.
SUPERVISION OF HIGHER DEGREE BY RESEARCH STUDENTS POLICY 2013

The Academic Board as delegate of the Senate of the University of Sydney, adopts the following policy.

Dated: 22 February 2013

Last amended: 16 November 2018 (administrative amendments)

Signature:

Position: Chair, Academic Board

CONTENTS

1 Name of policy

This is the Supervision of Higher Degree by Research Students Policy 2013.

2 Commencement

This policy commences on 22 February 2013

3 Policy is binding

Except to the extent that a contrary intention is expressed, this policy binds the University, staff, students and affiliates.
4 Statement of intent

This policy:

(a) ensures that higher degree by research students are supported to produce research of the highest national and international quality;

(b) enables students involved in a higher degree by research to be part of an intellectually stimulating academic environment and receive effective supervision during their studies;

(c) provides for a positive and proactive approach to research supervision; and

(d) requires provision of foundational guidance, support, recognition, development and leadership opportunities for supervisors; and

(e) supports the conduct of research training in a safe manner which is conducive to student wellbeing.

5 Application

This policy applies to:

(a) staff, students and affiliates; and

(b) any formal research supervision program provided to students in either of the following degrees:
   (i) Doctorate by research; or
   (ii) Master’s by research.

6 Definitions and interpretation

(1) In this policy:

   academic dishonesty means seeking to obtain or obtaining academic advantage (including in the assessment or publication of work) by dishonest or unfair means or knowingly assisting another to do so.

   Note: See also Academic Honesty in Coursework Policy 2015

   affiliate has the meaning provided in the Code of Conduct – Staff and Affiliates, which at the date of this policy is:

   clinical title holders; adjunct, conjoint and honorary appointees; consultants and contractors to the University; holders of offices in University entities, members of Boards of University Foundations, members of University Committees; and any other persons appointed or engaged by the University to perform duties or functions on its behalf.

   AQF means the Australian Qualifications Framework (http://www.aqf.edu.au/)

   associate dean means the associate dean with authority for overseeing higher degrees by research in the relevant faculty.
auxiliary supervisor has the meaning provided in clause 8 of this policy.

candidature means the period commencing when a person is enrolled in an award course, in accordance with University and government requirements as amended from time to time, and ending when the degree is conferred or the candidature otherwise ceases.

co-ordinating supervisor means the research supervisor in a supervisory team who has designated academic delegations and responsibility for administrative requirements.

co-supervision means the situation where two or more research supervisors are appointed to supervise a student.

dean means the dean of the relevant faculty or the Head of School and Dean of the relevant University school.

delegate means a person authorised by the Senate to act on behalf of the University in specified situations, as provided in the University of Sydney (Delegations of Authority – Administrative Functions) Rule 2016 or the University of Sydney (Delegations of Authority – Academic Functions) Rule 2016.

doctorate by research has the meaning provided in the University of Sydney (Higher Degree by Research) Rule 2011 (as amended) which at the date of this policy is:

a degree with the word ‘Doctor’ in the title comprising a minimum of two-thirds research that is approved by the Academic Board.

Note: The Academic Board will not approve a Doctorate by research unless it complies with the Australian Qualifications Framework at AQF level 10.

Educational Innovation means the Educational Innovation unit within the Deputy Vice-Chancellor (Education) portfolio.

ESOS National Code means the standards governing the protection of overseas students and the delivery of courses to such students, established under the Education Services for Overseas Students (ESOS) Act 2000 (Cth).

faculty means a faculty or University school, and refers to the student’s faculty or University school of enrolment.

Graduate Studies Committee means the Graduate Studies Committee of the Academic Board.

HDR Administrative Centre means the Higher Degree by Research Administrative Centre within the Deputy Vice-Chancellor (Registrar) portfolio Vice Principal (Operations) portfolio.

international student advisers means staff within the International Student Office who provide support to international students on issues related to student visa, scholarship and general academic progression.
The University of Sydney (Higher Degree by Research Rule) 2011 [as amended] which at the date of this policy is:

a degree with the word ‘Master’ in the title comprising a minimum of two thirds research that is approved by the Academic Board.

Note: The Academic Board will not approve a Master’s by research unless it complies with the Australian Qualifications Framework at AQF Level 9.

plagiarism means presenting another person's work as one's own work by presenting, copying or reproducing it without appropriate acknowledgement of the source. Plagiarism is a form of academic dishonesty.

Note: See also Academic Honesty in Coursework Policy 2015

postgraduate coordinator means the academic staff member with overall responsibility for the planning and coordination of postgraduate research students within a faculty, University school or school.

probationary period has the meaning as described in clauses 2.05, 3.05, and 4.04 of the University of Sydney (Higher Degree by Research) Rule 2011

progress review means a progress review conducted in accordance with Part 3 of the Progress Planning and Review for Higher Degree by Research Students Policy 2015.

research supervisor has the meaning provided in clause 8 of this policy.

school means the academic unit responsible for a student’s higher degree by research candidature.

student means a person who is currently enrolled in a higher degree by research award course at the University.

supervisor means, in relation to a higher degree by research student, a person appointed to discharge the responsibilities set out in clause 14 of this policy. For the purpose of this policy, the generic term supervisor(s) will be used to include research supervisors, co-ordinating supervisors, and auxiliary supervisors.

Supervisor Register means the University-wide register of individuals approved as supervisors for higher degree by research students, established under clause 13 of this policy.

supervisory team means a group team of supervisors appointed to supervise a student in accordance with the provisions of clause 13 of this policy.
7 Principles of supervision

(1) Roles and responsibilities

(a) Higher degree by research students are ultimately responsible for their own work.

(b) Supervisors are responsible for offering tailored guidance and constructive feedback.

(c) Supervisors and students must discuss their respective roles, and the expectations and requirements of the degree. They must reach a common understanding of:
   (i) key project aims;
   (ii) key milestones;
   (iii) proposed timetable; and
   (iv) methods of working together,
and must revisit these regularly to ensure that the project stays on track.

(2) Quality of relationships

(a) Supervisors and students must establish and maintain clear communication, which means actively clarifying any misunderstandings or divergent expectations as they arise.

(b) Giving and receiving critical feedback, and learning how to use it effectively, are integral aspects of the research process. Supervisors and students should undertake these activities with a spirit of goodwill and a common focus on producing quality learning as well as quality work.

(c) Supervisors should be responsive to students’ changing needs at different stages of the degree.

(3) Diversity

(a) Supervisors and students must treat each other fairly and reasonably and should respect the social and intellectual diversity of the University community.

(b) Supervisors and students must not engage in, or tolerate, harassment and discrimination.

Note: See also:
- Code of Conduct – Staff and Affiliates:
- Code of Conduct for Students
- Bullying, Harassment and Discrimination Prevention Policy 2015
- Student Sexual Assault and Sexual Harassment Policy 2018.

(c) Supervisors and students must recognise that every supervisory relationship is unique and will reflect the particular needs, preferences and work styles of those involved.

(d) Supervisors and students must recognise that intellectual and practical input from other supervisors is necessary and desirable, and is to be encouraged.

(e) Supervisors and students must exercise professional discretion in their relationship, maintaining confidentiality where appropriate.
(4) **Life-long learning**

(a) Students are encouraged to take part in opportunities at the University to develop skills and knowledge that complement their research.

(b) The University recognises its responsibility to foster research communities that welcome and engage research students as active participants.

**Note:** See also *Learning and Teaching Policy 2015*.

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8 **Supervisors**

(1) All supervisors must be current staff or affiliates of the University and will be categorised as either:

(a) research supervisors; or

(b) auxiliary supervisors.

(2) Supervisors may come from the same faculty or department as the one in which the student is enrolled or from different faculties or departments as appropriate to the research project.

(3) Supervisors are appointed to a particular candidature by the relevant postgraduate coordinator.

(4) Research supervisors:

(a) have the primary responsibility for the conduct of the candidature in accordance with guidelines determined by the Academic Board;

(b) are responsible for monitoring the provision of appropriate support, resources, information and guidance to the student; and

(c) are responsible for reporting the progress of the candidature to the relevant head of department and the relevant dean or associate dean.

(5) Auxiliary supervisors are appointed to assist in the supervision of the candidature.

(6) The practice of auxiliary supervision is flexible to allow for a variety of models as may be appropriate for individual candidatures. Appropriate models include:

(a) a person with considerable experience as a research supervisor serving as an advisor or mentor to a research supervisor who is new to that role;

(b) a person with the appropriate knowledge required for part of the student’s candidature;

(c) a person whose links with industry enable a student to have access to specialised equipment and facilities; or

(d) a person in an external institution or university who is an expert on the subject matter.

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9 **Supervisory teams**

(1) All higher degree by research students will be supervised by a supervisory team consisting of at least two supervisors, of whom at least one will be a research supervisor.

(2) The relevant postgraduate coordinator must determine appropriate supervisory arrangements for each student based on skills, experience, workload, projected
availability of staff and other requirements appropriate to the candidate, degree and research project.

(3) The postgraduate coordinator may review and change supervisory arrangements as required throughout the course of the candidature.

(4) Supervisory teams must include at least one member of the academic staff with the requisite skills, knowledge and experience for supervision of the particular student.

(5) Each individual member of a supervisory team must:
(a) be eligible to supervise higher degree by research students;
(b) be familiar with the University’s policies, procedures and resources, and applicable faculty requirements.

(6) Together the team must:
(a) have content expertise in the area of the student’s research;
(b) be structured in such a way that no individual supervisor is a research supervisor for more than 5 full time candidates except as permitted according to Clause 13 of this policy; and
(c) be able to provide continuous supervision for the likely duration of the student’s candidature, allowing for changes in any individual supervisor’s availability.

(7) One research supervisor in the team must be nominated as the co-ordinating supervisor.
(a) The co-ordinating supervisor is responsible for:
   (i) meeting administrative requirements; and
   (ii) reporting the aggregated views of team members to the postgraduate coordinator or dean or associate dean.

(b) An auxiliary supervisor may not act as co-ordinating supervisor except when appointed in the temporary absence of a research supervisor as set out in clause 14(10)(c) of this policy.

(8) Supervision of higher degree by research students must follow one of the models specified below.

(9) Default model of supervision
(a) For an individual student the relevant postgraduate coordinator will appoint:
   (i) one research supervisor; and
   (ii) one auxiliary supervisor.

(b) The research supervisor will be the co-ordinating supervisor.

(10) Co-supervision model
(a) The relevant postgraduate coordinator will appoint two research supervisors to supervise an individual student, each of whom will have equal responsibility for the candidature.

(b) The relevant postgraduate coordinator will designate one research supervisor to be the co-ordinating supervisor. Where a student is being supervised by supervisors from different faculties, the co-ordinating supervisor will normally be from the faculty in which the student is enrolled.

(c) The academic workload for each supervisor will be determined by the associate dean of the supervisors’ faculties.
(11) **Supervisory panel model**

(a) The relevant postgraduate coordinator may decide that any individual candidature requires the appointment of a supervisory panel of more than two supervisors.

(b) Such panels will consist of a mix of research and auxiliary supervisors, according to the requirements of individual candidatures.

(c) The relevant postgraduate coordinator will nominate one research supervisor as co-ordinating supervisor. Where a student is being supervised by supervisors from different faculties, this will normally be a research supervisor from the faculty in which the student is enrolled.

(d) The academic workload for each supervisor will be determined by the associate dean of the supervisors’ faculties.

10 **Supervisor development**

(1) All academic staff with supervisory responsibilities must undertake development activities relating to the supervision of higher degree by research students. This may involve taking part in formal and informal opportunities for exchanging expertise on research supervision, research learning and research processes - whether at a department, faculty, or University-wide level.

(2) Academic staff new to supervision should undertake University staff development programs for research supervision.

(3) If a potential supervisor has already undertaken an equivalent course or has substantial suitable experience in supervising students to completion, the relevant associate dean may exempt them from taking the Educational Innovation course. However, it is strongly recommended that such staff participate in the Educational Innovation development course or other workshops to ensure familiarity with current supervisory practices and expectations.

11 **Supervisor eligibility**

(1) Subject to clause 10(2) above, to be eligible to be approved as a supervisor, a person will:

(a) be a member of the academic staff at Level B or above; or

(b) have a current affiliation with the University approved by the relevant faculty or school; and

(c) have participated in ongoing and appropriate development activities including but not limited to:

(i) the Foundations of Research Supervision course run by Educational Innovation; or

(ii) other relevant workshops and programs; or

(iii) demonstrated experience at supervising at another university; and

(d) be research active; and
Note: Standards for research activity are set by each faculty and are available through Career Path.

See also: Performance Planning and Development Policy 2012; Academic Planning and Development Guidelines.

(e) be qualified to undertake research supervision appropriate to the discipline by:
   (i) holding a qualification at AQF Level 10; or
   (ii) having equivalent professional or research experience.

Note: This may include a higher doctorate other than a PhD; a research Masters plus experience in research and research training supervision; or a significant publishing record in peer-reviewed journals. See TEQSA Higher Education Standards panel on technical amendments to Provider Course Accreditation Standards.

12 The Supervisor Register

(1) The HDR Administrative Centre will maintain a register of all individuals approved as supervisors for higher degree by research students.

(2) The register will distinguish between those people who are approved to act as:
   (a) research or auxiliary supervisors; and
   (b) auxiliary supervisors only.

(3) Academic staff at Level B or above who have completed the Foundations of Research Supervision course run by Educational Innovation will automatically be approved and registered as a research supervisor.

(4) Affiliates and academic staff below Level B who have completed the Foundations of Research Supervision course run by Educational Innovation will automatically be approved and registered as an auxiliary supervisor.

(5) Academic staff and affiliates who have not completed the Foundations of Research Supervision course run by Educational Innovation require approval for registration from the dean or associate dean of the relevant faculty.

(6) Routine deregistration
   (a) A person will be routinely removed from the Supervisor Register when that person:
      (i) is no longer actively affiliated with the University;
      (ii) no longer meets the supervision criteria as specified in clause 11 of this policy; or
      (iii) has not supervised an enrolled student for a period of three continuous years.

(7) Performance related deregistration
   (a) The relevant dean must request removal of an approved supervisor from the Supervisor Register when that person is identified in their academic performance and development review as failing to perform their duties to a satisfactory standard.

   Note: See Performance Planning and Development Policy 2012 and Academic Planning and Development Guidelines.
(b) The relevant dean must notify any person who is deregistered on this basis, in writing.
(c) The relevant dean, or academic advisor may recommend suitable development activities for such people.

(8) Misconduct related deregistration
(a) When a person is found to have committed research misconduct or other professional misconduct, the Provost, in consultation with the relevant delegate (or their designated nominee) responsible for managing the misconduct proceedings and the dean of the relevant faculty, may request removal of the person from the Supervisor Register.
(b) The Provost must notify any person who is deregistered on this basis, in writing.

Note: See: Research Code of Conduct 2013

(9) Appeals against deregistration
(a) A person may appeal against routine deregistration to the HDR Administrative Centre.
(b) A person may appeal against performance related deregistration to the relevant dean.

(10) Reactivating registration
(a) The relevant associate dean may request the re-registration of supervisors who have been previously deregistered.

(11) Reporting
(a) The HDR Administrative Centre will report annually to the Graduate Studies Committee of the Academic Board on issues relating to the Supervisor Register.
(b) Reports must include a summary of actions taken and any recommendations relating to operation of the Supervisor Register.

13 Supervisor workload
(1) A research supervisor will not normally supervise more than 5 full-time equivalent postgraduate research students at one time, or pro rata for a supervisor employed on a fractional basis.
(2) A research supervisor may only exceed the normal load with approval from the relevant associate dean, which may only be provided after consideration of a recommendation, including reasons, from the relevant head of school or postgraduate coordinator.
(3) The relevant associate dean must report all such approvals to the HDR Administrative Centre as soon as possible after they are given.
(4) The associate dean may assign a student to an auxiliary supervisor if the associate dean is satisfied that the auxiliary supervisor can provide the necessary skills and expertise, without compromising their existing students’ candidatures. Academic workload should also be taken into consideration.

Note: See the Enterprise Agreement 2018-2021, Section G.
14 Responsibilities of supervisors

(1) Unless otherwise specified, the responsibilities described in this clause apply equally to each supervisor of a student.

(2) Where the supervisory team contains more than one research supervisor, each research supervisor must fulfil all of the responsibilities of research supervisors described in this clause.

(3) Supervisors must maintain a professional relationship with their students, other supervisors and other University staff. Sexual or romantic relationships between a student and their supervisor(s) are never appropriate and such relationships constitute a conflict of interest that can only be managed by a change in supervisor.

(4) The supervisor’s primary role is to provide academic support and guidance throughout a candidature with the objective of enabling the student to achieve a high standard of research activity and output.

(5) In agreeing to registration on the Supervisor Register, the supervisor accepts the responsibilities set out in this clause.

(6) Selection of student and or project

(a) The research supervisor will consider a prospective student’s relevant research background, interests and abilities to complete a proposed research project, and decide whether the proposed topic is manageable. If the supervisor is not confident at the application stage that the research proposal is likely to be manageable and consistent with the aims of the doctoral degree, they must raise their concerns with the postgraduate coordinator.

(b) The supervisor will ensure that they have the ability, capacity and related research interest in the project to carry out the supervision. If a supervisor has any doubts about their capacity to supervise a student for any reason, they must raise their concerns with the postgraduate coordinator.

(7) Conflicts of interest

(a) Where the supervisor becomes aware of an actual, potential or perceived conflict of interests in relation to a particular project or student, the supervisor must immediately declare the conflict of interests in accordance with the External Interests Policy 2010.

(b) The postgraduate coordinator may vary the supervisory arrangements as a result of a conflict of interests declaration.

(8) At the commencement of the candidature

(a) The research supervisor will:

(i) notify the student about orientation and induction events run by the University, faculty or school;

(ii) ensure that the student participates in induction programs and workshops as directed by the faculty or school;

(iii) ensure that the student participates in programs and workshops in accordance with University, faculty or school work health and safety requirements.

(b) The research supervisor must be aware of the qualities that the University expects its graduates to have and, in consultation with the student, prepare a plan for future skill acquisition as the student proceeds through their degree program.
Note: See Learning and Teaching Policy 2015 and Progress Planning and Review for Higher Degree by Research Students Policy 2015

(c) The research supervisor is responsible for identifying, with the student, the most appropriate data-gathering and analysing techniques.

(d) All supervisors must familiarise themselves with the Essential Resources for Higher Degree by Research Students Policy 2016, and use it to inform their discussions with the student and the school about the resources that may be available to support each particular candidature.

(e) The research supervisor is responsible for ensuring that the facilities which are identified as necessary for the project to succeed are available.

(f) If the research supervisor is not confident that the required facilities are or will be available they must raise this with the postgraduate coordinator or faculty.

(g) The research supervisor may be expected to help their student develop a research budget, and advise them on how to acquire information about relevant research funding schemes.

(9) During the candidature: supervisory teams and relationships

(a) The composition of a supervisory team will depend on faculty arrangements, the interdisciplinary nature of the research project, or other criteria as determined by the faculty, project, and as appropriate to the project, the candidate and the degree.

Note: See clause 9 of this policy for models for supervisory teams.

(b) The postgraduate coordinator must approve all supervisory arrangements.

(c) Members of a supervisory team should clarify the responsibilities of each person in the team, and coordinate advice and guidance appropriately. The research supervisor, or where there is more than one research supervisor, the co-ordinating supervisor, is responsible for advising the student of these arrangements.

(d) All supervisors must:
   (i) build and maintain supervisory relationships with their students;
   (ii) clarify with their students what is expected of each other within this relationship;
   (iii) establish agreed methods of working with their students; and
   (iv) fulfil their side of any agreement.

(e) The research supervisor should be available to meet with their student at least once per fortnight during the probationary period.

(f) After the completion of the probationary period, the research supervisor and their student are jointly responsible for negotiating ongoing and appropriate contact arrangements. This may include face to face or electronic forms of communication.

(g) Supervisory arrangements should be adapted according to the nature of the candidature (full-time or part-time) and make due allowance for approved absences by the student.

(h) If it is not possible for the supervisor and student to meet regularly, then the postgraduate coordinator should be consulted by either the student or the supervisor regarding appropriate alternative arrangements.
(i) The auxiliary supervisor should negotiate ongoing and appropriate contact arrangements with their student.

(j) Where a change in research direction occurs, appropriate supervisory arrangements should be negotiated by the student, supervisor, and postgraduate coordinator as required. Changes in supervision as a result of these negotiations must be approved by the postgraduate coordinator.

(10) **During the candidature: administrative requirements**

(a) The research supervisor must identify applicable degree and other administrative requirements and advise the student as necessary, although the student is responsible for ensuring that these requirements are met. This includes but is not limited to planned leave or time away, re-enrolment, and progress reviews.

(b) Where there are two supervisors with equal responsibility for the candidature, the co-ordinating supervisor is responsible for ensuring that all administrative requirements are met. This includes but is not limited to re-enrolment advice, progress review reporting, and leave arrangements.

(11) **During the candidature: absence of supervisor**

(a) Supervision must be provided for the duration of a candidature. It is not acceptable for a student to have their candidature disrupted by supervisor absence.

(b) The research supervisor who is intending an absence of one month or more must ensure that the postgraduate coordinator is informed so that appropriate alternative supervisory arrangements should be put in place.

(c) Alternate supervisory arrangements may comprise remote supervision (e.g. email, phone, video link), or increased direct supervision from another member of the supervisory team (e.g. the auxiliary supervisor).

(d) If the supervisor appointed to cover a research supervisor’s absence has not previously been involved in the supervision of the student, it is the responsibility of the current research supervisor to inform the acting supervisor about the progress of the candidature.

(e) Where an absence is foreseeable, the supervisor must notify the postgraduate coordinator, the student and any other supervisor at least one month before the intended departure date so that appropriate supervisory arrangements can be put in place.

(f) If the supervisor is leaving the University, the postgraduate coordinator must notify the student as soon as is practical. In that event:

   (i) the departing supervisor must discuss ongoing supervisory arrangements with the student and the postgraduate coordinator; and

   (ii) the postgraduate coordinator may vary the supervision arrangements, including appointing a new research supervisor, as required.

(12) **During the candidature: managing progress**

(a) The research supervisor should ensure that the student works within a planned framework which marks out the milestones expected to be completed at various stages.

(b) Planning and time management should begin at an early stage and the research supervisor must encourage the student to make productive use of their time.
(c) Where the supervisory team consists of a research supervisor and an external auxiliary supervisor, the research supervisor must ensure that the direction of the work is entirely under the control of the University and the student.

(d) The research supervisor is responsible for reaching agreement with the student about:

(i) indicators of progress being made; and
(ii) submission of appropriate written work, interim reports or research results.

(e) The supervisor must return written work to the student, with constructive feedback, in a timely fashion. Unless other time frames are agreed between the supervisor and the student:

(i) written work up to the equivalent in length to a chapter must be returned within one month; and
(ii) written work up to the equivalent in length to two chapters must be returned within two months.

(f) The research supervisor must provide feedback on progress to the student and make progress reports to the faculty and any scholarship authority.

(g) The research supervisor must monitor progress within the context of the overall research plan, ensuring that sufficient time is left for writing up the thesis and, if necessary, that the scope of the project is reduced to meet the time available.

(h) The research supervisor must inform the student about inadequate progress or standards of work that are below that generally expected, identify problems and suggest ways of addressing them.

(i) The research supervisor should work with the student to ensure that, by the end of the probationary period, the student's research topic and aims are clearly defined.

(j) At the end of the probationary period, the research supervisor must determine whether the student is able to identify, access, organise and communicate knowledge in both written and oral English to a standard generally acceptable to the discipline. If necessary, the supervisor will direct the student to relevant courses available at the University.

Note: See Learning and Teaching Policy 2015 and Progress Planning and Review for Higher Degree by Research Students Policy 2015

(k) The research supervisor must advise the student in writing when progress is unsatisfactory and identify improvements which are necessary for continuation of the candidature.

Note: See University of Sydney (Higher Degree by Research) Rule 2011 and Progress Planning and Review for Higher Degree by Research Students Policy 2015 for further requirements relating to progress and progress reviews.

(13) During the candidature: duty of care

(a) The research supervisor must be aware of, and inform the student about, the range of support services which exist to help them while they are studying at the University, including University Health Services, Counselling and Psychological Services, other student support services, and SUPRA.

Note: see Student Support services website for a list of available services http://sydney.edu.au/current_students/student_services/index.shtml
Note: Students can seek professional advice through the University Health Service (http://sydney.edu.au/health-service/services/index.php) and the Counselling and Psychological services (http://sydney.edu.au/current_students/counselling).

(b) Supervisors must recognise and respond to varying student circumstances such as illness or personal issues which may arise and be able to establish processes to manage these issues.

(c) The research supervisor must encourage a student with health concerns to seek professional assistance and must be prepared to discuss the various candidature options available, such as sick leave, approved leave of absence or a move to part-time study.

(d) The research supervisor must ensure that the postgraduate coordinator and the dean are informed in writing if concerns regarding the candidature arise.

(e) The research supervisor must be aware of the particular challenges that may be faced by an international student and be sensitive to the social, academic and intellectual transition issues that an international student moving to Australia for the first time may experience.

(f) The supervisor should be aware of the services available to an international student, particularly in relation to the provisions of the ESOS National Code, and refer the student to appropriate sources of information as required.

Note: Information relevant to the support of international students is available from the International Services, international student advisors and SUPRA.

(14) The research community

(a) The research supervisor must arrange for the student to participate in the work of the school, including attendance and presentation at school seminars.

(b) The supervisor must encourage the student to extend their contacts within the academic community e.g. in the school, faculty, University and external to the University. This may include academic staff, postgraduate fellows, and other higher degree by research students.

(c) The supervisor must encourage the student to take the opportunity to discuss their research with other staff and students in the relevant subject area and to communicate their research findings to others in the wider academic community.

(15) Thesis content, writing and submission

(a) The research supervisor must give appropriate and timely advice on the requirements regarding content, style, presentation and production of theses.

(b) As far as possible, the research supervisor should ensure that the work submitted is the student's own and that data are valid.

(c) When required by the course resolutions of the degree, the research supervisor will:

(i) consider the suitability and availability of potential examiners; and

(ii) make recommendations to the postgraduate coordinator regarding potential examiners

in good time before the thesis is submitted.
(d) The coordinating supervisor is responsible for certifying that a thesis is in a form suitable for examination at the time of submission.

(16) **Compliance requirements**

(a) The research supervisor must ensure that students are aware of, and abide by, all applicable laws, University policies and procedures, including those applicable to research integrity.

Note: All current University policies and procedures are available from the Policy Register.

(b) The research supervisor must advise the student of the requirement to obtain ethics approval for studies on animal and human subjects (including the use of questionnaires) prior to undertaking research to which such requirements may apply.

(c) As chief investigators on student ethics applications, the research supervisor is responsible for submission of the application, including review of content and accuracy.

Note: Ethics approval cannot be provided retrospectively.

(d) The research supervisor must advise the student about academic honesty, and in particular the avoidance of plagiarism.

(e) The research supervisor must ensure that the student is aware of their rights with respect to intellectual property and encourage, where appropriate, the exploitation of such intellectual property through the University. The student may be encouraged to seek independent advice regarding their intellectual property.


(f) The research supervisor must reach agreement with the student concerning authorship of publications and acknowledgement of contributions during and after the candidature. It is recommended that, wherever necessary, the agreement be re-evaluated just prior to publication in case of any significant shifts to workload allocations and intellectual input since the agreement was initially made.

Note: See Research Code of Conduct 2013.

(g) There should be open and mutual recognition of the student’s and the supervisor’s contributions on all published works arising from the project.

(h) A research supervisor must ensure that student is aware of all applicable requirements for retention of data, and requirements for members of staff to complete a statement of authorship for each paper submitted for publication.

(i) The supervisor must ensure that safe working practices are developed and maintained at all times. This includes:

   (i) ensuring that the student is aware of the University’s work and health safety requirements; and
   
   (ii) recommending that the student participates in appropriate work health and safety training.

Note: See Work Health and Safety Policy 2016.

(j) Supervisors must be aware of, and abide by, their obligations under the Autonomous Sanctions Act 2011 (Cth).
(k) The research supervisor is responsible for ensuring that the student is aware that a copy of their thesis will be lodged with the University Librarian, and should guide the writing of the thesis to ensure that they fulfil the necessary requirements.

Note: See University of Sydney (Higher Degree by Research Rule) 2011.

15 Responsibilities of students

(1) It is the responsibility of students to maintain a professional relationship at all times with supervisors and other University staff. Sexual or romantic relationships between a student and their supervisor(s) are never appropriate.

(2) At the commencement of the candidature

(a) Students must play an informed part in the process of the selection and appointment of supervisors.

Note: See University of Sydney (Higher Degree by Research) Rule 2011

(b) Students must ensure that they are correctly enrolled according to faculty and University requirements prior to commencing their degree program and throughout their candidature.

(c) Students must comply with the requirements of any scholarship, external funding, sponsorship or other monetary provisions.

(d) Students should take part in University or faculty or school orientation programs, and must take part in induction programs and workshops if directed by the supervisor, faculty or school. This may include attendance at workshops on safety and health procedures.

Note: See also Essential Resources for Higher Degree by Research Students Policy 2016

(e) Students should familiarise themselves with the qualities and skills the University expects its graduates to have and must, with the assistance of their supervisors, prepare a plan for future skill acquisition as they proceed through their degree program. This will include developing a progress plan at the beginning of, and during, their candidature, to identify specific areas in which development is required.

Note: See Learning and Teaching Policy 2015 and Progress Planning and Review for Higher Degree by Research Students Policy 2015

(f) Students must undertake any coursework or other activities required by the University.

(g) Students must familiarise themselves with the Essential Resources for Higher Degree by Research Students Policy 2016, to inform their discussions with their supervisors, school, faculty and the University about the resources that may be available to support their candidature.

(h) Students may be expected to develop a research budget in consultation with their supervisors, and to seek information about relevant research funding schemes.
(3) **During the candidature**

(a) Students are responsible for meeting the administrative requirements of their candidature. This includes but is not limited to planned leave, time away and re-enrolment.

(b) Students must ensure that all administrative requirements of the faculty and the University, such as re-enrolment and progress reviews are met.

(c) Students must notify and negotiate any planned leave, time away or change in enrolment status with their supervisors, and follow appropriate faculty or University approval processes.

(d) Students should make every effort to build and maintain satisfactory supervisory relationships. This includes:
   (i) establishing with their supervisors agreed methods of working;
   (ii) fulfilling their side of any agreement; and
   (iii) meeting regularly with their supervisors. In the probationary period of their candidature this should be at least fortnightly. As the candidature progresses different contact arrangements may be negotiated as appropriate.

(e) Students must devote sufficient time to their research. Full time candidature requires at least the same time commitment as would full time professional employment in Australia.

(f) Students should plan and execute the project within the time limits defined, taking into account the nature of the program (full time or part-time) and the milestones agreed with supervisors.

(g) Students are expected to attend as agreed for consultation and provide evidence of progress made.

(4) **The research community**

(a) Students should be aware of opportunities for meeting other researchers in the field and attend internal and external seminars, meetings and conferences.

(b) Students should participate in the opportunities offered by the school to be part of that intellectual community. This includes taking part in activities of the faculty or school such as presentation of research at University seminars and conferences.

(5) **Compliance requirements**

(a) Students must be aware of, and abide by, all applicable laws, University policies and procedures including those applicable to research integrity.

   **Note:** All current University policies and procedures are available from the Policy Register.

(b) Students must familiarise themselves with the resolutions governing the degree course in which they are enrolled.

(c) Students must consult their supervisors about applications for ethics approval where their project involves the study of animal or human subjects (including the use of questionnaires).

(d) Ethics approval must be applied for prior to the commencement of the project and cannot be provided retrospectively.
(e) Students must ensure that they avoid all forms of academic dishonesty, including plagiarism.

(f) Students must familiarise themselves with the requirements of the Research Code of Conduct 2013.
   
   (i) If students are concerned about possible research misconduct, they should seek advice from their supervisors.
   
   (ii) If a student does not feel comfortable doing this, or if the supervisor is involved in the issue of concern, the student should approach the postgraduate co-ordinator or associate dean for the faculty.

(g) Students should read the Intellectual Property Policy 2016 and explore with their supervisor and the University the possible exploitation of any invention or other intellectual property arising from their research.

(h) Students must at all times adopt safe working practices relevant to the field of research and comply with the University’s work health and requirements.

(i) Students must attend any workshops on safety and health procedures required by the faculty or school in which the student is undertaking research.

Note: See Work Health and Safety Policy 2016

(6) Grievances

(a) Students are encouraged to take the initiative in raising problems or difficulties and seeking solutions to them as soon as possible. Problems may be raised during the progress review process or at any other time.

(b) Students are encouraged to inform supervisors or postgraduate co-ordinators about difficulties being experienced as soon as possible.

(c) In the first instance, locally negotiated solutions should be sought before recourse to formal processes.

(d) Students must be aware of, and implement as required, the University’s grievance resolution policies and procedures, including:
   
   (i) Research Code of Conduct 2013;
   
   (ii) Bullying, Harassment and Discrimination Prevention Policy 2015;
   
   (iii) Reporting Wrongdoing Policy 2012;
   
   (iv) Resolution of Complaints Policy 2015;
   
   (v) Student Sexual Assault and Sexual Harassment Policy 2018

(e) Students are encouraged to familiarise themselves with the mechanisms available for helping with supervisor-student difficulties and to take advantage of them if necessary.

(f) Students may seek independent advice or representation, including from the Sydney University Postgraduate Representative Association (SUPRA).
16 Responsibilities of schools

(1) School responsibilities for higher degree by research students will be discharged by the postgraduate coordinators.

(2) Schools are responsible for:

(a) determining appropriate supervisory arrangements for each student based on skills, experience, workload, projected availability and other requirements appropriate to the candidate, degree and research project;

(b) varying supervisory arrangements as required;

(c) requiring, when necessary, all supervisors to participate in University supervision development courses and workshops;

(d) explaining their respective roles to all members of a supervisory team;

(e) making recommendations to the associate dean for approval of proposed increases in the supervisory workload of research supervisors;

   (i) A normal supervisory workload is the equivalent of supervising five full time higher degree by research students.

   (ii) The associate dean is responsible for approving all such arrangements.

(f) determining appropriate alternative supervision arrangements if a research supervisor is absent for one month or more, and is unable to adequately supervise their students remotely;

(g) notifying all affected students as soon as practical if a supervisor is leaving the University and discussing ongoing supervisory arrangements with both the student and the departing supervisor;

(h) clearly defining the duties and responsibilities of postgraduate co-ordinators providing adequate resources to assist in the performance of those duties and properly recognising the workload these duties entail;

(i) determining coursework or alternative development activities required by individual students, after consultation with the relevant research supervisors and consideration of the applicable progress plan;

(j) ensuring that review procedures, including progress reviews, are carried out in accordance with University policies and procedures;

(k) ensuring that necessary approvals for conditions of candidatures are obtained from the faculty, and that scholarship reporting requirements are met;

(l) determining, in consultation with the research supervisors, the facilities likely to be required for any particular candidature, and ascertaining their availability;

(m) advising applicants and students about the availability of facilities, including access to physical space and other resources, and the financial support that is likely to be available to them;

(n) reporting to the associate dean if the required facilities are not available;

(o) encouraging interaction and the development of beneficial intellectual relationships amongst students and staff and encouraging students to participate in appropriate departmental or faculty activities;

(p) providing students with the names of individuals to whom they can turn to for advice;
(q) the proper and expeditious conduct of the examination process, including the timely selection of appropriate examiners in accordance with University policies and procedures; and

(r) informing students and supervisors of the University’s policies and procedures with respect to ethics, intellectual property, academic dishonesty and plagiarism, research integrity, and grievance procedures.

17 Responsibilities of faculties

(1) Faculty responsibilities for higher degree by research students will be discharged by the relevant associate dean.

(2) Faculties are responsible for:

(a) ensuring that applicants for admission to candidature meet the minimum requirements for admission to the relevant degree and the proposed course of study;

(b) ensuring that all supervisors in their faculty are included in the Supervisor Register;

(c) establishing and explaining appropriate review mechanisms, including the progress reviews, within departments;

(d) explaining students’ rights and obligations;

(e) providing necessary resources in accordance with the Essential Resources for Higher Degree by Research Students Policy 2016, and discussing the availability of necessary resources, appropriate to the candidature, with students and their supervisors as required;

(f) monitoring students during their candidature through reports from departments, and intervening where necessary;

(g) providing students with the names of individuals to whom they can turn to for advice;

(h) ensuring that examiners recommended are appropriately qualified and that the examination process maintains the standards required for the degree concerned; and

(i) lodging of an awarded thesis to the University Library. This is to ensure that the Library receives the properly awarded thesis and an assurance that all compliance requirements under the University of Sydney (Higher Degree by Research Rule) 2011 have been met.

18 Responsibilities of the University

(1) The University will ensure that higher degree by research students are provided with an acceptable level of access to physical space and other facilities, including library facilities, and that schools are required to advise applicants about the facilities that are available.

(2) The University is responsible for maintaining the Supervisor Register and providing:

(a) support services in areas such as learning assistance;

(b) development activities for supervisors of postgraduate students;
(c) effective reporting and review mechanisms throughout the candidature;
(d) procedures which allow students to seek assistance in the resolving difficulties; and
(e) appropriate appeal mechanisms.

19 Rescissions

This policy replaces the Code of Practice for Supervision of Postgraduate Research Students, the Postgraduate Research Higher Degree Training Supervision at the University of Sydney Policy, and the Probationary candidature and English expression policy, all of which are rescinded as from the effective date of this policy.

NOTES

Supervision of Higher Degree by Research Students Policy 2012

Date adopted: 22 February 2013
Date commenced: 22 February 2013
Date amended: 2 December 2015, commencing 1 January 2016
17 August 2016 (administrative amendments)
30 August 2016 (administrative amendments)
1 May 2017, commencing 23 May 2017
5 June 2017 (administrative amendments)
28 November 2017, commencing 1 January 2018
16 November 2018 (administrative amendments only)

Administrator: Director, Graduate Research
Review date: 20 February 2018
Related documents:

- Autonomous Sanctions Act 2011 (Cth)
- Education Services for Overseas Students (ESOS) Act 2000 (Cth)
- University of Sydney (Higher Degree by Research) Rule 2011
- Intellectual Property Policy 2016
- Learning and Teaching Policy 2015
- Academic Planning and Development Guidelines
- Code of Conduct for Students
- Research Code of Conduct 2013
- Code of Conduct - Staff and Affiliates
AMENDMENT HISTORY

<table>
<thead>
<tr>
<th>Provision</th>
<th>Amendment</th>
<th>Commencing</th>
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<tbody>
<tr>
<td>Various clauses</td>
<td>Amendments throughout the policy to align it with the new Progress Planning and Review for HDR Students Policy, recognise the change in administrative processes from the Graduate Studies Office to the HDR Administration Centre, and to reflect agreed amendments to the processes associated with the Supervisor Register.</td>
<td>1 January 2016</td>
</tr>
<tr>
<td>Various</td>
<td>Updated references and hyperlinks to other documents</td>
<td>1 January 2016</td>
</tr>
<tr>
<td>Various</td>
<td>Updated references and hyperlinks to other documents</td>
<td>17 August 2016</td>
</tr>
<tr>
<td>Various</td>
<td>Updated references to ITL and hyperlinks to other documents</td>
<td>30 August 2016</td>
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<tr>
<td>4</td>
<td>Statement of intent updated to reflect health, safety and well being</td>
<td>23 May 2017</td>
</tr>
<tr>
<td>6(1)</td>
<td>Definitions updated to reflect organisational design</td>
<td>23 May 2017</td>
</tr>
<tr>
<td>12(5)</td>
<td>Changed responsibility for approving entry onto supervisor register</td>
<td>23 May 2017</td>
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<tr>
<td>Notes</td>
<td>Change of Administrator</td>
<td>23 May 2017</td>
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<tr>
<td>6</td>
<td>Updated references to University of Sydney (Delegations of Authority – Academic Functions) Rule 2016 and University of Sydney (Delegations of Authority – Administrative Functions) Rule 2016</td>
<td>5 June 2017</td>
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<tr>
<td>11(1)</td>
<td>Administrative amendment: Insertion of reference to clause 10(2)</td>
<td>5 June 2017</td>
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<tr>
<td>8(3); 9(2) – (3); 9(7)(a)(ii); 9(9)(a);</td>
<td>Consequential amendments arising from University of Sydney (Delegations of Authority – Academic Functions) Rule 2016</td>
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<td>9(11)(d);</td>
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<td>14(8)(b);</td>
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<td>14(16)(f);</td>
<td>Amending clause to align terminology with previous clauses</td>
<td>1 January 2018</td>
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<td>14(110)(b)</td>
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<td>14(16)(i)(ii);</td>
<td>Correct date of Work Health and Safety Policy 2016</td>
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<td>15(5)(i)</td>
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<td>Amended definitions of ‘candidature’ and ‘student’</td>
<td>16 November 2018</td>
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<td>6</td>
<td>Inserted hyperlink to University of Sydney (Higher Degree by Research) Rule in definition of ‘Master’s by Research’</td>
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<td>7(3)(b)note; 15(6)(d); Notes</td>
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<td>12(8)(b) note; 13(4) note</td>
<td>Updated reference and hyperlink to Enterprise Agreement 2018-2021</td>
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<td>13(f) note</td>
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<tr>
<td>14(8)(b) note; 14(12)(j) note; 14(12)(k) note; 15(2)(e) note</td>
<td>Included reference to Progress Planning and Review for Higher Degree by Research Students Policy 2015</td>
<td>16 November 2018</td>
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<td>14(13(f)</td>
<td>Replaced ‘International Office’ with ‘International Services’</td>
<td>16 November 2018</td>
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<td>16(j)</td>
<td>Moved hyperlink to text and deleted note</td>
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<tr>
<td>15(2)(e); 16(2)(1)</td>
<td>Replaced ‘research training analysis’ with ‘progress plan’</td>
<td>16 November 2018</td>
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