

HIV, STIs and Sexual Health

Graduate Diploma in HIV, STIs & Sexual Health

(GradDipHSSH) KF069

Master of HIV, STIs & Sexual Health

(MHSSH) KC097

Master of HIV, STIs & Sexual Health and Master of Philosophy

(MHSSH/MPhil) KC098 for AusAID students, KC097 and KC083 for all other students

Course	Credit points for award	Duration full-time	Duration part-time
GradDipHSSH	36	1 year	1.5 to 3 years
MHSSH	48	1 year	1.5 to 6 years
MHSSH/MPhil	48 + research thesis (48)	2 years	as per individual resolutions

Overview

The Master of HIV, STIs & Sexual Health provides a comprehensive, evidence-based, inter-professional and research-intensive learning experience that meets the needs of Australian and international students working in a range of disciplines related to HIV, STIs and Sexual Health. It also creates opportunities to seamlessly transition to research candidature.

Human Immunodeficiency Virus (HIV) and other Sexually Transmitted Infections (STIs) are major public health concerns in both developed and developing countries, with millions of adults and children becoming infected each year. Effective prevention, diagnosis, management and surveillance of HIV and STIs require a thorough understanding of issues such as microbiology, immunology, diagnostics, therapeutics, harm reduction strategies and program delivery. Optimum delivery of such services needs to be on a sound basis of holistic concepts of sexual health, sexuality, sexual function, sexual abuse, sex education and reproductive health.

Core units of study provide professionals with foundational competence in medicine, nursing, laboratory, counseling and public health streams. An additional wide range of electives creates opportunities for candidates to explore related areas of interest. Furthermore, the cross-professional structure encourages candidates to develop effective multidisciplinary collaborative approaches and prepares them for work in a wide variety of healthcare settings.

All units of study are founded on evidence-based practice and focus strongly on critical review of recent literature. Upon successful completion of their coursework, strong candidates are encouraged to proceed to a research degree.

Course Outcomes

Graduates will have opportunities to:

- Develop high levels of knowledge and appropriate skills in dealing with the social contexts, effective prevention strategies and management techniques for HIV, STIs and other Sexual Health issues.
- Learn to work collaboratively in multidisciplinary teams on the practical challenges faced by professionals working in these areas.
- Acquire skills recognised as essential components in the professional training of a variety of disciplines related to the medical, nursing, counselling, laboratory & public health streams.

- Learn to critically evaluate relevant research publications and contribute to the growing body of evidence-based, effective interventions.

Further Information

The program is offered as either a coursework-only master's degree or as a double degree with the coursework-only master's degree followed by a research master's degree. Information on the Master of Philosophy is available in the Postgraduate Research Studies chapter.

To qualify for the coursework only degrees, students must complete coursework and clinical or laboratory assignments equivalent to 36 credit points (cp) to qualify for the award of the Graduate Diploma in HIV, STIs & Sexual Health or 48 credit points (cp) to qualify for the Master of HIV, STIs & Sexual Health in one of the following streams:

- Clinical Medicine
- Counselling
- Laboratory
- Nursing
- Public Health

Students are required to attend lectures and tutorials and undertake field visits to laboratory and clinical areas. While lectures take place at the University of Sydney Camperdown Campus and at Westmead Hospital, clinical and laboratory experience occurs at a variety of locations throughout Sydney. An increasing proportion of the course is being made available online. Assessment is by written examination, oral presentations, written assignments, multiple choice examinations, online discussions and placement reports.

Double Degree Students

The Master of HIV, STIs & Sexual Health and Master of Philosophy double degree is a coursework master's degree combined with a master's degree in research. The coursework degree emphasis is on the importance of the clinical, laboratory, public health and behavioural aspects of sexual health. Candidates complete the coursework component with a satisfactory result before proceeding to the research component of the double degree. The research project will be completed under the guidance of a supervisor.

Admission to candidature will be conditional upon the appointment of an appropriate supervisor and associate supervisor.

The double degree KC098 is only available to AusAID students and places will be offered to qualified applicants according to the admissions criteria. In exceptional circumstances the dean may admit applicants without these qualifications who, in the opinion of the school, have qualifications and evidence of experience and achievement sufficient to successfully undertake the award.

Other international and local applicants who wish to enrol in the double degree should apply for admission to KC097 Master of HIV, STIs & Sexual Health and KC083 Master of Philosophy. Information about the MPhil can be found in the Postgraduate Research Studies chapter.



Those students enrolled in the double degree will be required to have found a supervisor for their research degree and to submit a full research proposal for their MPhil by the end of the second semester of enrolment. In order to progress to the Master of Philosophy, students must complete the Master of HIV, STIs & Sexual Health coursework component with a weighted average mark of at least 65 per cent across all 48 CP of coursework units and enrol in the additional core units of study .

Students who have not submitted their thesis by the end of their first year of enrolment must re-enrol every semester, with the associated financial cost, until they submit their thesis.

Information for students on AusAID scholarships is provided at the end of this chapter.

Degree Resolutions

Sydney Medical School resolutions and the printed handbook are the official statement of Faculty policy. The resolutions contained in the printed handbook are accurate as at August 2011. If a conflict is perceived between the content of the printed handbook and information available elsewhere, Sydney Medical School resolutions and the information available in the handbook online shall always take precedence. See the handbook online website:

<http://sydney.edu.au/handbooks/medicine/>

See the Policy Online website: <http://sydney.edu.au/policy>, for copies of University policies.

Graduate Diploma in HIV, STIs and Sexual Health

Master of HIV, STIs and Sexual Health

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 2010 (the 'Coursework Rule'), 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.

Course Resolutions

1 Course codes

Code	Course title
KF069	Graduate Diploma in HIV, STIs and Sexual Health
KC097	Master of HIV, STIs and Sexual Health

2 Attendance pattern

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

3 Master's type

The masters degrees in these resolutions are professional master's courses, as defined by the Coursework Rule.

4 Embedded courses in this sequence

- (1) The embedded courses in this sequence are:
 - (a) Graduate Diploma in HIV, STIs and Sexual Health
 - (b) Master of HIV, STIs and Sexual Health
- (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 Streams

- (1) Master of HIV, STIs and Sexual Health is available in the following streams:
 - (a) Clinical Medicine
 - (b) Counselling
 - (c) Laboratory
 - (d) Nursing
 - (e) Public Health
- (2) Candidates may transfer between streams with approval from Head of Discipline.
- (3) The degree of Master of HIV, STIs and Sexual Health shall be awarded in the stream in which the candidate enrolls. The testamur for the degree shall specify the stream.

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 the Graduate Diploma in HIV, STIs and Sexual Health requires:
 - a Bachelor of Medicine and Bachelor of Surgery of the University of Sydney or equivalent qualification;
 - or
 - a bachelor's degree from the University of Sydney or equivalent qualification and a minimum of 12 months research or work experience in the field or pass a preliminary examinations(s) as prescribed by the faculty.
- (3) Admission to the Master of HIV, STIs and Sexual Health requires:
 - A master's degree;
 - or
 - a Bachelor of Medicine and Bachelor of Surgery of the University of Sydney or equivalent qualification;
 - or
 - a bachelor's degree with first or second class honours from the University of Sydney or equivalent qualification;
 - or
 - a bachelor's degree from the University of Sydney or equivalent qualification and a minimum of 12 months research or work experience in the field or pass a preliminary examinations(s) as prescribed by the faculty;
 - or
 - completion of the requirements of the embedded graduate diploma in this discipline, or qualifications deemed by the faculty to be equivalent.

7 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: HIV, STIs and Sexual Health.
- (2) To qualify for the award of the graduate diploma a candidate must successfully complete 36 credit points, including:
 - (a) 6 credit points of core units of study;
 - (b) 24 credit points of stream specific core units of study; and
 - (c) 6 credit points of stream specific elective units of study.
- (3) To qualify for the award of the master's degree a candidate must successfully complete 48 credit points, including:
 - (a) 12 credit points of core units of study;
 - (b) 24 credit points of stream-specific core units of study; and
 - (c) 12 credit points of stream specific elective units of study.

Master of HIV, STIs and Sexual Health/Master of Philosophy

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 2010 (the 'Coursework Rule'), 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.

Course Resolutions

1 Course codes

Code	Course title
KC098	Master of HIV, STIs and Sexual Health/Master of Philosophy (for AusAID candidates only)

2 Attendance pattern

The attendance pattern for this course 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 Rule.

4 Streams

- (1) Master of HIV, STIs and Sexual Health is available in the following streams:
 - (a) Clinical Medicine
 - (b) Counselling
 - (c) Laboratory
 - (d) Nursing
 - (e) Public Health
- (2) Candidates may transfer between streams with approval from Head of Discipline.
- (3) The degree of Master of HIV, STIs and Sexual Health/Master of Philosophy shall be awarded in the stream in which the candidate enrolls. The testamur for the degree shall specify the stream.

5 Admission to candidature

- (1) This double degree is only available to AusAID students and places will be offered to qualified applicants 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, evidence of experience and achievement sufficient to successfully undertake the award. Domestic applicants should apply for admission to KC097 Master of HIV, STIs and Sexual Health and KC083 Master of Philosophy.
- (2) Admission to the Master of HIV, STIs and Sexual Health/Master of Philosophy requires:
 - a master's degree;

or
 a Bachelor of Medicine and Bachelor from Surgery of the University of Sydney or equivalent qualification;
 or
 A bachelor's degree with first or second class honours from the University of Sydney or equivalent qualification;
 or
 a bachelor's degree from the University of Sydney or equivalent qualification and a minimum of 12 months research or work experience in the field or pass a preliminary examinations(s) as prescribed by the faculty.

- (3) Admission to candidature will be conditional upon the appointment of an appropriate supervisor and associate supervisor.

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: HIV, Sexually Transmitted Infections and Sexual Health.
- (2) To qualify for the award of the double degree candidates must successfully complete 48 credit points for the award of the Master of HIV, STIs and Sexual Health, including:
 - (a) 12 credit points of core units of study;
and
 - (b) a minimum of 6 and a maximum of 12 credit points of additional core units of study for the double degree;
and
 - (c) 24 credit points of stream-specific core units of study
or
24 credit points of stream specific core units and 6 credit points of stream specific elective units of study;
and
 - (d) fulfil the requirements for award of the Master of Philosophy and enrol in 48 credit points of research units of study.

7 Progression Rules

Before progressing to the Master of Philosophy, candidates must:

- (a) complete the requirements of the Master of HIV, STIs and Sexual Health with an average mark of at least 65 per cent;
- (b) successfully complete the additional core units of study for the double degree;
- (c) submit a research proposal which will detail a course of advanced study and research;
and
- (d) gain approval from the Course Coordinator.

8 Course transfer

- (1) A candidate may abandon the double degree and elect to complete the Graduate Diploma in HIV, STIs and Sexual Health or Master of HIV, STIs and Sexual Health in accordance with the resolutions governing that degree.
- (2) A candidate may apply to transfer from the Master of Philosophy in the double degree, to the Doctor of Philosophy with credit. Successful candidates shall cease to be a candidate for the double degree and elect to complete the Master of HIV, STIs & Sexual Health in accordance with the resolutions governing that degree.

Table of Units of Study: HIV, STIs & Sexual Health

Unit of study	Credit points	A: Assumed knowledge	P: Prerequisites	C: Corequisites	N: Prohibition	Session
Core Units						
SEXH5401 Introduction-HIV,STIs and Sexual Health	6					Semester 1

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
Additional Core Units for the master's degree			
SEXH5406 Professional Placement	6	P SEXH5401	Semester 2
Additional Core Units for International candidates enrolled in the double degree			
Public Health stream candidates must complete at least one of the following units:			
HPOL5000 Introduction to Health Policy	6		Semester 1
MIPH5131 Foundations of International Health	6		Semester 1
All other double degree candidates must complete at least one of the following units:			
MEDF5005 Health Research Methods and Ethics	6		Semester 1 Semester 2
NURS5069 Research in Nursing and Health Care	6		Semester 1
Stream Core Units			
Clinical Medicine Stream			
SEXH5200 Advanced STIs	6		Semester 1
SEXH5206 Diagnostic Methods in Sexual Health	6	<i>Note: Department permission required for enrolment Students who are not enrolled in the HIV,STIs and Sexual Health programs offered through Sydney Medical School must apply to Associate Professor Richard Hillman for permission to enrol in this unit of study.</i>	Semester 1
SEXH5008 Sex and Society	2	<i>AusAID students must enrol in the face-to-face version</i>	Semester 2b
SEXH5101 Public Health Aspects of STDs	2	<i>AusAID students must enrol in the face-to-face version.</i>	Semester 2a
SEXH5102 Public Health Aspects of HIV/AIDS	2	<i>AusAID students must enrol in the face-to-face version</i>	Semester 2b
SEXH5202 Advanced HIV Infection	6		Semester 2
Counselling Stream			
SEXH5402 Counselling in Sexual Health 1	6	N BIOS5071	Semester 1
SEXH5403 Counselling in Sexual Health 2	6	P SEXH5402 and SEXH5404 N BIOS5072	Semester 2
SEXH5404 Sexual Function and Dysfunction	6	P SEXH5401	Semester 1
SEXH5407 Sex Gender and Sexuality	6		Semester 2
Laboratory Stream			
SEXH5200 Advanced STIs	6		Semester 1
SEXH5206 Diagnostic Methods in Sexual Health	6	<i>Note: Department permission required for enrolment Students who are not enrolled in the HIV,STIs and Sexual Health programs offered through Sydney Medical School must apply to Associate Professor Richard Hillman for permission to enrol in this unit of study.</i>	Semester 1
SEXH5008 Sex and Society	2	<i>AusAID students must enrol in the face-to-face version</i>	Semester 2b
SEXH5101 Public Health Aspects of STDs	2	<i>AusAID students must enrol in the face-to-face version.</i>	Semester 2a
SEXH5102 Public Health Aspects of HIV/AIDS	2	<i>AusAID students must enrol in the face-to-face version</i>	Semester 2b
SEXH5202 Advanced HIV Infection	6		Semester 2
Nursing Stream			
SEXH5200 Advanced STIs	6		Semester 1
SEXH5206 Diagnostic Methods in Sexual Health	6	<i>Note: Department permission required for enrolment Students who are not enrolled in the HIV,STIs and Sexual Health programs offered through Sydney Medical School must apply to Associate Professor Richard Hillman for permission to enrol in this unit of study.</i>	Semester 1
SEXH5008 Sex and Society	2	<i>AusAID students must enrol in the face-to-face version</i>	Semester 2b
SEXH5101 Public Health Aspects of STDs	2	<i>AusAID students must enrol in the face-to-face version.</i>	Semester 2a
SEXH5102 Public Health Aspects of HIV/AIDS	2	<i>AusAID students must enrol in the face-to-face version</i>	Semester 2b

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
SEXH5202 Advanced HIV Infection	6		Semester 2
Public Health Stream			
MIPH5118 Global Perspectives of HIV/AIDS	4		Semester 2b
PUBH5010 Epidemiology Methods and Uses	6	N BSTA5011	Semester 1
PUBH5018 Introductory Biostatistics	6		Semester 1
SEXH5008 Sex and Society	2	<i>AusAID students must enrol in the face-to-face version</i>	Semester 2b
SEXH5101 Public Health Aspects of STDs	2	<i>AusAID students must enrol in the face-to-face version.</i>	Semester 2a
SEXH5102 Public Health Aspects of HIV/AIDS	2	<i>AusAID students must enrol in the face-to-face version</i>	Semester 2b
SEXH5408 HIV/STI Program Delivery	2	C MIPH5118 N MIPH5129	Semester 2
Stream Specific Elective Units			
Clinical Medicine Stream			
MDED5002 Scholarship in Teaching	6		Semester 1
MIPH5116 Culture, Health, Illness and Medicine	4	<i>Departmental permission is required.</i>	Semester 1 Semester 2
MIPH5118 Global Perspectives of HIV/AIDS	4		Semester 2b
MIPH5135 Health Systems in Developing Countries	4		Semester 2
PUBH5010 Epidemiology Methods and Uses	6	N BSTA5011	Semester 1
PUBH5018 Introductory Biostatistics	6		Semester 1
PUBH5113 International Health	4		Semester 2
SEXH5205 Advanced Adolescent Sexual Health	6		Semester 2
SEXH5402 Counselling in Sexual Health 1	6	N BIOS5071	Semester 1
SEXH5403 Counselling in Sexual Health 2	6	P SEXH5402 and SEXH5404 N BIOS5072	Semester 2
SEXH5404 Sexual Function and Dysfunction	6	P SEXH5401	Semester 1
SEXH5405 Contraception and Reproductive Health	6	A Basic biology	Semester 2
SEXH5407 Sex Gender and Sexuality	6		Semester 2
SEXH5408 HIV/STI Program Delivery	2	C MIPH5118 N MIPH5129	Semester 2
SEXH5409 Adult Sexual Assault	6		Semester 1
Counselling Stream			
MDED5002 Scholarship in Teaching	6		Semester 1
MIPH5118 Global Perspectives of HIV/AIDS	4		Semester 2b
PUBH5010 Epidemiology Methods and Uses	6	N BSTA5011	Semester 1
PUBH5018 Introductory Biostatistics	6		Semester 1
SEXH5008 Sex and Society	2	<i>AusAID students must enrol in the face-to-face version</i>	Semester 2b
SEXH5101 Public Health Aspects of STDs	2	<i>AusAID students must enrol in the face-to-face version.</i>	Semester 2a
SEXH5102 Public Health Aspects of HIV/AIDS	2	<i>AusAID students must enrol in the face-to-face version</i>	Semester 2b
SEXH5205 Advanced Adolescent Sexual Health	6		Semester 2
SEXH5405 Contraception and Reproductive Health	6	A Basic biology	Semester 2

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
SEXH5408 HIV/STI Program Delivery	2	C MIPH5118 N MIPH5129	Semester 2
SEXH5409 Adult Sexual Assault	6		Semester 1
Laboratory Stream			
INIM5001 Fundamental Immunology	6	A Basic immunology	Semester 1
INIM5002 Virology and Cell Technology	6		Semester 2
INIM5011 Advanced Medical Bacteriology	6	A Basic Microbiology	Semester 1
MDED5002 Scholarship in Teaching	6		Semester 1
MIPH5116 Culture, Health, Illness and Medicine	4	<i>Departmental permission is required.</i>	Semester 1 Semester 2
MIPH5118 Global Perspectives of HIV/AIDS	4		Semester 2b
MIPH5135 Health Systems in Developing Countries	4		Semester 2
PUBH5010 Epidemiology Methods and Uses	6	N BSTA5011	Semester 1
PUBH5018 Introductory Biostatistics	6		Semester 1
PUBH5113 International Health	4		Semester 2
SEXH5408 HIV/STI Program Delivery	2	C MIPH5118 N MIPH5129	Semester 2
Nursing Stream			
MDED5002 Scholarship in Teaching	6		Semester 1
MIPH5116 Culture, Health, Illness and Medicine	4	<i>Departmental permission is required.</i>	Semester 1 Semester 2
MIPH5118 Global Perspectives of HIV/AIDS	4		Semester 2b
MIPH5135 Health Systems in Developing Countries	4		Semester 2
NURS5069 Research in Nursing and Health Care	6		Semester 1
NURS5071 Strengthening Nursing Leadership	6		Semester 2
PUBH5010 Epidemiology Methods and Uses	6	N BSTA5011	Semester 1
PUBH5018 Introductory Biostatistics	6		Semester 1
PUBH5113 International Health	4		Semester 2
SEXH5205 Advanced Adolescent Sexual Health	6		Semester 2
SEXH5402 Counselling in Sexual Health 1	6	N BIOS5071	Semester 1
SEXH5403 Counselling in Sexual Health 2	6	P SEXH5402 and SEXH5404 N BIOS5072	Semester 2
SEXH5404 Sexual Function and Dysfunction	6	P SEXH5401	Semester 1
SEXH5405 Contraception and Reproductive Health	6	A Basic biology	Semester 2
SEXH5407 Sex Gender and Sexuality	6		Semester 2
SEXH5408 HIV/STI Program Delivery	2	C MIPH5118 N MIPH5129	Semester 2
SEXH5409 Adult Sexual Assault	6		Semester 1
Public Health Stream			
HPOL5000 Introduction to Health Policy	6		Semester 1
MDED5002 Scholarship in Teaching	6		Semester 1
MIPH5008 Travel and Tropical Medicine	2		Int October

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
MIPH5116 Culture, Health, Illness and Medicine	4	<i>Departmental permission is required.</i>	Semester 1 Semester 2
MIPH5131 Foundations of International Health	6		Semester 1
MIPH5135 Health Systems in Developing Countries	4		Semester 2
PUBH5113 International Health	4		Semester 2
PUBH5208 Screening and Diagnostic Test Evaluation	2	P PUBH5010	Semester 2a
PUBH5414 Public Health Advocacy	2		Int Sept
SEXH5205 Advanced Adolescent Sexual Health	6		Semester 2
SEXH5405 Contraception and Reproductive Health	6	A Basic biology	Semester 2
SEXH5407 Sex Gender and Sexuality	6		Semester 2
SEXH5409 Adult Sexual Assault	6		Semester 1
Additional Core Research Units for AusAID candidates enrolled in the double degree			
Candidates must complete the following four units over the two years of the program. Specific enrolment patterns are shown below. If the candidate is not able to submit the thesis for the Master of Philosophy after two years of enrolment, they must enrol in both MEDF4003 and MEDF4004 for further semesters, with the associated cost of enrolment, until they are able to submit.			
MEDF4001 Medicine Research A	12	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
MEDF4002 Medicine Research B	12	C MEDF4001	Semester 1 Semester 2
MEDF4003 Medicine Research C	12	C MEDF4002	Semester 1 Semester 2
MEDF4004 Medicine Research D	12	C MEDF4003	Semester 1 Semester 2

Further enquiries

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AusAID Scholarship students

In order to comply with their scholarship requirements and to fulfil the requirements of the double degree, ie. 48 credit points of coursework for the coursework master's degree and the equivalent of at least one year full-time for the Master of Philosophy, students on AusAID scholarships must enrol in 48 credit points of research units of study for their Master of Philosophy as shown in the following table.

semester of enrolment	UoS codes	UoS names
1	MEDF4001 MEDF4002	Medicine A Medicine B
2	MEDF4003 MEDF4004	Medicine C Medicine D

Units of Study Descriptions for 2012

HPOL5000

Introduction to Health Policy

Credit points: 6 **Teacher/Coordinator:** Dr James Gillespie, Professor Stephen Leeder **Session:** Semester 1 **Classes:** 2 x 2-day workshops in early March and early May, online lectures and discussions **Assessment:** 1x1500word paper (25%), 1x3000word paper (50%), and online learning activities (25%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education/Intensive on Campus

This unit aims to develop a critical and comparative grasp of the theory and practice of health policy and to give an overview of the political choices and frameworks that shape policymaking. The unit explores the main structures and institutions that make health policy. Students will debate policy reform and the priorities of the current system: comparing national approaches and global influences. Case studies, a problem-based learning exercise and discussions with practitioners link theory and practice.

INIM5001

Fundamental Immunology

Credit points: 6 **Teacher/Coordinator:** Dr Scott Byrne (scott.byrne@sydney.edu.au) **Session:** Semester 1 **Classes:** 2x1hr lectures/week + 1x4hr practical class and/or tutorials or seminars/week **Assumed knowledge:** Basic immunology **Assessment:** Progressive assessment (50%) including written, practical, and oral based assessment tasks

as well as 1x 2hr formal examination (50%). **Campus:** Camperdown/Darlington
Mode of delivery: Normal (lecture/lab/tutorial) Day

Immunology is the study of defence mechanisms that protect individuals against infections and cancers. Studies in immunology are leading to advances in clinical medicine, including understanding allergies, transplant rejection, cancer and autoimmune diseases, such as rheumatoid arthritis, multiple sclerosis and insulin-dependent diabetes, as well as the development of new vaccines. This unit of study will provide an understanding of the components and functions of the immune system at the molecular and cellular level, the mechanisms of pathological immune processes and immune system dysfunction, mechanisms of immune responses to microorganisms and immunological techniques used in clinical diagnostic and research laboratories.

The unit components will be delivered so as to develop skills in problem-solving, evaluation of scientific literature, and oral and written communication. Lectures will provide an overview of the immune system and an update of fundamental facts. Problem/case-based scenarios together with invited guest/specialized lectures, hands-on practical work, literature research and group discussions ('tutorials') will provide in-depth analysis of particular chosen topics.

Textbooks

Essential reading:

Basic Immunology Functions and Disorders of the Immune System, Adul K Abbas & Andrew H Lichtman, Ed: Saunders. 3rd edition (updated edition) 2010. You should read and understand this book before progressing to more detailed textbooks.

Recommended detailed texts:

Cellular and Molecular Immunology, Abul K. Abbas, Andrew H. Lichtman, & Shiv Pillai, Ed.; Saunders. 6th edition (updated edition) 2010; Janeway's Immunobiology, Kenneth Murphy, Paul Travers & Mark Walport, Ed Garland Churchill Livingstone. 7th edition;

Immunity: The Immune Response in Infectious and Inflammatory Disease, Anthony DeFranco, Richard Locksley & Miranda Robertson. 2007 Oxford University Press;

Although these are recommended, other texts are equally sound. We suggest you discuss with the unit coordinator, Dr Scott Byrne, before making a textbook purchase.

INIM5002

Virology and Cell Technology

Credit points: 6 **Teacher/Coordinator:** A/Prof Barry Slobedman **Session:** Semester 2 **Classes:** 2x1hr lectures/week; 1x4hr practical/tutorial class/week **Assessment:** 1x2hr formal written examination (50%), 1x2h theory of practical examination (20%) and progressive assessment (30%) including oral presentation and written assignment. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit aims to equip graduates with an in-depth knowledge of medical virology and cell technology that will enable them to work effectively as laboratory personnel in relevant hospital laboratories, clinics or research institutions. Students will develop skills in evaluation of scientific literature, in problem-solving and in scientific communication that will enable them to develop careers as administrators or policy-makers in hospitals, health care organisations or government bodies. The core of the program is a series of lectures, given face-to-face and/or available online. Practical classes will focus on the identification of viruses and cell culture technology, and on techniques used in research investigations and will be conducted in an appropriately equipped student laboratory.

Textbooks

The following texts are good basic virology books and cover all the topics covered in lectures.

Basic Virology, Wagner, Hewlett, Bloom and Camerini, Blackwell Publishing, 3rd Ed, 2008

Introduction to Modern Virology, N.J Dimmock, A.J, Easton and K.N Leppard, Blackwell Publishing, 6th Ed

Principles of Molecular Virology, Alan J. Cann, Elsevier, 4th Ed, 2005.

The following two texts are more detailed and are recommended as a resource only. Principles of Virology, Flint et al., ASM Press, 2nd Ed., 2000; Medical Virology, D.E. White and Frank J. Fenner, Academic Press, 4th Ed., 1994

INIM5011

Advanced Medical Bacteriology

Credit points: 6 **Teacher/Coordinator:** Dr Jim Manos **Session:** Semester 1 **Classes:** 2x1hr lectures/week; 2x2hr practical classes or tutorials or student presentations/week **Assumed knowledge:** Basic Microbiology **Assessment:**

1x2hr closed-book (Theory), and 1x1hr closed book (Practical) Value: written examinations 70% - Theory (55%) Practical (15%), progressive assessments (30%) including class tutorial/presentations and laboratory book assessment.

Campus: Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study aims to build on the student's basic knowledge of microbiology to provide an awareness of modern concepts and the latest knowledge of medical bacteriology relevant to the susceptibility and response of the host to pathogenic bacteria, with special emphasis on the host-pathogen relationship at the cellular and molecular levels regarding symptoms, virulence factors, pathogenesis, diagnosis, treatment, control and prevention. The practical component will allow candidates to become familiar with modern molecular-based bacteriological techniques used to identify the characteristic genetic features of bacterial species that cause infections. The unit will provide the advanced scientific and intellectual basis to augment knowledge and understanding, at a postgraduate level, in a career involving medical microbiology or in a related subject area. Lectures will be used to impart knowledge and understanding as well as review key themes of the module. Tutorials will utilise activities such as journal review and topic presentation which enable develop their skills by presenting research on a range of issues including advances in knowledge on bacterial pathogenesis, identification and treatment in Australia and worldwide. The use of case studies will enable candidates to examine breakouts of disease and their investigation by the clinical laboratory. Laboratory sessions will enable students to apply the theoretical concepts of laboratory investigation at the molecular level using advanced molecular techniques of DNA, RNA and protein purification and analysis.

Textbooks

Recommended reading:

Bacterial Pathogenesis A Molecular Approach. Salyers and Whitt ASM Press Washington DC USA 2002

Bacterial-Epithelial Cross-Talk: Molecular Mechanisms in Pathogenesis Ed. Beth A McCormick Cambridge University Press UK 2006

Although these are recommended, other texts are equally sound. We suggest you discuss with the unit coordinator, Jim Manos, before making a textbook purchase

MDED5002

Scholarship in Teaching

Credit points: 6 **Teacher/Coordinator:** Koshila Kumar **Session:** Semester 1 **Classes:** The total workload for this unit of study is approximately 10 hours per week. This unit is to be delivered in a blended mode requiring attendance at face-to-face classes, followed by participation in online learning activities. **Assessment:** 2x written assignments (100%) plus formative assessments throughout the unit of study. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Evening

This unit is designed to provide health care professionals with a deeper understanding of the nature of evidence in health professional education, and the skills in analysing and synthesising this evidence to inform improvement in their own teaching and learning practices. Modules within this unit of study will focus on the scholarship of teaching in health and understanding and appraising qualitative and quantitative research.

By the end of this unit students will be able to: describe scholarship of teaching in health professional education; critique teaching and learning interventions and methods including qualitative and quantitative studies; synthesise evidence from the health professional education literature in the form of a literature review; develop information literacy skills to search the health professional education literature and use Endnote; and reflect on applying evidence to their own teaching and learning context.

MEDF5005

Health Research Methods and Ethics

Credit points: 6 **Teacher/Coordinator:** Dr Pavlina Rumcheva and A/Prof Petra Macaskill **Session:** Semester 1, Semester 2 **Classes:** Face to face interactive lectures and tutorials, plus online lectures and discussions **Assessment:** 1x study design assignment (30%), 1x statistics assignment (40%), 1x online self-study tasks (10%), 1x reflective diary or critical appraisal (20%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education/Intensive on Campus

This unit of study introduces students to the fundamental skills that are required for postgraduate research in medicine and health. Students will learn how to conduct research that is scientifically and ethically sound, be able to critically appraise and review literature, and will develop simple but important statistical analysis skills. In particular, students will learn how to present and interpret data, basic data management skills, and how to determine the required sample size for a study.

Obtaining ethics approval is necessary for any study involving the collection or analysis of data involving humans, animals or their tissues. Hence, this unit will also cover when and how to apply for ethics approval.

MIPH5008

Travel and Tropical Medicine

Credit points: 2 **Teacher/Coordinator:** Dr Giselle Manalo, Dr Paula Fogarty
Session: Int October **Classes:** 1x 2day intensive lectures **Assessment:** 1x 2000word individual essay (90%) and attendance (10%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

This unit aims to provide an overview of common health issues and emerging travel-related diseases, with a general look at prevention and control of these problems for travellers or those intending to work in tropical or resource-poor settings for a significant period of time. Travel/public health regulations associated with outbreaks and disasters area also addressed. During the short course, students will also explore issues such as pre-travel preparations, protection from vector-borne diseases and vaccinations. The teaching method is face-to-face teaching. Attendance is compulsory.

Textbooks

Unit notes supplied by School.

MIPH5116

Culture, Health, Illness and Medicine

Credit points: 4 **Teacher/Coordinator:** Dr Cynthia Hunter **Session:** Semester 1, Semester 2 **Classes:** 1 x 2 day workshop; 1 x 2hr seminar per week for 7 weeks **Assessment:** 1x3000word essay (75%) and 1x1hr class facilitation (25%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Departmental permission is required.

This unit aims to provide an integrated and interpretive approach to an understanding of health-related behaviours of populations in international settings, by synthesizing anthropological knowledge and methodology, and the interactions of culture, biology, psychology and environment. The teaching process is by student-led, lecturer-guided, discussion based review and critical analysis of relevant topics. During the unit, students will explore a range of issues in global and multicultural health from an anthropological perspective. Methodological approaches will encompass ethnography and other anthropological data collection methods. The issues covered will include cultural influences on health, illness and healing, such as indigenous and traditional beliefs and systems, gender and cultural change and the impact of modernization and development on illness and healing. The impact examines disease and illness patterns - their distribution and persistence, mental illness and culture and attitudes towards the use of medications; and the provision of culturally sensitive and appropriate services. The emphasis will be on covering a range of topic areas relevant to the students enrolled, and those of particular importance in contemporary international and multicultural health contexts.

Textbooks

Unit notes supplied by School.

MIPH5118

Global Perspectives of HIV/AIDS

Credit points: 4 **Teacher/Coordinator:** Mr Joel Negin **Session:** Semester 2b **Classes:** 1x2hr lecture per week for 11 weeks; 1x1hr tutorial per week for 7 weeks; plus 1 day peer learning sessions through group presentations **Assessment:** 1xgroup presentation (20%), peer evaluation (10%), 1x2000 word individual assignment (60%), and tutorial (10%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit offers a detailed and evidence-based assessment of the global HIV situation to equip students with the latest understanding of HIV distribution and trends globally, its social and economic implications, the measures being taken to prevent and treat HIV and AIDS, the gaps that need to be addressed in HIV control, and the politics around global HIV issues. Examples from different parts of the world, particularly less developed settings, are used to illustrate analysis of the key issues influencing the HIV control agenda globally. Emphasis is placed on developing a critical and analytical approach to assessing the HIV situation and developing interventions for its control.

Textbooks

Unit notes supplied by School.

MIPH5131

Foundations of International Health

Credit points: 6 **Teacher/Coordinator:** Professor Bob Cumming, Associate Professor Mu Li, Mr Joel Negin **Session:** Semester 1 **Classes:** 1x2hr lecture per week for 12 weeks; 2x1 day seminar and 1x1hr tutorial per week for 9 weeks **Assessment:** 1x 1500 word assignment (20%), 1xgroup presentation (25%), 1x2500 word assignment 2 (45%) and tutorial discussion (10%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

The unit aims to provide candidates with a multidisciplinary perspective of the interplay between health and development in low- and middle-income countries from a range of social science and public health disciplines. The unit will cover the following themes: health and development, Millennium Development Goals, poverty and health, gender and health, culture and health, climate change and health, population ageing, public health advocacy, human rights and health, health systems, health policy, human resources for health, primary health care, and disease and security. At the end of the unit, students should be able to demonstrate an understanding of the relation between health and development; demonstrate an understanding of how health systems and policies operate in developing countries; and demonstrate an understanding of the role played by the various international organisations and agencies in health in less developed settings.

Textbooks

Unit Notes supplied by School

In addition the following textbooks are recommended for reference:

International Public Health: Diseases, Programs, Systems, and Policies by Michael Merson, Robert Black, Anne Mills (editors). Sudbury, MA, USA: Jones & Bartlett Publishers, 2006.

Essentials of Global Health by Richard Skolnik. Sudbury, MA, USA: Jones & Bartlett Publishers, 2008.

Case Studies in Global Health: Millions Saved by Ruth Levine and the What Works Working Group. Sudbury, MA, USA: Jones & Bartlett Publishers, 2007.

MIPH5135

Health Systems in Developing Countries

Credit points: 4 **Teacher/Coordinator:** Mr Joel Negin **Session:** Semester 2 **Classes:** 1x 2hr lecture per week for 10 weeks; plus 2x 0.5 day workshop **Assessment:** 1x1500 word research proposal (40%), 1x2000 word case study report (50%), and participation (10%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Health systems are complex and multi-faceted. Successful health systems require attention to political economy, governance, institutions, and local context. This unit will cover health systems in developing countries to equip students with a conceptual understanding and a set of tools to address major public health challenges from a health systems perspective. With a focus on evidence-based decision making, the unit will provide an understanding of health systems including specific topics such as health workforce, financing, service delivery, information systems and policy, and how these impact health interventions and health status in less developed countries. A multi-sectoral, integrated model will be used to understand the varied aspects of development challenges related to health systems. A case study approach will then provide students with concrete examples of health systems challenges and will strengthen students' ability to view health problems in a holistic, multi-faceted manner. The unit will provide students with the tools needed to make a practical difference

in health systems in less developed countries with emphasis on implementation of health projects and bringing interventions to scale.

Textbooks

Unit notes supplied by School

NURS5069

Research in Nursing and Health Care

Credit points: 6 **Session:** Semester 1 **Classes:** distance education/intensive on campus, up to 4 study days **Assessment:** 2 x online activities (20%) and 2x assignments (80%) **Campus:** Mallett Street **Mode of delivery:** Distance Education/Intensive on Campus

This unit of study will examine and critique established and emerging ways of researching nursing and health care through discussion of the philosophical and theoretical origins of the research traditions and knowledge generation in nursing research. Conceptualisation of research questions, selection of research designs, governance of research and research utilisation in the clinical setting will be explored. Opportunities will be provided to engage in the research process with reference to clinically related situations.

NURS5071

Strengthening Nursing Leadership

Credit points: 6 **Session:** Semester 2 **Classes:** distance education/intensive on campus, up to 4 study days **Assessment:** 3000wd essay (50%) and assignment 1500wd (30%) and 1200wd reflection (20%) **Campus:** Mallett Street **Mode of delivery:** Distance Education/Intensive on Campus

The need for leadership across all clinical disciplines has been shown to be integral to safe practice and strong staff morale. Providing a clear and unambiguous framework for practice and fostering skills in moral stewardship are known to enable personal growth and strong clinical care. This unit explores a range of issues for clinicians including their legal and ethical obligations, concepts of accountability and collegiality, and strategies to increase resilience and emotional intelligence. It aims to equip nurses to take initiative, create supportive and sustaining clinical environments, have the courage of their convictions, and to celebrate curiosity.

PUBH5010

Epidemiology Methods and Uses

Credit points: 6 **Teacher/Coordinator:** Associate Professor Tim Driscoll **Session:** Semester 1 **Classes:** 1x 1hr lecture and 1x 2hr tutorial per week for 13 weeks - lectures and tutorials may be completed online **Prohibitions:** BSTA5011 **Assessment:** 1x 4page assignment (30%) and 1x 2.5hr open-book exam (70%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day or On-line

This unit provides students with core skills in epidemiology, particularly the ability to critically appraise public health and clinical epidemiological research literature. This unit covers: study types; measures of frequency and association; measurement bias; confounding/effect modification; randomized trials; systematic reviews; screening and test evaluation; infectious disease outbreaks; measuring public health impact and use and interpretation of population health data. It is expected that students spend an additional 2-3 hours preparing for their tutorials.

Textbooks

Webb, PW. Bain, CJ. and Pirozzo, SL. Essential Epidemiology: An Introduction for Students and Health Professionals Second Edition: Cambridge University Press 2011.

PUBH5018

Introductory Biostatistics

Credit points: 6 **Teacher/Coordinator:** Mr Kevin McGeechan and Associate Professor Petra Macaskill **Session:** Semester 1 **Classes:** 2 x 2hr lecture, 10 x 1hr lectures, 11 x 2hr tutorials, 2 x 1hr and 8 x 0.5hr statistical computing self directed learning tasks over 12 weeks - lectures and tutorials may be completed online **Assessment:** 1x4 page assignment (30%) and 1x2.5hr open-book exam (70%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day or On-line

This unit aims to provide students with an introduction to statistical concepts, their use and relevance in public health. This unit covers descriptive analyses to summarise and display data; concepts underlying statistical inference; basic statistical methods for the

analysis of continuous and binary data; and statistical aspects of study design. Specific topics include: sampling; probability distributions; sampling distribution of the mean; confidence interval and significance tests for one-sample, two paired samples and two independent samples for continuous data and also binary data; correlation and simple linear regression; distribution-free methods for two paired samples, two independent samples and correlation; power and sample size estimation for simple studies; statistical aspects of study design and analysis. Students will be required to perform analyses using a calculator and will also be required to conduct analyses using statistical software (SPSS). It is expected that students spend an additional 2 hours per week preparing for their tutorials. Computing tasks are self-directed.

Textbooks

Course notes are provided.

PUBH5113

International Health

Credit points: 4 **Teacher/Coordinator:** Professor Robert Cumming **Session:** Semester 2 **Classes:** 9 x 2hr lectures per semester, 1 x 8hr workshop, 1 x 6 hr sessions of peer learning through group presentations **Assessment:** 1 group presentation (20%), peer evaluation (10%), 1 x 2500 word individual essay (70%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit aims to give students an insight into the realities of prevention and control of diseases in developing country, based on real examples presented by a wide range of people with direct practical experience. The unit covers the major health problems in developing country, as well as the role of WHO, World Bank and NGOs.

Textbooks

Unit notes supplied by School

PUBH5208

Screening and Diagnostic Test Evaluation

Credit points: 2 **Teacher/Coordinator:** Dr Germaine Wong **Session:** Semester 2a **Classes:** 1 x 2hr seminar or 2hr of online discussion per week for 7 weeks **Prerequisites:** PUBH5010 **Assessment:** 1x 1000 word critical appraisal (30%) and 1x 1500 word final assignment (70%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day or On-line

This unit is designed to further develop concepts covered in the Epidemiological Methods Unit for those students seeking more detail on screening and diagnostic tests. It will cover a wider range of topics than clinical medicine alone. At the end of this unit, participants should be able to: use information from articles evaluating screening tests in order to apply test results to individual patients and /or make policy decisions about screening tests; consider the internal validity of studies used to assess diagnostic and screening tests and identify and appraise relevant articles and Systematic Reviews covering screening and diagnostic test.. The unit is based on weekly discussion of material provided in the unit workbook, session outlines and pre-reading. Students will be encouraged to contribute examples for discussion. This unit is offered in online/distance mode primarily. Face-to-face tutorials may also be offered.

Textbooks

Course notes are provided.

PUBH5414

Public Health Advocacy

Credit points: 2 **Teacher/Coordinator:** Professor Simon Chapman **Session:** Int Sept **Classes:** 1 x 2 day workshop **Assessment:** 1x letter to the editor of a newspaper (10%) and 1x 2000 word assignment (90%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

This unit aims to familiarise students with the strategies of public health advocacy and to provide skills in content and discourse analysis of media coverage of health and medical issues. This unit covers the role of media advocacy in advancing public health policy; framing public health issues; news gathering, reporting and editing; strategies for media advocacy; political lobbying in public health advocacy. Teaching and learning activities include interactive lectures, case

studies and small group work. Students will be expected to prepare for the sessions. Requirements will be distributed prior to the first day.

Textbooks

(recommended only)

Chapman S. Public Health Advocacy and Tobacco Control: Making Smoking History. Oxford: Blackwell, 2007.

SEXH5008

Sex and Society

Credit points: 2 **Teacher/Coordinator:** Dr Shailendra Sawleshwarkar, Dr Rick Varma **Session:** Semester 2b **Classes:** 2 hours of lectures per week, half semester, which can be taken either face-to-face or online. AusAID students must enrol into the face-to-face version **Assessment:** written assignment (70%), online quiz (30%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day or On-line

Note: AusAID students must enrol in the face-to-face version

This unit will explore the social, psychological and political determinants of sexuality, with particular reference to their potential impacts on public health. It is available in both online and face-to-face modes. Particular emphasis will be placed on the impact of culture, tradition, society, environment, life experiences, personal beliefs and health on sexual activity. Policy and legislative responses to sexual activity will be discussed, with regards to the consequences of sexual activity and methods for determining the effectiveness of such responses. Course content will include population studies on sexual behaviour; historical perspectives; variants of sexuality (including adolescence, prisoners, multicultural aspects, the elderly, disability, homosexuality and transgender issues); sexual dysfunction and counselling; commercial sex work; sex education; sexual assault, health promotion and ethical and legal aspects.

SEXH5101

Public Health Aspects of STDs

Credit points: 2 **Teacher/Coordinator:** Associate Professor Richard Hillman, Dr Belinda Herring **Session:** Semester 2a **Classes:** Semester 2a: 2 hours of lectures per week, half semester, which can be taken either face-to-face or online; Semester 2a Intensive: compulsory attendance at a teaching day in week 4 and attendance at 2 hours of lectures per week, half semester, taken face-to-face for 4 weeks **Assessment:** written assignment and online quizzes **Assessment:** written assignment (70%) and online quizzes (30%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day or On-line

Note: AusAID students must enrol in the face-to-face version.

This unit aims to provide a public health perspective of the community impact of sexually transmitted infections (STIs). It is available in both online and face to face modes. At the end of this unit, students will be able to understand the underlying principles of the surveillance systems used to monitor STIs; the core risk activity groups involved in the transmission of STIs; how the epidemiologies of STIs vary within and between societies; the public health impacts of STIs; and effective preventative strategies at individual and community levels. Course content will include an introduction to the basic biology of STIs; epidemiology and surveillance methods; STI service delivery considerations; STI/HIV interactions, travellers' sexual health; health promotion for STIs; policy approaches and ethical & legal issues.

SEXH5102

Public Health Aspects of HIV/AIDS

Credit points: 2 **Teacher/Coordinator:** Associate Professor Richard Hillman, Dr Belinda Herring **Session:** Semester 2b **Classes:** 2 hours of lectures per week, half semester, which can be taken either face-to-face or online. AusAID students must enrol in the face-to-face version. **Assessment:** written assignment (70%) and online quizzes (30%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day or On-line

Note: AusAID students must enrol in the face-to-face version

This unit aims to provide a public health perspective of the impact of HIV infection. It is available in both online and face to face modes. At the end of this unit, students will be able to understand the underlying principles of the surveillance systems used to monitor HIV infection; the core risk activity groups involved in the transmission of HIV; how the epidemiology of HIV infection varies within and between societies; the public health impacts of HIV infection; and effective prevention strategies. Course content will include an introduction to the basic

science of HIV infection; epidemiology and surveillance; sexual blood borne and mother to child transmission; STI/HIV interactions; other methods of transmission; health promotion for HIV; government perspectives and ethical and legal issues.

SEXH5200

Advanced STIs

Credit points: 6 **Teacher/Coordinator:** Associate Professor Richard Hillman, Dr Shailendra Sawleshwarkar **Session:** Semester 1 **Classes:** Semester 1: compulsory attendance at 3x1hr lectures and 1x1hr journal club per week; Semester 1 Intensive: compulsory attendance during week 4 and then compulsory attendance at 3 x 1hr lectures and 1 x 1hr journal club for 10 weeks **Assessment:** written examination (35%), short written discussion topics (15%), multiple choice quizzes (30%), journal club (10%), attendance & participation (10%) **Campus:** Westmead **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit aims to describe the epidemiology, microbiology, pathogenesis, clinical features and management strategies for the common sexually transmitted infections (STIs). HIV infection will only be covered in the context of its interactions with other STIs.

At the end of this unit, students will be able to discuss the microbiology, pathogenesis and epidemiology of the common STIs. They will be able to demonstrate an understanding of the clinical spectrum of STIs, including asymptomatic infection, genital manifestations, extragenital manifestations and problems related to pregnancy. When discussing STI management, students will understand the impact of STIs at individual, relationship and community levels and how needs differ with risk activity group and geographical location.

Course content will include the basic anatomy, physiology and clinical skills required for the investigation of STIs; the epidemiology, microbiology and clinical aspects of the following conditions: vaginal discharge, urethral discharge, genital ulceration, upper genital tract infections, sexually transmitted hepatitis, syphilis, anogenital warts and cancer, genital infestations and other conditions likely to present in a sexual health context. The social contexts of STIs, in terms of the overcoming difficulties of access and the challenges faced in resource-poor settings will also be covered.

SEXH5202

Advanced HIV Infection

Credit points: 6 **Teacher/Coordinator:** Dr Shailendra Sawleshwarkar Dr Roger Garsia, Associate Professor Richard Hillman **Session:** Semester 2 **Classes:** Semester 2: compulsory attendance at 3x1hr lectures/week and 1x1hr journal club per week; Semester 2 Intensive: compulsory attendance at a teaching day in week 4 and attendance at 3 x 1hr lectures/week and 1 x 1hr journal club per week **Assessment:** written examination (35%), case-based discussions (10%), multiple choice quizzes (25%), journal club (10%) and class presentations (10%), attendance & participation (10%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit aims to describe the epidemiology, biology, pathogenesis and clinical contexts of HIV infection. At the end of this unit, students will be able to understand the laboratory, clinical and social aspects of the diagnosis and management of HIV infection. Course content will include underlying scientific principles of diagnostics, virology, immunology and pathogenesis as applicable to HIV infection; clinical aspects of HIV infection, including seroconversion, asymptomatic infection, early symptomatic disease, major opportunistic infections (including AIDS-related conditions), tumours and death. Emphasis will be placed on the roles of prophylaxis, antiretrovirals and the management of associated conditions. Legal, ethical and sociological contexts will also be discussed.

SEXH5205

Advanced Adolescent Sexual Health

Credit points: 6 **Teacher/Coordinator:** Dr Melissa Kang **Session:** Semester 2 **Classes:** fully online **Assessment:** continuous assessment including participation in group discussion, short answer questions, 1000 word assignments plus 2500 word essay or field report. **Campus:** Westmead **Mode of delivery:** On-line

This unit aims to introduce the constructs of adolescent sexuality, explore the determinants of adolescent sexual health and to discuss the personal and public health implications of adolescent sexuality,

with additional emphasis on a deeper exploration of an area of adolescent sexual health that is of particular interest to the student.

At the end of this unit of study, students will be able to describe the biological, developmental and socio-cultural contexts of adolescent sexual health as well as the constructs, challenges and diversities of adolescent sexuality. They will learn techniques used to optimize communication with adolescents and explore legal, ethical and public health implications of adolescent sexuality. They will also understand and describe one area of adolescent sexual health that the student chooses to study in depth from a list of suggestions.

The course is taught fully online using a range of assessments including group discussion, short answer questions and discussions based on case scenarios. It is divided into 6 modules: adolescent sexuality, adolescent sexual health, reproductive health issues in adolescence, diversity, legal and ethical issues and sexual health promotion.

SEXH5206

Diagnostic Methods in Sexual Health

Credit points: 6 **Teacher/Coordinator:** Associate Professor Richard Hillman, Dr Belinda Herring **Session:** Semester 1 **Classes:** Semester 1: blended online with a compulsory one week laboratory practical session towards the end of the course will complement the online learning; Semester 1 Intensive: blended online - compulsory attendance at classes during week 4 and attendance at a compulsory one week laboratory practical session towards the end of the course **Assessment:** online quizzes (30%), case based presentations (20%), online discussion (10%) and a written exam (40%) at the end of the practicum **Campus:** Westmead **Mode of delivery:** Distance Education/Intensive on Campus

Note: Department permission required for enrolment. Note: Students who are not enrolled in the HIV, STIs and Sexual Health programs offered through Sydney Medical School must apply to Associate Professor Richard Hillman for permission to enrol in this unit of study.

This unit aims to introduce the student to the common methods used in the diagnosis and management of infections with the common Sexually Transmissible Infections (STIs), including HIV.

At the end of this unit, students will be able to understand the principles of Infection Control; methods used in diagnostic microbiology including specimen collection, storage and transport; specific diagnostic techniques and the interpretation of laboratory results; principle methods of detection for the following organisms: Chlamydia trachomatis, Candida albicans, genital mycoplasmas, Herpes simplex viruses, Human papillomaviruses, Molluscum contagiosum, Neisseria gonorrhoeae, Treponema pallidum, Trichomonas vaginalis, tropical genital ulcerating conditions and genital ectoparasites. Students will also be able to discuss methods used and interpretation of Hepatitis serology; laboratory aspects of syndromic management of vaginal discharge, urethral discharge, rectal discharge and prostatism; the diagnosis and management of HIV infection; the diagnosis of HIV-related opportunistic infections and tumours, and genital cytological assessment.

Course content will include reading materials and exercises. A compulsory intensive one week face-to-face lab practicum allows students to consolidate their theoretical knowledge.

SEXH5402

Counselling in Sexual Health 1

Credit points: 6 **Teacher/Coordinator:** Dr Patricia Weerakoon **Session:** Semester 1 **Classes:** On-line (1x2hr lecture and 2x1hr group disc and 1x1hr tutorial)/week plus 5 days 9am-5pm **Prohibitions:** BIOS5071 **Assessment:** 2 x group work tasks (2x10%), quiz (30%), 2 x1500 word assignments (2x25%) **Campus:** Westmead **Mode of delivery:** Distance Education/Intensive on Campus

This unit will provide an overview of effective communication skills that underlie the counselling process in sexual health and provide basic skills in history taking and sexual counselling.

At the end of this unit, students will:

(i) Understand effective ways of professional communication that improve skills in hearing verbal messages, perceiving nonverbal messages and responding verbally and nonverbally to different kinds of messages in sexual counselling practice;

(ii) Understand the dynamics of interpersonal relationships.

(iii) Demonstrate an understanding of and the ability to critique:

- Theory and methods of personal counselling.

- Theory and methods of sexuality counselling.

- Theory and methods of approach to intervention in relationship systems.

- Theory and methods of decision-making concerning sexually related medical interventions.

(iv) Critique and discuss ethical issues in sexuality counselling.

(v) Have a knowledge of the theory and demonstrate basic skills in the practice of consultation, collaboration, and referral.

(vi) demonstrate skills in taking a sexual history

(vii) Demonstrate the ability to develop a basic management plan for an individual or couple based on best available research and clinical evidence.

SEXH5403

Counselling in Sexual Health 2

Credit points: 6 **Teacher/Coordinator:** Dr Patricia Weerakoon **Session:** Semester 2 **Classes:** On-line (1x2hr lecture and 2x1hr group discussion and 1x1hr tutorial)/week plus 4 days 9am-5pm **Prerequisites:** SEXH5402 and SEXH5404 **Prohibitions:** BIOS5072 **Assessment:** 1 group task (10%), 2000 word assignment (40%), 2000 word reflective report of role play (50%) **Campus:** Westmead **Mode of delivery:** Distance Education/Intensive on Campus

Students will explore the practice and evidence base of a range of counselling techniques/models in context of their professional practice.

The unit of study will be conducted in two stages:

In stage one, students will review the material learned in Counselling 1; and critically analyse the evidence base and practice of a range of sex counselling/therapy models in terms of their relevance and applicability to the specific counselling/therapy context of their individual professional practice.

Stage 2 will be four days face to face on-campus intensive in which students will explore the design and application of counseling interventions using the knowledge and skills gained from previous study in (i) Gender issues (ii) sexual dysfunction (iii) Pornography and sex addiction (iv) HIV/STI (v) Subfertility (vi) Sexual Abuse. This will be in the form of role-plays and observations of counselling sessions.

They will also participate in a one day sexual attitude reassessment seminar (SAR)

SEXH5404

Sexual Function and Dysfunction

Credit points: 6 **Teacher/Coordinator:** Dr Patricia Weerakoon **Session:** Semester 1 **Classes:** On-line (1x2hr lecture and 2x1hr group discussion and 1x1hr tutorial)/week plus 4 days 9am-5pm **Prerequisites:** SEXH5401 **Assessment:** 2 group work tasks (2x15%), quiz (30%) 2 x 1500 word assignments (2x20%) **Campus:** Westmead **Mode of delivery:** Distance Education/Intensive on Campus

This unit will provide students an overview of current research on the biological and psychosocial factors that influence the sexual response throughout the lifecycle, and explore diagnostic criteria, aetiology and management of sexual dysfunctions.

At the end of the unit students will:

(i) Critically discuss the concept of 'normality' in sexual function and the biological and psychosocial factors that determine this.

(ii) Understand the male and female sexual response cycle and factors that affect this.

(iii) Demonstrate knowledge of classifications of male and female sexual dysfunctions and clinical presentations of each.

(iv) Be able to diagnose a range of common sexual dysfunctions.

(v) Be competent to interpret the evidence base for best practice in the management options for selected sexual dysfunctions and select those appropriate for specific individuals/couples.

(vi) Reflect on the application of best practice in the management of sexual dysfunctions as it fits in with their personal and professional context.

(vii) Demonstrate the ability to identify a research question in sexual function and dysfunction and develop a simple research project.

Textbooks

J Bancroft (ed), Human Sexuality and Its Problems (3rd ed), Churchill Livingstone (2008)

SEXH5405

Contraception and Reproductive Health

Credit points: 6 **Teacher/Coordinator:** Dr Ellie Freedman, Dr Shailendra Sawleshwarkar **Session:** Semester 2 **Classes:** Online plus 3 days (9am-5pm) at a site to be advised **Assumed knowledge:** Basic biology **Assessment:** quiz (20%), case discussion (30%), assignment (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education/Intensive on Campus

This course aims to provide students with an understanding of Family Planning, relevant Reproductive Health and the issues involved in delivering these services in a range of healthcare settings. At the end of the unit students will be able to: - Discuss the available options for controlling fertility, including hormonal and non hormonal reversible contraceptive methods, emergency contraception and permanent methods of contraception. - Understand the different reproductive health needs of women from adolescence through to menopause, including the impact of non-fertility. - Understand the consequences of unintended pregnancy and describe the options available to women; discuss the impact of unsafe abortion in an international context. - Demonstrate an understanding of the impact of culture, tradition, society, environment, life experiences, personal beliefs and health on contraceptive choices, including sexual violence. - Understand how a broad range of pathologies, including STIs and HIV, impact on reproductive health outcomes. - Understand the range of health promotion strategies, used in prevention of STIs, HIV and unintended pregnancy - Discuss the legislative, policy and logistical challenges facing delivery of contraceptive and reproductive health services in high, middle and low income countries.

Textbooks

Contraception: An Australian clinical practice handbook 2nd Edition. SHFPA. Sex and the Law. FPNSW
Reproductive & Sexual Health: an Australian clinical practice handbook 2nd edition. FPNSW

SEXH5406

Professional Placement

Credit points: 6 **Teacher/Coordinator:** A/Prof Richard Hillman, Dr Patricia Weerakoon, Dr Shailendra Sawleshwarkar, Dr Belinda Herring **Session:** Semester 2 **Classes:** On-line (2x1hr gp disc)/week, ongoing placements and 3 days intensive 9am - 5pm **Prerequisites:** SEXH5401 **Assessment:** Direct observation of profession-specific tasks Reflective, Log Book Written assignment (50%) Oral group presentation (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education/Intensive on Campus

This unit is the capstone unit for all students.

It provides students with an introduction to the essential practical competences in their specific stream. It emphasizes the interdisciplinary nature of clinical practice excellence, within a framework of inquiry based learning and evidence based practice.

- (i) Students from clinical backgrounds will be attached to sexual health and HIV clinics and observe or manage patient care under supervision for a total of 15 sessions (half days). Whenever possible, attachments will be tailored to complement the candidates' past clinical experience.
- (ii) Students from Public Health and laboratory backgrounds will have relevant fieldwork or laboratory attachments, together with some clinical exposure.
- (iii) Students from counseling backgrounds will explore the design and application of counseling interventions in supervised placements.

The university will assist in locating clinical, laboratory and counseling placements.

In addition, students will work in inter-professional groups to reflect on their role in team management of HIV and Sexual Health, and learn how to develop a relevant research proposal.

SEXH5407

Sex Gender and Sexuality

Credit points: 6 **Teacher/Coordinator:** Dr Patricia Weerakoon **Session:** Semester 2 **Classes:** On-line (1x2hr lecture and 2x1hr group disc and 1x1hr tutorial)/week plus 5 days 9am-5pm at a site to be advised **Assessment:** 2 group work tasks (2x10%), quiz (40%) 2 x 1500 word assignments (2x20%) **Campus:** Westmead **Mode of delivery:** Distance Education/Intensive on Campus

Provide the student with an understanding of the biological basis of sexual development from foetus to adulthood and the socio-cultural factors that determine their expression.

Sensitise the student to the terminology of gender discourse and an overview of the range of gender and sexual differences and practices in the community and associated psychosocial issues.

- (i) Demonstrate an understanding of the terminology used in gender discourse.
- (ii) Describe the biology of sexual development from fetus to adolescence and an understanding of the psychological and social factors that influence the process.
- (iii) Describe syndromes of atypical sexual development and demonstrate an understanding of the medical, psychosocial and ethical concerns in the management.
- (iv) Demonstrate an understanding of the biological, social and psychological factors that influence the expression of gender identity and sexual orientation in the community.
- (v) Explore the Social and Psychological issues surrounding gender minorities in the community.
- (vi) Discuss the social support systems and needs of gender minorities and their importance to well being and quality of life.
- (vii) Evaluate the legal and ethical concerns and problems faced by gender minorities in a global context.
- (viii) Identify and prioritise research issues in the area of sex and gender.

Textbooks

Sexuality Now: Embracing Diversity (2009) Third Edition ed Janell L Carroll Thomson Wadsworth.

SEXH5408

HIV/STI Program Delivery

Credit points: 2 **Teacher/Coordinator:** Dr Shailendra Sawleshwarkar, Mr Joel Negin **Session:** Semester 2 **Classes:** Online plus 2 days 9am to 5pm **Corequisites:** MIPH5118 **Prohibitions:** MIPH5129 **Assessment:** Group work (75%); Short analysis (25%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education/Intensive on Campus

Effective project management in HIV & STIs is an important contributor to the health and development objectives of developing countries. The unit aims to give students a good understanding of the concepts, methodologies and approaches of international health project management in HIV and STIs. It will provide an introduction to the Logical Framework Approach and give students an opportunity for hands-on practice through the design of a project in an international setting. Potential challenges to delivery will also be explored.

Textbooks

Reading pack will be provided.

SEXH5409

Adult Sexual Assault

Credit points: 6 **Teacher/Coordinator:** A/Prof Katherine Brown, A/Prof Richard Hillman **Session:** Semester 1 **Classes:** Distance Education/Intensive on Campus (2 days 9am to 5pm) **Assessment:** Workbook (30%); Participation on campus (30%); case study (20%); completion of 1 expert certificate (20%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education/Intensive on Campus

Adult sexual assault is not uncommon and requires a holistic medical and forensic response, including skilled forensic examination. This course will concentrate on the physical aspects of sexual assault and its sequelae within the context of acute trauma. It will provide the student with the background to performing a forensic medical examination, collection of specimens and reporting requirements required by investigating authorities and the Courts. On completion

of this unit, the student will be able to describe the basic anatomy of the anogenital region of females and males; the range of genital and bodily injuries; and written, graphic and photographic documentation required. The student will be prepared for the process of specimen collection, maintaining the chain of evidence and issues related to obtaining valid consent. The processes used in the analysis of forensic evidence, including DNA and drug testing will be described, together with the use of prophylaxis, counselling and follow up testing for sexually transmissible infections and pregnancy. Development of court reports will be discussed. The psychosocial aspects of acute trauma and their role in management will also be described. The assessment tasks will enable students to embed their knowledge in the legal and cultural context of their own workplace.

Research Units of Study Descriptions 2012

MEDF4001

Medicine Research A

Credit points: 12 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

This unit and the associated units, MEDF4002, MEDF4003, MEDF4004, and MEDF4005, are research units of study. The contents and assessments are determined according to each individual student's needs.

MEDF4002

Medicine Research B

Credit points: 12 **Session:** Semester 1, Semester 2 **Corequisites:** MEDF4001
Campus: Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

See MEDF4001.

MEDF4003

Medicine Research C

Credit points: 12 **Session:** Semester 1, Semester 2 **Corequisites:** MEDF4002
Campus: Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

See MEDF4001.

MEDF4004

Medicine Research D

Credit points: 12 **Session:** Semester 1, Semester 2 **Corequisites:** MEDF4003
Campus: Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

See MEDF4001