The University of Sydney

Graduate Studies Committee

Committee Secretary: Keri Neveldsen
Secretariat, Quadrangle, A14
Phone: 9351 3305; Fax: 9351 3572
E-mail: K.Neveldsen@secretariat.usyd.edu.au

Memorandum to: Members of the Graduate Studies Committee

The agenda for the meeting of the Graduate Studies Committee scheduled to be held at **2.00 pm** on Monday **20 August 2001** in the **Western Tower Room** is set out below.

Keri Neveldsen
Secretary to the Committee

13 August 2001

AGENDA

Pages

1. Minutes of the previous meeting

1.1 Minutes of the Graduate Studies Committee meeting held on 16 July 2001 ***(pages 6-12)***

Recommendation
That the Committee adopt the minutes of the previous meeting held on 16 July 2001 as a true record.

2. Business arising out of the minutes (not dealt with elsewhere in the agenda)

3. Report of the Chair ***(pages 13-15)***

3.1 Membership of the Committee

3.1.1 Membership of the Committee ***(page 13)***

Recommendation
That the Committee note the resignation of Professor J Sigafoos and welcome Dr R Walker as the representative of the Faculty of Education, as set out in the report presented.

3.2 Higher doctorates

3.2.1 Award of Degree ***(pages 13, 14-15)***

Recommendation
That the Committee note and confirm the Chair's action in approving the award of the degree of Doctor of Science, as set out in the report presented.

3.3 Working Party on Clinical Psychology

3.3.1 Doctor of Clinical Psychology/Master of Science and Doctor of Clinical Psychology/Doctor of Philosophy ***(pages 13, 16-23)***

Recommendation
That the Committee receive and note the report relating to the Working Party to consider the proposal for the introduction of the Doctor of Clinical Psychology/Master of Science and Doctor of Clinical Psychology/Doctor of Philosophy, as set out in the report presented.

3.4 Oral report

Recommendation
That the Committee note the report of the Chair.

4. Report of the PhD Award Sub-Committee

4.1 Report of the PhD Award Sub-Committee meeting held on 7 August 2001 ***(pages 24-27)***

4.1.1 Receipt of report ***(pages 24-27)***

Recommendation
That the Committee receive and note the report of the PhD Award Sub-Committee meeting held on 7 August, as set out in the report presented.

4.1.2 Second Quarter Report 2001 ***(pages 24, 25-27)***

Recommendation
That the Committee note the second quarter report of 2001 of the PhD Award Sub-Committee, as set out in the report presented.

4.1.3 Proceedings of the Sub-Committee ***(page 24)***

Recommendation
That the Committee note the proceedings of the PhD Award Sub-Committee meeting held on 7 August 2001, as set out in the report presented.

5. Report of the Coursework Sub-Committee

5.1 Report of the Coursework Sub-Committee meeting held on 6 August 2001 ***(pages 28-40)***

5.1.1 Receipt of report ***(pages 28-40)***

Recommendation
That the Committee receive and note the report of the Coursework Sub-Committee meeting held on 6 August 2001, as set out in the report presented.

5.1.2 Proposals for new and amended postgraduate courses

(1) Faculty of Engineering: Master of Automation in Field Robotics and Graduate Diploma in Automation in Field Robotics ***(pages 28-29, 34-36)***

Recommendation
That the Committee recommend through the Academic Board that Senate approve:

(1) the proposal from the Faculty of Engineering for the introduction in 2002 of the new courses, Master of

Automation in Field Robotics and Graduate Diploma in Automation in Field Robotics;

(2) the amendment of the Resolutions of the Senate relating to the Degrees, Diplomas and Certificates in the Faculty of Engineering, with effect from 1 January 2002, as set out in the report presented; and

(3) the adoption of the Resolutions of the Senate relating to the above courses, with effect from 1 January 2002, as set out in the report presented.

(2) Faculty of Science: Master of Environmental Science and Law

(pages 29, 37-38)

Recommendation

That, subject to clarification of administration of the degree, the Committee recommend through the Academic Board that Senate approve:

(1) the proposal from the Faculty of Science for the introduction in 2002 of the new course, Master of Environmental Science and Law;

(2) the amendment of the Resolutions of the Senate relating to the Degrees, Graduate Diplomas and Graduate Certificates in the Faculty of Science, with effect from 1 January 2002, as set out in the report presented; and

(3) the adoption of the Resolutions of the Senate relating to the above course, with effect from 1 January 2002, as set out in the report presented.

(3) Faculty of Health Sciences:
Master of Health Science (Sports Physiotherapy) and
Master of Health Science (Manipulative Physiotherapy)

(pages 29-30, 39-40)

Recommendation

That the Committee recommend through the Academic Board that Senate approve:

(1) the proposal from the Faculty of Health Sciences for the introduction in 2002 of the new combined course, Master of Health Science (Sports Physiotherapy) and Master of Health Science (Manipulative Physiotherapy);

(2) the amendment of the Resolutions of the Senate relating to the Degrees, Diplomas and Certificates in the Faculty of Health Sciences, with effect from 1 January 2002, as set out in the report presented; and

(3) the adoption of the Resolutions of the Senate relating to the above courses, with effect from 1 January 2002, as set out in the report presented.

(4) Faculty of Health Sciences:
Master of Health Science (Developmental Disability) and Graduate Certificate of Health Science (Developmental Disability) ***(pages 30-31, 39-40)***

Recommendation
That the Committee recommend through the Academic Board that Senate approve:

(1) the proposal from the Faculty of Health Sciences for the introduction in 2002 of the new courses, Master of Health Science (Developmental Disability) and Graduate Certificate of Health Science (Developmental Disability);

(2) the amendment of the Resolutions of the Senate relating to the Degrees, Diplomas and Certificates in the Faculty of Health Sciences, with effect from 1 January 2002, as set out in the report presented; and

(3) the adoption of the Resolutions of the Senate relating to the above courses, with effect from 1 January 2002, as set out in the report presented.

(5) Faculty of Health Sciences: Master of Applied Science ***(pages 31, 39-40)***

Recommendation
That the Committee recommend through the Academic Board that Senate approve the amendment of the Resolutions of the Senate relating to the master's degrees in the Faculty of Health Sciences, with effect from 1 January 2002, as set out in the report presented.

(6) Faculty of Health Sciences:
Master of Health Science (Indigenous Community Health), Graduate Diploma of Health Science (Indigenous Community Health) and Graduate Certificate of Health Science (Indigenous Community Health) ***(page 32)***

Recommendation
That the Committee recommend through the Academic Board that Senate approve:

(1) the change in the duration of Master of Health Science (Indigenous Community Health), Graduate Diploma of Health Science (Indigenous Community Health) and Graduate Certificate of Health Science (Indigenous Community Health); and

(2) the adoption of professional streams in the Master of Health Science (Indigenous Community Health) and Graduate Diploma of Health Science (Indigenous Community Health), with effect from 1 January 2002, as set out in the report presented.

(7) Faculty of Health Sciences:
Graduate Certificate of Health Science (Casemix) ***(pages 32-33)***

Recommendation
That the Committee recommend to the Academic Board that the Board approve the additional mode of delivery for the Graduate Certificate of Health Science (Casemix), with effect from 1 January 2002, as set out in the report presented.

5.1.2 Proceedings of the Sub-Committee *(page 33)*

Recommendation
That the Committee note the proceedings of the Coursework Sub-Committee meeting held on 6 August 2001, as set out in the report presented.

6. General business

7. Next Meeting

Recommendation
That the Committee note that the next meeting would be on Monday 17 September 2001.

AGENDA ITEM 1
Minutes of the previous meeting

1.1 Minutes of the Graduate Studies Committee meeting held on 16 July 2001

There were present: the Chair, Associate Professor R T Ross, presiding, Drs B Adamson and E Baily, Mr Kristin Barlow, Dr M Boughton, Professors A Brewer, M Crossley and L D Field, Dr J Finkelstein, Associate Professors A F Masters, P McCallum and F Nicholas, Associate Professors M Prosser, D Rothwell and J Small.

In attendance: Ms P Radford, Ms L Bergmann.

Apologies were received from: Professor C Adam, Associate Professor J Christodolou, Professors J Gero, D Kemp, D Siddle and J Sigafoos.

1. Minutes of the previous meeting

1.1 Minutes of the Graduate Studies Committee meeting held on 18 June 2001

Resolution 93/01
That the Committee adopt the minutes of the previous meeting held on18 June 2001 as a true record.

2. Report of the previous meeting to the Academic Board

2.1 Report of the Graduate Studies Committee meeting held on 18 June 2001

Resolution 94/01
That the Committee note that the Report of the meeting held on 18 June 2001 will be presented to the Academic Board meeting to be held on 15 August 2001.

3. Business arising out of the minutes (not dealt with elsewhere in the agenda)
There was no business arising out of the minutes.

4. Report of the Chair

4.1 Review of the Academic Board and Academic Forum

The Committee discussed the Chair's proposal to recommend to the Review of the Academic Board and Academic Forum that the composition of the Graduate Studies Committee be amended to convert Faculty-Based appointments to College-based appointments. The Chair's concern was to ensure a more equitable distribution of the workload across all facets of the Graduate Studies Committee's terms of reference. The proposal was not supported as members were of the view that Committee information would not be disseminated to Faculties as effectively as by the current composition.

There was support for the Chair's proposal to amend the membership of the Graduate Studies Committee to provide for greater consistency in the way representatives of the Teaching and Learning Committee and the Research Committee are determined.

Resolution 95/01
That the Committee endorse the following amendment to the membership of the Committee:

~~(e) a member~~ the Chair (or the chair's nominee) of the Teaching and Learning Committee;

(f) the Chair (or the chair's nominee) of the Research Committee;

4.2 Higher doctorates

4.2.1 Deferment of Public Availability of Theses

The Chair reported that he had approved four requests from the Faculty of Science for permission to delay the lodgement in Fisher Library of a PhD thesis, noting that he had approved two requests unconditionally, one for 6 months and one for 18 months delay, and for two requests for 36 months delay, had approved a shorter period of 18 months, but only after extensive communication with the candidate and/or their Department.

During discussion it was pointed out that some APAI Awards involved negotiation with industry sponsors with respect to agreement on methods by which intellectual property could be dealt with. Such agreements would have proceeded through the BLO and so the University may have agreed to a four year embargo on the thesis. It was therefore suggested that it may be appropriate to have in place a process whereby such agreements could be brought to the Chair of the Committee for comment. The Chair noted that his consultations had included whether there were any such pre-commencement agreements.

Resolution 96/01

That the Committee note and confirm the Chair's action in deferring the release of parts or the whole of the four PhD theses from the Faculty of Science.

4.3 Resignation of Professor David Siddle

The Chair reported that Professor Siddle had resigned from the University, effective from August. He placed on the record his sincere appreciation of Professor Siddle's professionalism and collegiality during his tenure as Pro-Vice-Chancellor (Research) and made particular mention of his positive impact on the quality of the research environment of postgraduate research students at this University.

The Committee unanimously endorsed a vote of confidence in Professor Siddle's tenure as Pro-Vice-Chancellor (Research) and resolved that these sentiments should be conveyed to Professor Siddle.

Resolution 97/01

That the Committee note the Chair's comment on Professor Siddle's resignation, thank him for his major contribution to the Committee and to postgraduate programs within the University, unanimously endorse a vote of confidence in Professor Siddle's tenure as Pro-Vice-Chancellor (Research) and resolve that these sentiments should be conveyed to Professor Siddle.

4.4 Appointment of Working Parties to consider new and amended postgraduate courses

4.4.1 Faculty of Science

Because of time constraints, the Chair asked the Committee to consider, should the Working Party unanimously agree to this proposal, that it report its decision directly to the August meeting of the Academic Board, to allow for consideration by the Senate in September.

In response to a question, the Chair agreed that input could be provided by non-Working Party members of the Committee.

Resolution 98/01
That the Committee
(i) note the appointment of the following working party to consider the proposed Doctor of Clinical Psychology; a combined Master of Psychology and Doctor of Philosophy; and a combined Master of Psychology and (the proposed) Doctor of Clinical Psychology:
Associate Professor Russell Ross (Chair)
Dr Barbara Adamson
Associate Professor Tony Masters
Associate Professor Don Rothwell
Professor Stephen Touyz (proponent)
nominee of President of SUPRA
and
(ii) resolve that, if unanimously agreed to by the Working Party, the course proposal be referred directly to the August meeting of the Academic Board.

4.4.2 Faculty of Agriculture

Resolution 99/01
That the Committee note the appointment of the following Working Party to consider the proposed Master of Applied Economics and Management:
Associate Professor Tony Masters (Chair)
Professor Chris Adam
Professor Ann Brewer
Associate Professor Frank Nicholas
Professor Gordon MacAulay (proponent)
nominee of President of SUPRA

4.5 Proposals for new and amended postgraduate courses.
4.5.1 Faculty of Health Science

Resolution 100/01
That the Committee note that the following proposals from the Faculty of Health Science have been received and referred to the Coursework Sub-Committee
Master of Applied Science (By Research) [Amendment]
Grad Cert, Grad Dip, Master of Indigenous Community Health [Amendment]
Master & Grad Cert of Health Science (Developmental Disability) [New]
Master of Physiotherapy [New]
Master of Health Science (Sports and Manipulative Physiotherapy) [New/Amended]
Graduate Certificate of Health Science (Casemix) [New]

4.5.2 Faculty of Nursing

Resolution 101/01
That the Committee note that the following proposal from the Faculty of Nursing has been received and referred to the Coursework Sub-Committee:
Graduate Certificate of Nursing (Health Services) [New]

4.5.3 Faculty of Science

Resolution 102/01
That the Committee note that the following proposals from the Faculty of Science have been received and referred to the Coursework Sub-Committee:
Automation in Field Robotics [New]
Master of Environmental Science and Law [New, joint with Faculty of Law]

4.6 English Language Requirements
A request had been received from the International Office for clarification on the policy on English language requirements for international students in the light of recent changes to visa regulations affecting students from some countries (e.g. the Indian sub-continent). They were now required to do a IELTS test, regardless of the medium of instruction in their undergraduate studies, and to achieve a specified minimum score which was below the University's minimum requirement. The potential problem identified was that a student who has met the English proficiency requirement on the basis of previous studies is demonstrating a poorer level of English proficiency in a more recent test result. The current policy provides that students who have completed a degree where the medium of instruction was English are not required to demonstrate their English proficiency through further tests. The ILO sought guidance on handling the potential flood of complaints about unconditional offers having to be reworked owing to poor IELTS test results.

In discussion it was felt there could be many reasons why students who had completed a degree where the medium of instruction was English would get a lower mark in the IELTS test, the most that could be done would be to encourage such students to take English classes and University policy should not change as a result of changes to Government policy. The Committee was unclear as to why the unconditional offers would have to be reworked. The Chair proposed that the extent of the problem be monitored, with a review of the University's policy only to be contemplated if a large number of students failed the IELTS test, although he noted that the University had no right to request such results.

Resolution 103/01
That the Committee note the issue raised and endorse the Chair's response to the International Office that the University's policy should be maintained, subject to monitoring in light of the changed Government regulations.

5. Report of the PhD Award Sub-Committee
5.1 Report of the PhD Award Sub-Committee meeting held on 3 July 2001
5.1.1 Receipt of report

Resolution 104/01
That the Committee receive and note the report of the PhD Award Sub-Committee meeting held on 3 July 2001.

5.1.2 Proceedings of the Sub-Committee
The Chair of the PhD Award Sub-Committee drew attention to importance of adhering to the Resolutions of the Academic Board relating to the Examination Process of the Degree of Doctor of Philosophy which provide that examiners' reports on a thesis should be given to the assessor without the examiners' names being identified.

Clarification was provided by the Chair of the PhD Award Sub-Committee about cotutelle agreements arising from the reported award of the University of Sydney degree of Doctor of Philosophy under a cotutelle agreement with

the Universite Paris III. He pointed out that examiners were appointed as part of cotutelle agreements and therefore the PhD Award Sub-Committee, or perhaps the Graduate Studies Committee, would merely note their appointment. He also raised the question of whether it was appropriate for the University to have a cotutelle agreement with an Australian institution.

Resolution 105/01
That the Committee note the proceedings of the PhD Award Sub-Committee meeting held on 3 July 2001 relating to the following matters:
(1) Doctor of Philosophy
  (a) Cases considered by the Sub-Committee
  (b) Appointment of Examiners
(2) Doctor of Juridical Studies
  (a) Appointment of Examiners

6. Report of the Coursework Sub-Committee

6.1 Report of the Coursework Sub-Committee meeting held on 18 June 2001

6.1.1 Receipt of report

Resolution 106/01
That the Committee receive and note the report of the Coursework Sub-Committee meeting held on 18 June 2001.

6.1.2 Proposals for new and amended postgraduate courses

(1) Faculty of Engineering: Graduate Certificate in Greenhouse Gas Mitigation

Resolution 107/01
That the Committee recommend through the Academic Board that Senate approve:
(1) the proposal from the Faculty of Engineering for the introduction in 2002 of the new Graduate Certificate in Greenhouse Gas Mitigation course;
(2) the amendment of the Resolutions of the Senate relating to Degrees, Diplomas and Certificates in the Faculty of Engineering., with effect from 1 January 2002, as set out in the report presented; and
(3) the adoption of new Resolutions of the Senate relating to the Graduate Certificate in Greenhouse Gas Mitigation course, with effect from 1 January 2002, as set out in the report presented.

6.1.3 Reviews of Postgraduate Coursework

The Chair drew attention to the requirements for annual faculty reviews of postgraduate coursework.

Resolution 108/01
That the Committee note the report on Faculty Reports on Reviews of Postgraduate Coursework during 2000.

6.1.4 Proceedings of the Sub-Committee

With respect to the report on Services offered to students after 4.30 pm, the Chair confirmed that the letter and short questionnaire to be sent out shortly to faculties would also be sent to non-Faculty services, e.g. the Student Centre, Security Office and libraries.

Resolution 109/01
That the Committee note the proceedings of the Coursework Sub-Committee meeting held on 18 June relating to the following:
(1) Membership of the Sub-Committee
(2) Services offered to students after 4.30 pm.

7. General Business

7.1 Vice-Chancellor's Awards for Excellence in Research Higher Degree Supervision

In response to a question, the Chair advised that while minor changes to the criteria for the Vice-Chancellor's Awards for Excellence in Research Higher Degree Supervision were possible, he was keen for the criteria to go forward and requested changes as quickly as possible.

Resolution 110/01
That the Committee recommend that the Academic Board adopt the criteria for the Vice-Chancellor's Awards for Excellence in Research Higher Degree Supervision, as set out in the report presented, subject to any minor changes.

7.2 Amendment of the Resolutions of the Senate: Faculty of Law

Resolution 111/01
That the Committee note the report on minor changes to the Master of Criminology by coursework and the Graduate Diploma in Criminology approved by the Faculty.

7.3 Academic Honesty in Coursework Policy

The Chair of the Academic Board had circulated for consideration, with a response sought by the Teaching and Learning Committee by 20 July 2001:

- a draft Academic Honesty in Coursework Policy based on the advice of the University Solicitor and Registrar regarding the proposed integration with Chapter 8 of the University of Sydney By-laws 1999.
- a Discussion Paper on an alternative process for considering allegations of academic dishonesty, which outlined the Working Party's concept of Faculty Academic Honesty Committees.

Professor Ann Brewer, who is also a member of the Teaching and Learning Committee’s Academic Honesty Working Party, reported that the Working Party’s view was that the faculties were in the best position to administer a process of considering allegations of academic dishonesty while maintaining the right of an allegation being referred to the Registrar for further consideration and the right of a student to appeal the decision of the Faculty Academic Honesty Committee or the Registrar. However the University Solicitor had raised the issue of whether the faculty could manage allegations of academic dishonesty or whether the matter should be referred to the Registrar, which was in accordance with the University of Sydney By-law 1999, Chapter 8 *Student Discipline*. Professor Brewer reported that the Teaching and Learning Committee supported a By-law change to remove this requirement.

In discussion, members expressed support for the Working Party's concept of Faculty Academic Honesty Committees and for amendment of Chapter 8 of the University of Sydney By-law 1999 to remove the requirement that the allegation of academic dishonesty be referred to the Registrar.

Points raised in discussion about Part 3, 3 of the Working Party’s Discussion Paper - Processes relating to academic honesty - included:

- because of concern that a lecturer could initiate proceedings without consultation with the Head of Department, it was suggested that section (1) (a) needed to include reference to notifying the Head of Department that the lecturer in charge or unit co-ordinator was arranging for a consultation with the student. (This would not necessarily mean that the Head would be brought in but would be for the Head's protection.)
- because of concern that the lecturer might be wrong but there would be a written record placed on the student's file, it was suggested that there needed to be an additional step after (1) (b), which provided that, if the lecturer in charge or unit co-ordinator was convinced that the student acted without the intention to deceive or was otherwise not acting dishonestly, no further action would be taken.

Other comments included:

- The policy needed to provide guidance on the situation where students, e.g. in Law, had researchers or paralegals undertaking their research. Professor Brewer responded that it was implicit in the policy that the work must be the student's own work.
- The Working Party's preferred method involved the Faculty having to establish an additional committee and it was suggested that this could be a sub-committee of an existing committee.
- It is important that faculty members be educated about what constitutes academic dishonesty.
- One reason why many appeals to the Registrar were upheld was because of procedural errors in faculties.

Resolution 112/01
That the Committee note that Professor Brewer had taken on board comments made by members, and strongly endorse the principle that faculties rather than the Registrar are in the best position to administer a process of considering allegations of academic dishonesty.

AGENDA ITEM 3
Report of the Chair

3.1 Membership of the Committee

Professor Jeff Sigafoos has resigned and on behalf of the Committee I wish to extend my appreciation for his commitment and contribution to the Committee. I welcome Dr Richard Walker as the new representative of the Faculty of Education.

3.2 Higher doctorates ***(pages 14-15)***

3.2.1 Award of Degree

On the recommendation of the Faculty of Science Postgraduate Studies Committee, I have considered the examiners reports and approved the award of the degree of Doctor of Science to the following candidate:

Candidate: Dr Michael Robert Dence

Published work: *Meteorite Impact Cratering and Shock Metamorphism on the Earth and Moon*

Examiners: Dr Bevan M French
Dr Andrew Glikson
Dr Alex Bevan
Professor H Jay Melosh

All examiners recommended that the degree be awarded.

3.3 Working Party on Clinical Psychology ***(pages 16-23)***

3.2.1 Doctor of Clinical Psychology/Master of Science and Doctor of Clinical Psychology/Doctor of Philosophy

The working party to consider the proposed Doctor of Clinical Psychology/Master of Science and Doctor of Clinical Psychology/Doctor of Philosophy met following the last Graduate Studies Committee and has recommended through the Academic Board that Senate approve the introduction of the new courses.

An extract from the report to the Academic Board is attached and I will update members at the Committee meeting following the meeting of the Board on Wednesday 15 August.

The University of Sydney

Faculty of Science

NSW 2006 AUSTRALIA

Carslaw Building F07

Associate Professor Brian James
Associate Dean (Postgraduate Research)

Telephone +61 2 9351 2712
Facsimile +61 2 9351 4846
B.James@physics.usyd.edu.au

Memorandum to:-

Graduate Studies Committee
University of Sydney

Report of the Faculty of Science's Postgraduate Studies Committee

Award of degree: Doctor of Science

The Postgraduate Studies Committee of the Faculty of Science, at its meeting on 17 July 2001, resolved to recommend the award of the degree of Doctor of Science to the following candidate:

Candidate:	Dr Michael Robert Dence
Published work:	*Meteorite Impact Cratering and Shock Metamorphism on the Earth and Moon*
Examiners:	Dr Bevan M French Dr Andrew Glikson Dr Alex Bevan Professor H Jay Melosh

The first examiner stated that:

"I strongly recommend that the award of the DSc degree be awarded to the candidate based on this published work. I consider this work to be a 'distinguished contribution to knowledge' as defined in the guidelines."

The second examiner stated that:

"Without doubt Michael Robert Dence has a proud scientific record as one of the pioneers in impact research on the Earth and Moon and an authority in the ever growing discipline of Planetary science, as manifested by his numerous publications, presentation in numerous scientific conferences and central role in impact research projects in Canada as well an in the lunar project.

On this basis the candidate in uniquely qualified and is strongly recommended for the degree of Doctor of Science."

The third examiner stated that:

"Michael Dence belongs to a venerated group of scientists who were pioneers in their field and who paved the way for modern understanding of meteorite impact. Many of the now generally accepted

features of craters and an understanding of crater mechanics are the result of the detailed geological investigations of Canadian (and other) craters by Dence and his collaborators."

And

"I am very pleased to recommend to the Board of Studies that Michael Dence's thesis be accepted for the degree of Doctor of Science."

The fourth examiner stated that:

"His contributions came at a critical time in the development of our modern understanding of impact cratering mechanics and he ranks as a major contributor to this field.

I have no hesitation whatever in recommending him for the degree of Doctor of Science."

And

"Impact cratering has affected not only the structure of planets but the origin, evolution and extinction of life itself. Prof. Dence is one of about half a dozen early founders of this field….He well deserves the honor you may bestow on him."

All examiners recommended that the degree be awarded.

Please find attached the examiner's reports. Also attached are the Prima Facie final recommendations for the award of the degree.

If you have any problems in relation to this matter, please do not hesitate to contact me.

Yours sincerely

(A/Prof) Brian James
Chair
Postgraduate Studies Committee
Faculty of Science

AGENDA ITEM 3.3
Working Party on Clinical Psychology

3.3.1 Extract from the Graduate Studies Committee report to the Academic Board

2. Proposals for new and amended postgraduate courses

2.2 Faculty of Science: Doctor of Clinical Psychology/Master of Science and Doctor of Clinical Psychology/Doctor of Philosophy

The Working Party of the Graduate Studies Committee **recommends** through the Academic Board that Senate approve:

(1) the proposal from the Faculty of Science for the introduction in 2002 of the new courses, Doctor of Clinical Psychology/Master of Science and Doctor of Clinical Psychology/Doctor of Philosophy;

(2) the amendment of the Resolutions of the Senate relating to Degrees, Graduate Diplomas and Graduate Certificates in the Faculty of Science, with effect from 1 January 2002, as set out in the report presented; and ***(page 18)***

(3) the adoption of new Resolutions of the Senate relating to the Doctor of Clinical Psychology/Master of Science and Doctor of Clinical Psychology/Doctor of Philosophy courses, with effect from 1 January 2002, as set out in the report presented. ***(pages 18-23)***

The Graduate Studies Committee had received a proposal from the Faculty of Science for the introduction of the new courses, the Doctor of Clinical Psychology/Master of Science and Doctor of Clinical Psychology/Doctor of Philosophy and referred it to the working party for consideration.

The existing Clinical Master of Psychology program would no longer be offered as the proposed courses would enable graduates to meet professional requirements and provided an opportunity to integrate science and progressional practice at the highest level.

The working party noted the discipline of psychology was a regulated profession requiring clinical training and that the proposed programs had been structured to ensure graduates met the requirements of the Australian Psychological Society and its College of Clinical Psychologists as well as the NSW Psychologists Registration Board.

The proposed programs were supported by current students, alumni and senior clinical psychologists in professional practice and comprised a sound theoretical and empirical knowledge base together with state of the art teaching methods in clinical skills. The degrees would be unique in Australia in that they would be based primarily in clinical schools.

The working party discussed areas of concern in the original proposal, including the duration of the programs, maximum and minimum length of candidature, and the balance of coursework to research.

It was noted that it was not proposed to offer the Doctor of Clinical Psychology as a separate qualification as it would not meet professional requirements for graduates, although candidates could transfer out of the combined programs into the Master of Science or Doctor of Philosophy if they met the requirements for those degrees.

The proposed Resolutions of the Senate were subsequently amended in response to the queries raised and the working party also recommended that the Faculty clarify the requirements of the thesis in the material distributed to potential candidates.

The working party was unanimous in its view that the proposed new courses, Doctor of Clinical Psychology/Master of Science and Doctor of Clinical Psychology/Doctor of Philosophy were educationally desirable.

Resolutions of the Senate

Faculty of Science: Doctor of Clinical Psychology/Master of Science and Doctor of Clinical Psychology/Doctor of Philosophy

Degrees, Graduate Diplomas and Graduate Certificates in the Faculty of Science
The Resolutions of the Senate relating to the Degrees, Graduate Diplomas and Graduate Certificates in the Faculty of Science (p 337, *Calendar 2001*) is amended from 1 January 2002 to the following effect.

Section 1 relating to the degrees in the Faculty of Science is amended by adding the following:
(r) Doctor of Clinical Psychology/Master of Science; and
(s) Doctor of Clinical Psychology/Doctor of Philosophy

Doctor of Clinical Psychology / Master of Science
The following new Resolutions of the Senate relating to the Doctor of Clinical Psychology/Master of Science are adopted from 1 January 2002.

DOCTOR OF CLINICAL PSYCHOLOGY/MASTER OF SCIENCE
Award of the degrees
1. The degrees of Doctor of Clinical Psychology and Master of Science shall only be awarded on satisfactory completion of the requirements for both degrees, except as provided by the Resolutions of the Senate relating to the degree of Master of Science.

Eligibility for admission
2. The Dean of the Faculty of Science may admit to candidature:
(1) (a) graduates of the University of Sydney holding the degree of Bachelor of Psychology, Bachelor of Science (Honours), Bachelor of Arts (Honours), Bachelor of Economics (Social Sciences) (Honours), or Bachelor of Liberal Studies (Honours) in Psychology with a result of 2:1 or better or any other equivalent award of the University of Sydney; or
(b) graduates of other universities who have qualifications equivalent to those specified in subsection (1); and
(2) who have satisfied the Department of their personal suitability for the practice of clinical psychology determined by personal interview and by analysis of units of study completed.

Availability
3.
(1) Admission to candidature may be limited by a quota. In determining the quota, the University will take into account:
(a) availability of resources including space, laboratory and computing facilities; and
(b) availability of adequate and appropriate supervision.
(2) In considering an application for admission to candidature, the Head of Department, the Director of Clinical Training and the Dean shall take account of the quota and shall select, in preference, applicants who are most meritorious in terms of section 2 above.

Method of progression
4. A candidate for the combined award course shall proceed by completing units of study, clinical internships, research and thesis in accordance with Sections 7 and 8.

Time limits
5.
(1) A candidate may proceed on either a full-time or a part-time basis.
(2) A candidate shall complete the requirements for the combined award course in a minimum of six semesters and a maximum of twelve semesters, and except with permission of the Dean within nine calendar years of admission to candidature.

(3) The Director of Clinical Training in consultation with the members of the Clinical Psychology Unit shall approve any period of absence.

Requirements for the combined award course
6. Candidates for the combined award course are required to:
(1) complete satisfactorily 96 credit points from approved units of study. A unit of study shall consist of such lectures, seminars, tutorial instruction, essays, exercises, practical work, or project work as may be prescribed. In these resolutions, 'to complete a unit of study' or any derivative expression means:

(a) to attend all the lectures and the meetings, if any, for seminars or tutorial instruction;
(b) to complete satisfactorily the essays, exercises, practical and project work if any; and
(c) to pass any other examination of the unit of study that may apply.

(2) pursue a course of advanced study and research leading to the submission of a thesis in an area of clinical research
(3) complete satisfactorily clinical internships in accordance with Sections 7 and 8
(4) complete satisfactorily two specialist seminars in clinical psychology

7. The following are the requirements for the combined award course. The structure of the course is arranged to cover areas from five key topics, namely: Therapy Knowledge and Skills, Assessment Knowledge and Skills, Clinical Internships, Ethics and Professional Practice and Research arranged as follows:

Year, Semester	**Therapy Knowledge and Skills**	**Assessment Knowledge and Skills**	**Clinical Internships**	**Ethics and Professional Practice**	**Research**
1,1	Adult Psychological Disorders I: Theory and Practice	Psychological Assessment of Adults: Theory and Practice	Clinical Internships 1	Ethics and Professional Practice 1	Research 1
1,2	Child and Family Psychology: Theory and Clinical Practice	Psychological Assessment of Children: Theory and Practice	Clinical Internships 2	Ethics and Professional Practice 2	Research 2
2,1	Adult and Health Psychology: Theory and Clinical Practice	Cognitive Neuropsychology in Clinical Practice	Clinical Internships 3	Ethics and Professional Practice 3	Research 3
2,2	Specialist Seminars in Clinical Psychology	Neuropsychological Disorders	Clinical Internships 4	Ethics and Professional Practice 4	Research 4
3,1	Advanced Seminars in Clinical Psychology	Nil	Clinical Internships 5	Ethics and Professional Practice 5	Research 5
3,2	Nil	Nil	Clinical Internships 6	Ethics and Professional Practice 6	Research 6

Examination
8. The procedures for the examination and award of the Master of Science shall be prescribed in the Resolutions of the Senate relating to that degree

9. On completion of the requirements for the combined award course, the Faculty, on the recommendation of the Head of Department and the Director of Clinical Training, shall determine the results of the candidature.

Progress

10.

(1) The Dean may –

(a) call upon any candidate to show cause why that candidature should not be terminated by reason of unsatisfactory progress towards the completion of the combined award course, and

(b) where the candidate does not show good cause, terminate the candidature.

(2) Satisfactory progress is prescribed as:

(a) a candidate for the combined award course must complete satisfactorily (at a pass level) all units of study.

(b) if a candidate fails to complete satisfactorily a unit of study at the first attempt, they can make a second attempt at completing that unit of study. They may not begin the next unit of study within the same key topic area until the previous unit of study has been satisfactorily completed.

(c) any candidate who fails to complete satisfactorily a unit of study at the second attempt will normally be deemed to have failed to complete the course requirements and their candidature will be terminated by the Dean

(d) if a candidate fails to complete satisfactorily two units of study within the same key topic area at the first attempt, they will normally be deemed to have failed to complete the course requirements and their candidature will be terminated by the Dean

Credit

11. A candidate who, before admission to candidature, has spent time in graduate study and, within the previous three years, has completed coursework considered by the Dean to be equivalent to units of study prescribed for the combined award course, may receive credit of up to 48 credit points towards the requirements for the Doctor of Clinical Psychology provided that the completed work was not counted toward the requirements of another degree.

Transfer to Master of Science Candidature

12. The Director of Clinical Training in consultation with the Head of Department may recommend that a candidate withdraw from candidature for the combined award course and complete requirements for the degree of Master of Science under such conditions as the Dean may determine.

Doctor of Clinical Psychology / Doctor of Philosophy
The following new Resolutions of the Senate relating to the Doctor of Clinical Psychology/Master of Science are adopted from 1 January 2002.

DOCTOR OF CLINICAL PSYCHOLOGY/DOCTOR OF PHILOSOPHY
Award of the degrees
1. The degrees of Doctor of Clinical Psychology and Doctor of Philosophy shall only be awarded on satisfactory completion of the requirements for both degrees, except as provided by the Resolutions of the Academic Board relating to the degree of Doctor of Philosophy.

Eligibility for admission
2. The Dean of the Faculty of Science may admit to candidature:
(1) (a) graduates of the University of Sydney holding the degree of Bachelor of Psychology, Bachelor of Science (Honours), Bachelor of Arts (Honours), Bachelor of Economics (Social Sciences) (Honours), or Bachelor of Liberal Studies (Honours) in Psychology with a result of 2:1 or better or any other equivalent award of the University of Sydney; or
(b) graduates of other universities who have qualifications equivalent to those specified in subsection (1); and
(2) who have satisfied the Department of their personal suitability for the practice of clinical psychology determined by personal interview and by analysis of units of study completed.

Availability
3.
(1) Admission to candidature may be limited by a quota. In determining the quota, the University will take into account:
(a) availability of resources including space, laboratory and computing facilities; and
(b) availability of adequate and appropriate supervision.
(2) In considering an application for admission to candidature, the Head of Department, the Director of Clinical Training and the Dean shall take account of the quota and shall select, in preference, applicants who are most meritorious in terms of section 2 above.

Method of progression
4. A candidate for the combined award course shall proceed by completing units of study, clinical internships, research and thesis in accordance with Sections 7 and 8.

Time limits
5.
(1) A candidate may proceed on either a full-time or a part-time basis.
(2) A candidate shall complete the requirements for the combined award course in a minimum of nine semesters and a maximum of fifteen semesters, and except with permission of the Dean within nine calendar years of admission to candidature.
(3) The Director of Clinical Training in consultation with the members of the Clinical Psychology Unit shall approve any period of absence.

Requirements for the combined award course
6. Candidates for the combined award course are required to:
(1) complete satisfactorily 96 credit points from approved units of study. A unit of study shall consist of such lectures, seminars, tutorial instruction, essays, exercises, practical work, or project work as may be prescribed. In these resolutions, 'to complete a unit of study' or any derivative expression means:
(a) to attend all the lectures and the meetings, if any, for seminars or tutorial instruction;
(b) to complete satisfactorily the essays, exercises, practical and project work if any; and
(c) to pass any other examination of the unit of study that may apply.
(2) pursue a course of advanced study and research leading to the submission of a thesis in an area of clinical research
(3) complete satisfactorily clinical internships in accordance with Sections 7 and 8

(4) complete satisfactorily two specialist seminars in clinical psychology

7. The following are the requirements for the combined award course. The structure of the course is arranged to cover areas from five key topics, namely: Therapy Knowledge and Skills, Assessment Knowledge and Skills, Clinical Internships, Ethics and Professional Practice and Research arranged as follows:

Year, Semester	**Therapy Knowledge and Skills**	**Assessment Knowledge and Skills**	**Clinical Internships**	**Ethics and Professional Practice**	**Research**
1,1	Adult Psychological Disorders I: Theory and Practice	Psychological Assessment of Adults: Theory and Practice	Clinical Internships 1	Ethics and Professional Practice 1	Research 1
1,2	Child and Family Psychology: Theory and Clinical Practice	Psychological Assessment of Children: Theory and Practice	Clinical Internships 2	Ethics and Professional Practice 2	Research 2
2,1	Adult and Health Psychology: Theory and Clinical Practice	Cognitive Neuropsychology in Clinical Practice	Clinical Internships 3	Ethics and Professional Practice 3	Research 3
2,2	Specialist Seminars in Clinical Psychology	Neuropsychological Disorders	Clinical Internships 4	Ethics and Professional Practice 4	Research 4
3,1	Advanced Seminars in Clinical Psychology	Nil	Clinical Internships 5	Ethics and Professional Practice 5	Research 5
3,2	Nil	Nil	Clinical Internships 6	Ethics and Professional Practice 6	Research 6
4,1					Research 7
4,2					Research 8
5,1					Research 9
5,2					Research 10

Examination

8. The procedures for the examination and award of the Doctor of Philosophy (including the provision for transfer to Master's candidature if the degree is not awarded) shall be prescribed in the Resolutions of the Academic Board and Senate relating to that degree

9. On completion of the requirements for the combined award course, the Faculty, on the recommendation of the Head of Department and the Director of Clinical Training, shall determine the results of the candidature.

Progress

10.

(1) The Dean may –

(a) call upon any candidate to show cause why that candidature should not be terminated by reason of unsatisfactory progress towards the completion of the combined award course, and

(b) where the candidate does not show good cause, terminate the candidature.

(2) Satisfactory progress is prescribed as:

(a) a candidate for the combined award course must complete satisfactorily (at a pass level) all units of study.

(b) if a candidate fails to complete satisfactorily a unit of study at the first attempt, they can make a second attempt at completing that unit of study. They may not begin the next unit of study within the same key topic area until the previous unit of study has been satisfactorily completed.

(c) any candidate who fails to complete satisfactorily a unit of study at the second attempt will normally be deemed to have failed to complete the course requirements and their candidature will be terminated by the Dean

(d) if a candidate fails to complete satisfactorily two units of study within the same key topic area at the first attempt, they will normally be deemed to have failed to complete the course requirements and their candidature will be terminated by the Dean

Credit

11. A candidate who, before admission to candidature, has spent time in graduate study and, within the previous three years, has completed coursework considered by the Dean to be equivalent to units of study prescribed for the combined award course, may receive credit of up to 48 credit points towards the requirements for the Doctor of Clinical Psychology provided that the completed work was not counted toward the requirements of another degree.

Transfer to Doctor of Philosophy Candidature

12. The Director of Clinical Training in consultation with the Head of Department may recommend that a candidate withdraw from candidature for the combined award course and complete requirements for the degree of Doctor of Philosophy under such conditions as the Dean may determine.

AGENDA ITEM 4
Report of the PhD Award Sub-Committee

4.1 Report of the PhD Award Sub-Committee meeting held on Tuesday 7 August 2001

The Committee met on 7 August 2001 when there were present: The Chair of the PhD Award Sub-Committee (Associate Professor A F Masters) presiding, Associate Professors J Chirstodoulou, P Jones, F Nicholas and J Small. Miss K Neveldsen was in attendance.

1. Receipt of Report

The Sub-Committee **recommends** that the Graduate Studies Committee receive and note the following report of the meeting held on 7 August 2001.

2. Second quarter report of 2001 ***(pages 25-27)***

The Sub-Committee considered the Second quarter report of 2001 and noted:

- that Associate Professor Phillip Jones would investigate the processes in the Faculty of Education and the reason no report was presented;
- the examination period for 30% of the theses was longer than six months and this needed to be substantially reduced, particularly in some faculties;
- common issues such as the timeframe for the appointment of examiners could relate to candidates not providing appropriate notification of submission;
- Postgraduate Co-ordinators could consider initiating consideration of the appointment of examiners by supervisors once a candidate had reached three years full-time candidature;
- in some cases heads of departments appeared to be taking overly long to complete reports for consideration by faculty boards.

Recommendation

That the Graduate Studies Committee note the second quarter report of 2001 of the PhD Award Sub-Committee, as set out in the report presented.

3. Proceedings of the Sub-Committee

(1) Report of the Chair

The Chair reported to the Sub-Committee advice he had sought from the University Solicitor in clarification of the examination process undertaken in respect of a candidature.

(2) Doctor of Philosophy

(a) Examiners reports

The Sub-Committee considered examiners' reports, together with the recommendations of the head of department/school concerned and the faculty board of postgraduate studies, with respect to three candidates and resolved:

(i) to approve the award of the degree of Doctor of Philosophy, subject to emendations, in two cases; and

(ii) to require revision and resubmission for examination in one case;

(b) Appointment of Examiners

The Sub-Committee noted that examiners had been appointed for 22 candidates for the degree of Doctor of Philosophy.

2. Second quarter report of 2001

2.1 Awards at faculty level

The second quarter report from faculties to the PhD Award Sub-Committee on PhDs awarded at faculty level for the period 1 April to 30 June 2001 is tabulated below, with complete reports from faculties attached. No PhDs were awarded at faculty level for this period by the faculties of Architecture, Dentistry, Rural Management, the Sydney College of the Arts, the Conservatorium of Music and the Australian Graduate School of Management. No response was received from the Faculty of Education.

Faculty	Award	Award subject to		Percentages		
		Typographical corrections	Emendations	Award	Typographical corrections	Emendations
Agriculture	-	1	5	-	16%	84%
AGSM	-	-	-	-	-	-
Architecture	-	-	-	-	-	-
Arts	3	1	3	43%	14%	43%
College of the Arts	-	-	-	-	-	-
Conservatorium of Music	-	-	-	-	-	-
Dentistry	-	-	-	-	-	-
Economics	-	-	3	-	-	100%
Education						
Engineering	-	3	6	-	33.3%	66.7%
Health Sciences	-	-	2	-	-	100%
Law	1	-	-	100%	-	-
Medicine	3	1	14	16%	5%	79%
Nursing	-	1	-	-	100%	-
Pharmacy	-	-	-	-	-	-
Rural Management	-	-	-	-	-	-
Science	7	4	9	35%	20%	45%
Veterinary Science	-	-	2			100%
TOTAL	**14**	**11**	**44**	**20%**	**16%**	**64%**

2.2 Awards by PhD Award Sub-Committee

The second quarter report on PhDs considered by the Sub-Committee indicating the recommendation of the Sub-Committee forwarded to the faculty concerned for the period 1 April to 30 June 2001 is tabulated below:

Faculty	Award	Typographical corrections	Emendations	Revise and resubmit	Non-award
Agriculture	-	-	-	-	-
AGSM	-	-	-	-	-
Architecture	-	-	-	-	-
Arts	-	-	4	2	-
College of the Arts	-	-	-	-	-
Conservatorium of Music	-	-	-	-	-
Dentistry	-	-	-	1	-
Economics	-	-	-	-	-
Education					
Engineering	-	-	-	-	-
Health Sciences	-	-	-	-	-
Law	-	-	-	1	-
Medicine	-	-	3	-	-
Nursing	-	-	-	-	-
Pharmacy	-	-	-	-	-
Rural Management	-	-	-	-	-
Science	-	-	1	-	-
Veterinary Science	-	-	-	-	-
TOTAL	**-**	**-**	**8**	**4**	**-**

2.3 Total awards second quarter 2001

The total awards for the second quarter 2001 including PhDs awarded at faculty level or recommended by the PhD Award Sub-Committee is tabulated below:

Faculty	**Numbers**					**Percentages**				
	Award	**Typographical corrections**	**Emendations**	**Revise and resubmit**	**Non-award**	**Award**	**Typographical corrections**	**Emendations**	**Revise and resubmit**	**Non-award**
Agriculture	-	1	5	-	-	-	16%	84%	-	-
AGSM	-	-	-	-	-	-	-	-	-	-
Architecture	-	-	-	-	-	-	-	-	-	-
Arts	3	1	7	2	-	23%	7.5%	54.5%	15%	-
College of the Arts	-	-	-	-	-	-	-	-	-	-
Conservatorium of Music	-	-	-	-	-	-	-	-	-	-
Dentistry	-	-	-	1	-	-	-	-	100%	-
Economics	-	-	3	-	-	-	-	100%	-	-
Education										
Engineering	-	3	6	-	-	-	33.3%	66.7%	-	-
Health Sciences	-	-	2	-	-	-	-	100%	-	-
Law	1	-	-	1	-	50%	-	-	50%	-
Medicine	3	1	17	-	-	14.5%	4.5%	81%	-	-
Nursing	-	1	-	-	-	-	100%	-	-	-
Pharmacy	-	-	-	-	-	-	-	-	-	-
Rural Management	-	-	-	-	-	-	-	-	-	-
Science	7	4	10	-	-	33.3%	19%	47.7%	-	-
Veterinary Science	-	-	2	-	-	-	-	100%	-	-
TOTAL	14	11	52	4	-	17.3%	13.6%	64.1%	5%	-

2.4 Summary of examination times, second quarter 2001

The summary below is for PhDs awarded directly at faculty level without further qualification, subject to typographical corrections or emendations. The time of examination is calculated as the number of days between the date that the thesis was submitted and the date that the candidate was informed of the result (that is, the date of the letter information of award or award subject to qualification).

Averaged over all faculties 19% of degrees were awarded in three months or less, 21% in four months, 16% in five months, 14% in six months and 30% took longer than six months.

Faculty	**Numbers**					**Percentages**				
	≤2 mths	**3 mths**	**4 mths**	**5 mths**	**6 mths**	**7 mths**	**8 mths**	**9 mths**	**>9 mths**	**Total**
Agriculture		2		1	1	1				6
AGSM										
Architecture										
Arts			2	3				1	1	7
College of the Arts										
Conservatorium of Music										
Dentistry										
Economics					1				2	3
Education										
Engineering		5	1	3						9
Health Sciences		1	1							2
Law										
Medicine		1	1	2	3	4	3		4	18
Nursing	1									1
Pharmacy										
Rural Management										
Science	1	2	8	2	5				2	20
Veterinary Science			1						1	2
TOTAL	1	12	15	11	10	5	3	2	10	

AGENDA ITEM 5
Report of the Coursework Sub-Committee

5.1 Report of the Coursework Sub-Committee meeting held on Monday 6 August 2001

The Coursework Sub-Committee met on 6 August 2001 when there were present: The Chair (Associate Professor R T Ross) presiding, Professor A Brewer, Dr M J Mahony and Mr K Barlow. Associate Professor G Llewellyn, Drs B Adamson, A Dawson, E Ellis and K Refshauge were present to speak to the proposals. Miss K Neveldsen was in attendance.

1. Receipt of report

The Sub-Committee **recommends** that the Graduate Studies Committee receive and note the following report of its meeting held on 6 August 2001.

2. Proposals for new and amended postgraduate courses

(1) Faculty of Engineering: Master of Automation in Field Robotics and Graduate Diploma in Automation in Field Robotics ***(pages 34-36)***

The Sub-Committee considered a proposal from the Faculty of Engineering for the introduction in 2002 of the following new postgraduate courses:

- Master of Automation in Field Robotics
- Graduate Diploma in Automation in Field Robotics
- Graduate Certificate in Automation in Field Robotics

The proposed courses were designed to meet demand for advanced training from the Engineering sector and had been developed with an intended market of engineers actively engaged in technical work in field automation related industries.

The proposed programs were based on a series of intensive modules consisting of a series of lectures, laboratories and tutorials. The modules were designed to be self-contained and portable, to enable courses to be delivered at industry sites and overseas to enhance participation.

The objective of the proposed programs was to provide and ensure that Australian and overseas industry was supplied with engineers with the abilities and knowledge to develop and implement field automation systems.

The full proposal was available on the web at:
http://www.usyd.edu.au/su/ab/committees/CworkSC/meetings01.html

The Sub-Committee noted in discussion several problems with the proposal:

- the use of nomenclature inconsistent with required terminology, in particular the use of the term 'course' when 'unit of study' was meant and the use of 'unit' when 'credit point ' was appropriate;
- the proposed Graduate Certificate did not comply with Academic Board policy on requirements for graduate certificates which clearly state that a minimum of 24 credit points worth of study must be successfully completed.

The Chair reported that he had discussed the credit point problem with the Faculty. He had indicated to the Faculty that the Graduate Certificate proposal could not be approved in its present form. He has since received a formal written request seeking Graduate Studies Committee dispensation for the lower credit point requirement. The request had not been received in time to distribute to members and rather than have the request discussed without notice it would be held over until the next meeting of the Sub-Committee.

Recommendation
That the Sub-Committee commend the proposals, for the introduction of the Masters and Graduate Diploma to the Graduate Studies Committee for recommendation through the Academic Board that Senate approve:

(1) the proposal from the Faculty of Engineering for the introduction in 2002 of the new courses, Master of Automation in Field Robotics and Graduate Diploma in Automation in Field Robotics;

(2) the amendment of the Resolutions of the Senate relating to the Degrees, Diplomas and Certificates in the Faculty of Engineering, with effect from 1 January 2002, as set out in the report presented; and

(3) the adoption of the Resolutions of the Senate relating to the above courses, with effect from 1 January 2002, as set out in the report presented.

(2) Faculty of Science: Master of Environmental Science and Law ***(pages 37-38)***

The Sub-Committee considered a proposal from the Faculty of Science for the introduction in 2002 of the new postgraduate course, Master of Environmental Science and Law.

The proposed course was designed to allow students from the Faculties of Law and Science to combine equal units of study from each Faculty to provide graduates with the opportunity to advance their skills and abilities to solve multifaceted problems concerning the environment. Increasingly, practitioners in the environmental area were requiring a knowledge of both science and law in order to conduct their work.

The full proposal was available on the web at:
http://www.usyd.edu.au/su/ab/committees/CworkSC/meetings01.html

The Sub-Committee noted in discussion that Faculty of Law had provided preliminary advice that the program would be administered by the Faculty of Science.

Recommendation
That, subject to clarification of administration of the degree, the Sub-Committee commend the proposal to the Graduate Studies Committee for recommendation through the Academic Board that Senate approve:

(1) the proposal from the Faculty of Science for the introduction in 2002 of the new course, Master of Environmental Science and Law;

(2) the amendment of the Resolutions of the Senate relating to the Degrees, Graduate Diplomas and Graduate Certificates in the Faculty of Science, with effect from 1 January 2002, as set out in the report presented; and

(3) the adoption of the Resolutions of the Senate relating to the above course, with effect from 1 January 2002, as set out in the report presented.

(3) Faculty of Health Sciences: Master of Health Science (Sports Physiotherapy) and Master of Health Science (Manipulative Physiotherapy) ***(pages 39-40)***

The Sub-Committee considered a proposal from the Faculty of Health Sciences for the introduction in 2002 of the new postgraduate course, Master of Health Science (Sports and Manipulative Physiotherapy).

The proposed course had been developed to meet a substantial need within the physiotherapy community as the nature of the professional caseload of physiotherapists working in musculoskeletal physiotherapy dictated that they required a combination of the knowledge and skills entailed in both existing Master's programs.

The proposed course would meet the needs of the professional association, be responsive to the needs of physiotherapists in the field and would ensure the University remained competitive in its course offerings.
The full proposal was available on the web at:
http://www.usyd.edu.au/su/ab/committees/CworkSC/meetings01.html

Dr Kathryn Refshauge was present for discussion of the proposal.

The Sub-Committee noted in discussion:

- the intention of the proposal was to create an alternate pathway for a combined Master's program rather than completing an existing degree and receiving advanced standing in the second;
- both existing Master's programs would continue;
- the intention was to provide a combined degree program however the Sub-Committee noted the faculty may wish to re-consider the proposed name to more accurately reflect this.

The Sub-Committee agreed that the Chair would consult the Director, Student Centre to clarify issues relating to the length of a degree name and its publication on the testamur and that the faculty would consider and confirm the proposed name before the proposal was considered by the Graduate Studies Committee.

Recommendation
That, subject to confirmation of the proposed name, the Sub-Committee commend the proposal to the Graduate Studies Committee for recommendation through the Academic Board that Senate approve:

(1) the proposal from the Faculty of Health Sciences for the introduction in 2002 of the new course, Master of Health Sciences (Sports and Manipulative Physiotherapy);

(2) the amendment of the Resolutions of the Senate relating to the Degrees, Diplomas and Certificates in the Faculty of Health Sciences, with effect from 1 January 2002, as set out in the report presented; and

(3) the adoption of the Resolutions of the Senate relating to the above courses, with effect from 1 January 2002, as set out in the report presented.

Subsequent to the meeting, the Chair has been advised that the nomenclature issue that the Faculty has resolved that the proposed combined course is to be known as the Master of Health Science (Sports Physiotherapy) and Master of Health Science (Manipulative Physiotherapy).

(4) Faculty of Health Sciences:
Master of Health Science (Developmental Disability) and
Graduate Certificate of Health Science (Developmental Disability) ***(pages 39-40)***

The Sub-Committee considered a proposal from the Faculty of Health Sciences for the introduction in 2002 of the new postgraduate courses, Master of Health Science (Developmental Disability) and Graduate Certificate of Health Science (Developmental Disability).

The proposed courses were designed to advance multidisciplinary practice in the field of developmental disabilities based on demand from practitioners (particularly medical, health, dental, nursing and related professions) working in the developmental disabilities field for graduate level study.

The full proposals were available on the web at:
http://www.usyd.edu.au/su/ab/committees/CworkSC/meetings01.html

Associate Professor Gwynnyth Llewellyn was present for discussion of the proposal.

The Sub-Committee noted in discussion:

- the proposal was for an articulated graduate program that would encompass health professionals from multi-disciplinary fields;
- while unique, the proposal had strong support from industry, professional bodies and governmental agencies;
- representation on the management committee would reflect the cross-College initiative but the programs would be located within the Faculty of Health Sciences;
- the faculty did not wish to propose a graduate diploma;
- the alphanumeric codes allocated to some of the units of study were not in the conventions adopted by Academic Board and would need to be altered.

Dr Mahoney agreed to address the issue relating to the codes allocated to the units of study with the faculty administration.

Recommendation
That the Sub-Committee commend the proposal to the Graduate Studies Committee for recommendation through the Academic Board that Senate approve:

(1) the proposal from the Faculty of Health Sciences for the introduction in 2002 of the new courses, Master of Health Science (Developmental Disability) and Graduate Certificate of Health Science (Developmental Disability);

(2) the amendment of the Resolutions of the Senate relating to the Degrees, Diplomas and Certificates in the Faculty of Health Sciences, with effect from 1 January 2002, as set out in the report presented; and

(3) the adoption of the Resolutions of the Senate relating to the above courses, with effect from 1 January 2002, as set out in the report presented.

(5) Faculty of Health Sciences: Master of Applied Science ***(pages 39-40)***

The Sub-Committee considered a proposal from the Faculty of Health Sciences for the introduction in 2002 of the amendment of the Resolutions of the Senate relating to the Master of Applied Science.

The proposed amendment was to clarify that the degree of Master of Applied Science may be taken as a generic degree, or in an appropriate cognate field, as specified. The Master of Applied Science offered by the Faculty of Health Sciences was a research masters and the Master of Health Sciences was coursework based.

The full proposal was available on the web at:
http://www.usyd.edu.au/su/ab/committees/CworkSC/meetings01.html

Dr B Adamson was present for the discussion of the proposal.

The Sub-Committee noted in discussion:

- the faculty had previously considered introducing an MPhil, but felt that the Master of Applied Science – research and Master of Health Sciences – coursework were sufficient;
- currently some cognate streams were not specified on the testamur;
- the current Resolutions allowed the faculty to require a candidate who had not completed an Honours degree to undertake preliminary study.

Recommendation
That the Sub-Committee commend the proposal to the Graduate Studies Committee for recommendation through the Academic Board that Senate approve the

amendment of the Resolutions of the Senate relating to the master's degrees in the Faculty of Health Sciences, with effect from 1 January 2002, as set out in the report presented.

(6) Faculty of Health Sciences: Master of Health Science (Indigenous Community Health), Graduate Diploma of Health Science (Indigenous Community Health) and Graduate Certificate of Health Science (Indigenous Community Health)

The Sub-Committee considered a proposal from the Faculty of Health Sciences for amendment to the postgraduate coursework program in Indigenous Community Health, with effect from 1 January 2002.

The proposed amendment was to change the duration of the master's degree and graduate diploma, reduce the number of core units of study for the master's degree, graduate diploma and graduate certificate and allow the award of the master's degree and graduate diploma in professional streams.

The full proposal was available on the web at:
http://www.usyd.edu.au/su/ab/committees/CworkSC/meetings01.html

Dr Angela Dawson was present for discussion of the proposal.

The Sub-Committee noted in discussion:

- the faculty had reviewed the programs and wished to ensure consistency with other graduate programs by reducing the credit points required;
- graduate with merit would be new to the Master's program;
- while students may be able to study a subject area for the Graduate Diploma, the stream would not be able to be printed on the testamur.

Dr Dawson agreed that the stream studied for the Graduate Diploma would not be printed on the testamur.

Recommendation

That the Committee recommend through the Academic Board that Senate approve:

(1) the change in the duration of Master of Health Science (Indigenous Community Health) and Graduate Diploma of Health Science (Indigenous Community Health); and

(2) the adoption of professional streams in the Master of Health Science (Indigenous Community Health) and Graduate Diploma of Health Science (Indigenous Community Health), with effect from 1 January 2002, as set out in the report presented.

(7) Faculty of Health Sciences: Graduate Certificate of Health Science (Casemix)

The Sub-Committee considered a proposal from the Faculty of Health Sciences for the amendment to the Graduate Certificate of Health Science (Casemix), with effect from 1 January 2002.

The School of Health Information Management proposed to alter the mode of delivery of the existing Graduate Certificate of Health Science (Casemix) from on-campus to off-campus from 1 January 2002.

The proposed amendment to the delivery of the course reflected changes in NSW funding of the health sector and would ensure the course continues to meet the educational needs of participants.

The full proposal was available on the web at:
http://www.usyd.edu.au/su/ab/committees/CworkSC/meetings01.html

Dr B Adamson was present for discussion of the proposal.

The Sub-Committee noted that there appeared to be some confusion about whether this was an additional or alternate mode of delivery for the program.

Recommendation
That the Sub-Committee commend the proposal to the Graduate Studies Committee for recommendation to the Academic Board that the Board approve the additional mode of delivery for the Graduate Certificate of Health Science (Casemix), with effect from 1 January 2002.

Subsequent to the meeting, the Chair has been advised that the intention is to allow for both modes of delivery, ie this is a proposal to allow off-campus delivery as well as the existing on-campus delivery.

3. Proceedings of the Sub-Committee

(1) Report of the Chair

On behalf of the Sub-Committee the Chair welcomed Mr Kristin Barlow (SUPRA President) to the meeting.

(2) Proposals for new and amended courses still under consideration

The Sub-Committee discussed proposals from the Faculty of Nursing for the introduction of a Graduate Certificate in Nursing (Health Services), the Faculty of Health Sciences for the introduction of a Master of Physiotherapy and the Faculty of Engineering for the introduction of a Graduate Certificate in Automation in Field Robotics and agreed to consider these proposals further at the next meeting once additional information or clarification was provided.

(3) Services offered to students after 4.30pm

The Sub-Committee noted that work continued in regard to identifying services offered to students after 4.30pm.

Amendment of the Resolutions of the Senate and adoption of new Resolutions

Resolutions of the Senate

Faculty of Engineering

Degrees, Diplomas and Certificates in the Faculty Of Engineering
The Resolutions of the Senate relating to the Degrees, Diplomas and Certificates in the Faculty of Engineering (p259, *Calendar 2001, as amended)* are to be amended from 1 January 2002 to the following effect:
Section 1 relating to the degrees in the Faculty of Engineering is amended by adding the following new entry:
Master of Automation in Field Robotics (MAFR)
and the subsequent re-numbering of the section

Section 2 relating to the diplomas in the Faculty of Engineering is amended by adding the following new entry:
Graduate Diploma in Automation in Field Robotics (GradDipAFR)
and the subsequent re-numbering of the section

Master of Automation in Field Robotics (MAFR)
Graduate Diploma in Automation in Field Robotics (GradDiplAFR)
The following new Resolutions of the Senate relating to the Master of Automation in Field Robotics and Graduate Diploma in Automation in Field Robotics are adopted from 1 January 2002.

Award of the degree/graduate diploma in Automation in Field Robotics
1. The Master of Automation in Field Robotics (MARF) and Graduate Diploma in Automation in Field Robotics (GradDipAFR) shall be awarded in one grade, namely Pass.

MASTER OF AUTOMATION IN FIELD ROBOTICS
Eligibility for admission
2. Admission to candidature for the Master of Automation in Field Robotics may be granted:
   (1) to an applicant who has completed the requirements for a degree of Bachelor of the University of Sydney; or
   (2) to a graduate of another university or tertiary institution; or
   (3) to any applicant who furnishes evidence which satisfies the Faculty that the person is qualified to enter upon the prescribed units of study in the subject matter of the degree concerned. Achievement of at least Credit average (65% weighted average mark, WAM) in the Graduate Diploma in Automation in Field Robotics is considered sufficient qualifications for admission to candidature for the Master of Automation in Field Robotics.

Availability
3. Admission to the degree may be limited by quota.
   (1) In determining the quota the University will take into account:
      (a) availability of resources, including space, library, equipment and computing facilities; and
      (b) availability of adequate and appropriate supervision.
   (2) In considering an application for admission to candidature the Faculty will take account of any quota and will select in preference applicants who are most meritorious in terms of past academic and professional achievements.

Method of progression
4. A candidate for the Master of Automation in Field Robotics shall proceed primarily by coursework.

Time limits

5. A candidate shall complete the requirements of the Master of Automation in Field Robotics within a minimum length of candidature of 12 months and a maximum length of candidature of 48 months. This period excludes the periods during which the candidature is deferred and is shorter when credit for prior learning is granted. However under no circumstances can the candidature period be less than 12 months.

Credit

6. A candidate who before admission to candidature has spent time in advanced study in the University of Sydney or in another university or institution and has completed work considered by the Faculty to be equivalent to units of study prescribed for the Master of Automation in Field Robotics, may receive credit towards satisfying the requirements for the Master of Automation in Field Robotics, provided that no more than half the requirements are so met.

Requirements for the Master of Automation in Field Robotics

7. A candidate shall complete such units of study and such essay or other written work as may be prescribed by the Department. For the Master of Automation in Field Robotics 48 credit points are required to be completed from Table 1.
8. A candidate may undertake some or all of his or her studies in approved distance and or off-campus study provided that University staff are able to give adequate direction to the candidate's work and that the candidate carries out such work under the control of the University.

Examination

9. A candidate may be tested by written and oral examination, assignments, exercises and practical work or any combination of these.
10. On completion of the requirements for the Master of Automation in Field Robotics the results of the examination shall be reported to the Faculty which shall determine the result of the candidature.

Progress

11. The Faculty may call upon any candidate to show cause why that candidature should not be terminated by reason of unsatisfactory progress towards completion of the Master of Automation in Field Robotics. Where, in the opinion of the Faculty, the candidate does not show good cause, the candidature may be terminated.

GRADUATE DIPLOMA IN AUTOMATION IN FIELD ROBOTICS

Eligibility for admission

12. Admission to candidature for the Graduate Diploma in Automation in Field Robotics may be granted:
    (1) to an applicant who has completed the requirements for a degree of bachelor of the University of Sydney; or
    (2) to a graduate of another university or tertiary institution; or
    (3) to any applicant who furnishes evidence which satisfies the Faculty that the person is qualified to enter upon the prescribed units of study in the subject matter of the Graduate Diploma concerned.

Availability

13. Admission to the Graduate Diploma in Automation in Field Robotics may be limited by quota.
    (1) In determining the quota the University will take into account:
        (a) availability of resources, including space, library, equipment and computing facilities; and
        (b) availability of adequate and appropriate supervision.

(2) In considering an application for admission to candidature the Faculty will take account of the quota and will select in preference applicants who are most meritorious in terms of past academic and professional achievements.

Method of progression

14. A candidate for a Graduate Diploma in Automation in Field Robotics shall proceed primarily by coursework.

Time limits

15. A candidate shall complete the requirements of the Graduate Diploma in Automation in Field Robotics within a minimum length of candidature of 12 months and a maximum length of candidature of 36 months. This period excludes the periods during which the candidature is deferred and is shorter when credit for prior learning is granted. However under no circumstances can the candidature period be less than 12 months.

Credit

16. A candidate who before admission to candidature has spent time in advanced study in the University of Sydney or in another university or institution and has completed work considered by the Faculty to be equivalent to units of study prescribed for the Graduate Diploma in Automation in Field Robotics, may receive credit towards satisfying the requirements for the Graduate Diploma in Automation in Field Robotics, provided that no more than half the requirements are so met.

Requirements for the Graduate Diploma in Automation in Field Robotics

17. A candidate shall complete such units of study and such essay or other written work as may be prescribed by the Faculty. For the Graduate Diploma in Automation in Field Robotics 36 credit points are required to be completed from Table 1.
18. A candidate may undertake some or all of his or her studies in approved distance and or off-campus study provided that University staff are able to give adequate direction to the candidate's work and that the candidate carries out such work under the control of the University.

Examination

19. A candidate may be tested by written and oral examination, assignments, exercises and practical work or any combination of these.
20. On completion of the requirements for the Graduate Diploma in Automation in Field Robotics the results of the examination shall be reported to the Faculty which shall determine the result of the candidature.

Progress

21. The Faculty may call upon any candidate to show cause why that candidature should not be terminated by reason of unsatisfactory progress towards completion of the Graduate Diploma in Automation in Field Robotics. Where, in the opinion of the Faculty, the candidate does not show good cause, the candidature may be terminated.

Resolutions of the Senate

Faculty of Science

Degrees, Graduate Diplomas and Graduate Certificates in the Faculty Of Science
The Resolutions of the Senate relating to the Degrees, Graduate Diplomas and Graduate Certificates in the Faculty of Science (p337, *Calendar 2001)* are to be amended from 1 January 2002 to the following effect:
Section 1 relating to the degrees in the Faculty of Science is amended by adding the following new entry:

Master of Environmental Science and Law

and the subsequent re-numbering of the section

Master of Environmental Science and Law
The following new Resolutions of the Senate relating to the Master of Environmental Science and Law are adopted from 1 January 2002.

Eligibility for admission

1. The Dean of the Faculty of Science may admit to candidature:
   (1) graduates of the University of Sydney holding the degree of Bachelor of Science or Bachelor of Laws.
   (2) graduates of other universities or other appropriate institutions who have qualifications equivalent to those specified in subsection (1)

Availability

2. (1) Admission to candidature may be limited by a quota. In determining the quota, the Dean will take into account:
      (a) availability of resources including space, laboratory and computing facilities; and
      (b) availability of adequate and appropriate supervision.
   (2) In considering an application for admission to candidature the Dean shall take account of the quota and will select, in preference, applicants who are most meritorious in terms of section 1 above.

Availability of Units of Study

3. All units of study for a particular subject area may not be available every semester. The Dean may allow substitution of any unit of study by another unit of study, including units of study from other postgraduate coursework programs in the Faculties of Science and Law, or elsewhere in the University.

Time limits

4. A candidate may proceed on either a full-time, or a part-time basis.
5. A candidate for the Master of Environmental Science and Law shall complete the requirements for the award in a minimum of two semesters and a maximum of ten semesters, and except with permission of the Faculty within six calendar years of admission to candidature.

Authority of the Deans

6. The Deans of Science and Law shall jointly exercise authority in any matter concerning the course not otherwise dealt with in these resolutions.

Faculty Resolutions

Faculty of Science

Master of Environmental Science and Law
The following new Faculty Resolutions relating to the Master of Environmental Science and Law are adopted from 1 January 2002.

Requirements for the degree
1. Candidates for the Master of Environmental Science and Law are required to complete satisfactorily 48 credit points selected from units of study approved by the Faculties of Science and Law including:
   (1) A core unit of study (LAWS6044)
   (2) A minimum of 24 credit points selected from units of study offered by each Faculty.

Examination
2. On completion of the requirements for the degree, the Dean shall determine the results of the candidature.

Progress
3. The Dean may
   (1) call upon any candidate to show cause why that candidature should not be terminated by reason of unsatisfactory progress towards completion of the degree; and
   (2) where the candidate does not show good cause, terminate the candidature.

Credit
4. A candidate who, before admission to candidature, has spent time in graduate study and, within the previous three years, has completed coursework considered by the Faculty to be equivalent to units of study prescribed for the degree, may receive credit of up to 12 credit points towards the requirements for the degree of Masters of Environmental Science and Law.

Course Requirements
5. To qualify for award of the Master of Environmental Science and Law candidates must complete 48 credit points of units of study approved for the relevant field of study, 24 credit points from the Faculty of Science and 24 credit points from the Faculty of Law.

Resolutions of the Senate

Faculty of Health Sciences

MASTER'S DEGREES
The Resolutions of the Senate relating to Master's degrees in the Faculty of Health Sciences (pp280-282, *Calendar 2001)* are to be amended from 1 January 2002 to the following effect:

Sections 1(1) and 1(2) relating to subject areas for the degree of Master of Applied Science and Master of Health Science in the Faculty of Health Sciences is amended as indicated (additions indicated by underlining, deletions indicated by strikethrough). Section 3 relating to the combined Masters degree in the Faculty of Health Sciences is added with the subsequent re-numbering of the remaining sections:

MASTER'S DEGREES
Subject areas

1. (1) The degree of Master of Applied Science may be taken as
   - (a) a generic degree offered by the Faculty of Health Science in appropriate cognate fields of
   - (b) within the schools in the following subject areas:
     - (i) Behavioural Science
     - (ii) Biomedical Sciences
     - (iii) Communication Sciences & Disorders
     - (iv) Education
     - (v) Exercise and Sport Science
     - (vi) Gerontology
     - (vii) Health Information Management
     - (viii) Indigenous Community Health
     - (ix) Medical Radiation Sciences
     - (x) Occupational Therapy
     - (xi) Orthoptics
     - (xii) Physiotherapy
     - (xiii) Rehabilitation
     - (xiv) Rehabilitation Counselling
     - (xv) Stuttering
     - (xvi) Voice

   (2) The degree of Master of Health Science may be awarded in the grade of Pass degree or Honours degree in the following subject areas:
   - (i) Behavioural Science
   - (ii) Cardiopulmonary Physiotherapy
   - (iii) Child and Adolescent Health
   - (iv) Clinical Data Management
   - (v) Community Health
   - (vi) Development Disability
   - (vii)~~(vi)~~ Education
   - (viii)~~(vii)~~ Exercise and Sport Science
   - (ix)~~(viii)~~ Gerontology
   - (x)~~(ix)~~ Health Informatics
   - (xi)~~(x)~~ Indigenous Community Health
   - (xii)~~(xi)~~ Management
   - (xiii)~~(xii)~~ Manipulative Physiotherapy
   - (xiv)~~(xiii)~~ Medical Radiations Sciences
   - (xv)~~(xiv)~~ Medical Sonography
   - (xvi)~~(xv)~~ Neurological Physiotherapy
   - (xvii)~~(xvi)~~ Occupational Therapy
   - (xviii)~~(xvii)~~ Paediatric Physiotherapy

(xix)~~(xviii)~~ Physiotherapy
(xx)~~(xix)~~ Speech-Language Pathology
(xxi)~~(xx)~~ Sports Physiotherapy

(3) The combined Masters degree in the Faculty of Health Science is:
(i) Master of Health Science (Sports Physiotherapy) and Master of Health Science (Manipulative Physiotherapy)

(4)~~(3)~~ The degree of Master may be awarded in the grade of Pass degree or Honours degree in the following subject areas:
(i) Health Information Management
(ii) Occupational Therapy
(iii) Rehabilitation Counselling

(5)~~(4)~~ The degree of Master may be awarded in the following subject areas:
(i) Communication Disorders

GRADUATE DIPLOMAS AND GRADUATE CERTIFICATES

The Resolutions of the Senate relating to Graduate Diplomas and Graduate Certificates in the Faculty of Health Sciences (pp285-286, *Calendar 2001)* are to be amended from 1 January 2002 to the following effect:

Section 1(3) relating to subject areas for the Graduate Certificate of Health Science in the Faculty of Health Sciences is amended as follows: (additions indicated by underlining, deletions indicated by strikethrough)

GRADUATE DIPLOMAS AND GRADUATE CERTIFICATES

Subject areas

1. (3) The Graduate Certificate of Health Science may be taken in the following areas:
(i) Behavioural Science
(ii) Casemix
(iii) Child and Adolescent Health
(iv) Clinical Data Management
(v) Developmental Disability
(vi)~~(v)~~ Education
(vii)~~(vi)~~ Exercise and Sports Science
(viii)~~(vii)~~ Indigenous Community Health
(ix)~~(viii)~~ Medical Radiation Sciences
(x)~~(ix)~~ Medical Sonography
(xi)~~(x)~~ Occupational Therapy
(xii)~~(xi)~~ Physiotherapy
(xiii)~~(xii)~~ Vision Impairment