Study public health, international public health, health management and infectious diseases intelligence at the School of Public Health and Community Medicine, UNSW Sydney, Australia
## POSTGRADUATE SUMMER SCHOOL COURSE SCHEDULE 2017

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>COURSE CODE</th>
<th>TIMES</th>
<th>DATES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Advanced Health Economics &amp; Financial Management (also offered online by distance mode)</td>
<td>PHCM9082</td>
<td>9.00 – 5.00</td>
<td>13 – 15 November</td>
</tr>
<tr>
<td>Bioterrorism and Health Intelligence (also offered online by distance mode)</td>
<td>PHCM9789</td>
<td>9.00 – 5.00</td>
<td>27 Nov – 1 Dec</td>
</tr>
<tr>
<td>Communicable Disease Control in Humanitarian Emergencies and Disasters (in collaboration with World Health Organization) (also offered online by distance mode)</td>
<td>PHCM9783</td>
<td>9.00 – 5.00</td>
<td>4 – 7 December</td>
</tr>
<tr>
<td>Global Non-Communicable Disease: Population Approaches (also offered online by distance mode)</td>
<td>PHCM9786</td>
<td>9.00 – 5.00</td>
<td>20 – 23 November 24 November</td>
</tr>
<tr>
<td>Health Aspects of Crises, Emergencies and Disasters (also offered online by distance mode)</td>
<td>PHCM9662</td>
<td>9.00 – 5.00</td>
<td>13 – 17 November</td>
</tr>
<tr>
<td>Health Economics &amp; Finance in Developing Countries (also offered online by distance mode)</td>
<td>PHCM9443</td>
<td>9.00 – 5.00</td>
<td>27 – 30 November</td>
</tr>
<tr>
<td>Health Impact Assessment (also offered online by distance mode)</td>
<td>PHCM9628</td>
<td>9.00 – 5.00</td>
<td>13 – 14 November</td>
</tr>
<tr>
<td>Inequalities and Health</td>
<td>PHCM9626</td>
<td>9.00 – 5.00</td>
<td>27 – 29 November</td>
</tr>
<tr>
<td>Infectious Diseases Intelligence (also offered online by distance mode)</td>
<td>PHCM9788</td>
<td>9.00 – 5.00</td>
<td>21 – 24 November</td>
</tr>
<tr>
<td>Predictive Modelling in Public Health (also offered online by distance mode)</td>
<td>PHCM9785</td>
<td>9.00 – 3.00</td>
<td>4 – 7 December</td>
</tr>
<tr>
<td>Prevention and Management of Chronic Disease</td>
<td>PHCM9129</td>
<td>9.00 – 5.00</td>
<td>4 – 6 December</td>
</tr>
<tr>
<td>Principles and Practice of Primary Health Care Services in the Community</td>
<td>PHCM9615</td>
<td>9.00 – 5.00</td>
<td>16, 17, 20 November</td>
</tr>
</tbody>
</table>

**CONTENTS**

- About the School 3
- Summer School Program 4
- Further studies 4
- Course offerings 5
- How to Apply 8
- Registration 8
- Further information 8
Introduction

About the School of Public Health and Community Medicine

The School of Public Health and Community Medicine at the Faculty of Medicine, University of New South Wales in Sydney is committed to excellence in research, learning and teaching and action to enhance health and health services. Our teaching is strongly influenced by our research and our research informs our teaching.

Our School seeks to contribute to the ongoing efforts, both within Australia and internationally, to promote health, prevent disease and ensure that health care is made available through the organised efforts of society.

Our teaching and research aims to develop expertise, reduce unfair and unjust inequalities and improve access and participation in services and decision making. We seek to ensure that policies are informed by the best available evidence.

Public health and community medicine are different but related disciplines, which have key elements in common that bring us together as a School. Public health and community medicine are powerful tools with which we can bring some equality into an unequal world. For example, vaccination programs protect the entire community, even those who are unvaccinated through herd immunity effects, regardless of socioeconomic status. Where there is poverty, inequity and suffering, public health can make a difference, and Australia has a very strong tradition and culture of public health and programs for the public good.

At UNSW, we offer a rich and diverse range of Summer School courses in public health, international public health, health management and infectious diseases intelligence, and have a tradition of excellence in teaching.

As one of the largest schools in our country within a leading Faculty of Medicine, we embrace our important role in mentoring and shaping the future leaders in the field. I hope we can welcome you into the UNSW School of Public Health and Community Medicine.
About the Summer School program at the School of Public Health and Community Medicine

The School of Public Health and Community Medicine Postgraduate Summer School offers a series of intensive classes over a period of several days, which can be taken as part of a postgraduate degree or as standalone non-degree courses. The classes are followed by coursework to be completed over two-and-a-half months for those participants who are doing the workshops for coursework credit. The courses are designed to give participants time for reading and reflection of the subjects they are studying. The Summer School is designed for a range of people:

- Postgraduate students from the School wishing to take courses during the summer term
- Full fee paying domestic students wishing to commence their study in the summer term
- Postgraduate students from other faculties or other universities wishing to take electives for credit
- Health practitioners or managers wishing to increase their professional standing
- People doing a course out of interest and not for assessment purposes.

Curriculum

Our Summer School offers postgraduate courses in many aspects of public health and community medicine. These courses provide a framework for advanced study in many fields of public health, international public health, health management and infectious diseases. All the courses offered can be taken for degree credit by both domestic and international students or as non-credit workshops for others. They are taught by the staff of the School of Public Health and Community Medicine. You may wish to take more than one course at Summer School. We have designed the program with this in mind.

A number of courses offered during the summer term are also available fully online by distance mode.

FURTHER STUDIES

After Summer School you may also be interested in enrolling in one of the following degree programs (you can even enrol in a dual degree):

- **Master of Public Health**
  The Master of Public Health is widely recognised as essential for a career in population health, including health promotion, primary health care, policy formulation, research, and management of health programs.

- **Master of International Public Health**
  The Master of International Public Health equips students with the knowledge and competencies to contribute to disease control and health promotion across a range of populations and countries. These extend from least developed and post-conflict countries through middle income to more developed countries.

- **Master of Health Management**
  The Master of Health Management program is designed to provide students with the essential knowledge, skills and attributes required for managerial roles in health services both in Australia and internationally.

- **Master of Infectious Diseases Intelligence**
  The Master of Infectious Diseases Intelligence equips students with advanced skills in public health aspects of infectious diseases intelligence, response, prevention and mitigation.
SUMMER SCHOOL COURSES

ADVANCED HEALTH ECONOMICS AND FINANCIAL MANAGEMENT (PHCM9082)

Convenor: Dr Anurag Sharma
3-day workshop
9:00 am to 5:00 pm
13 – 15 November, 2017

This course builds on the topics covered in PHCM9441 Healthcare Economics and Financial Management. This course will cover health policy related issues from an economic perspective including topics such as National Health Reform, Activity based Funding, workings of health insurance markets and how the demand for health care is managed given the limited supply of health care. In addition, more advanced topics in financial management such as capital budgeting and costing of health services will be introduced.

ALSO OFFERED ONLINE BY DISTANCE MODE

BIOTERRORISM AND HEALTH INTELLIGENCE (PHCM9789)

Convenors:
Dr David Heslop,
Dr David Muscatello,
Prof Raina MacIntyre
5-day workshop
9:00 am to 5:00 pm
27 November – 1 December, 2017

Our systems, thinking, training, legislation and policies have lagged far behind momentous changes in science, and leaving us vulnerable to population-level harm from bioterrorism. Synthetic viruses and genetic engineering of pathogens are a reality, with a rapid acceleration of dual-use research of concern (DURC), which is research intended for good which may also be used to cause harm to humans. The public availability of methods for DURC genetic engineering, coupled with the insider threat, poses an unprecedented risk for global biosecurity. The course will provide a grounding in human health aspects of bioterrorism and response, for first-responders, analysts or policy makers from health, emergency management, law enforcement, military or other relevant backgrounds. An overview of bioterrorism past, present and future scenarios will be covered. Case studies in risk analysis, risk mitigation and response will be studied. These will cover engineered transmissible H5N1 avian influenza; distinguishing natural from unnatural epidemics, surveillance tools, rapid intelligence and analysis methods. International health regulations, governance of DURC, insider threat and ethical frameworks will be examined. Models for cross-sectoral collaboration and communication will also be explored. Preparation of first line responders to biohazards will be covered, including personal protective equipment, decontamination, epidemic control measures, post-exposure prophylaxis and vaccines for biosecurity.

ALSO OFFERED ONLINE BY DISTANCE MODE

COMMUNICABLE DISEASE CONTROL IN HUMANITARIAN EMERGENCIES AND DISASTERS (PHCM9783)

IN COLLABORATION WITH WORLD HEALTH ORGANIZATION

Convenors: Dr Abrar Chunghtai, Dr Padmanesan Narasimhan
4-day workshop
9:00 am – 5:00 pm
4 – 7 December, 2017

This course is designed for those working in public health or related disciplines in developing countries who are working in or likely to work in communicable disease management and would like to gain knowledge, skills and experience in managing communicable disease in emergency settings. On completion of the course, participants will understand the principles of, in collaboration with partners: conducting communicable disease risk assessments and prioritising interventions in emergencies; designing and implementing surveillance and early warning and response (EWAR) systems; conducting outbreak investigations and managing outbreak responses; implementing prevention and control methods for priority communicable diseases in emergencies. Participants should be able to understand the importance of a coherent and co-ordinated response when working amongst diverse stakeholders in humanitarian settings.

ALSO OFFERED ONLINE BY DISTANCE MODE
GLOBAL NON-COMMUNICABLE DISEASE: POPULATION APPROACHES (PHCM9786)

Convenor: Prof Richard Taylor, Ms Christine Linhart
5-day workshop
9:00 am – 5:00 pm
20 – 23 November 2017
9:00 am – 1:00 pm
24 November 2017

This course addresses the major non-communicable diseases (NCDs) (cardiovascular disease, diabetes, cancer and chronic lung disease) and their risk factors (diet, exercise, tobacco, alcohol), which are responsible for considerable morbidity and premature adult mortality globally. The course is based on understanding the evidential basis for the cause of NCDs from epidemiological and bio-medical studies, followed by detailed analysis of contemporary population health risk factors and the challenges they pose for population approaches to prevention and control of NCD. The course aims to provide students with the ability to critically evaluate evidence for causation and (cost)-effectiveness of NCD control in populations. The strengths, weaknesses and challenges of different population approaches to NCD control, and their record of success and failures, will be critically evaluated.

HEALTH ASPECTS OF CRISSES, EMERGENCIES AND DISASTERS (PHCM9662)

Convenor: Dr David Heslop, Dr Nicholas Osborne
5-day workshop
9:00 am to 5:00 pm
13 – 17 November, 2017

The aim of this course is to increase your capacity to operate as public health professionals and/or healthcare managers within the context of local or international crises, emergencies and disasters. The faculty will work with you to develop your knowledge of the healthcare aspects of these events, prepare you to assess and respond to such events from the perspective of healthcare services and providers, and assist you to develop the skills required to work within disaster and complex emergency settings.

HEALTH ECONOMICS AND FINANCE IN DEVELOPING COUNTRIES (PHCM9443)

Convenor: Dr Virginia Wiseman, Dr Augustine Asante
4-day course
9:00 am – 5:00 pm
27 – 30 November, 2017

The goal of this course is to provide participants with the knowledge, skills and fundamental economic arguments that are central to discussions about health policy options and resource allocation choices. While the concepts, theories and models discussed are relevant to countries at all levels of development, this course focuses primarily on their application to low- and middle-income countries. Participants will explore health care systems in these countries as a rich source of data and case studies through which to analyse resource allocation decision-making. They will then consider how to better deliver and finance services to improve health outcomes in these countries.

HEALTH IMPACT ASSESSMENT (PHCM9628)

Convenors: Ms Fiona Haigh
2-day workshop
9:00 am to 5:00 pm
13 – 14 November, 2017

Health impact assessment is a structured process by which the impacts of policies, programs or projects on health can be assessed. This course will cover the process of health impact assessment, its theoretical background, history and applications. Students will have an opportunity to gain practical experience by undertaking the initial steps of health impact assessment (screening and scoping). This course is suitable for students who wish to gain a basic grounding in health impact assessment, with opportunities for more detailed investigation of specific concepts.

INEQUALITIES AND HEALTH (PHCM9626)

Convenors: Dr Jane Lloyd
3-day workshop
9:00 am – 5:00 pm
27 – 29 November, 2017

There has been increasing evidence to support the argument that differences in health and opportunities for good health are strongly determined by the inequities in social and structural factors in society. The overall aim of this course is to introduce you to major conceptual and practical issues in understanding and addressing health inequalities in western industrialised countries.
INFECTIOUS DISEASES INTELLIGENCE (PHCM9788)

Convenors: Prof Raina Macintyre, Dr Abrar Chughtai

4-day workshop
9:00 am – 5:00 pm
21 – 24 November 2017

The course will provide a grounding in epidemiological pattern recognition (epidemic, endemic, sporadic) in infectious diseases for first-outbreak responders, surveillance officers, or policy makers from medicine, allied health, public health, emergency management, law enforcement, military or others from relevant backgrounds. Case studies in risk assessment, risk mitigation, response and prevention will be studied. These will cover Ebola virus disease, MERS-CoV, avian influenza and salmonellosis; distinguishing natural from unnatural epidemics, surveillance tools, rapid intelligence and analysis methods. Data quality in resource limited settings and implications for risk assessment will be examined. Understanding of modelling and forecasting of infectious diseases based on known transmission dynamics and patterns will also be explored. Preparation of first line responders to optimise usage of infectious diseases intelligence techniques will be covered, including prioritisation of data sourcing/mining, strengthening, mapping disease transmission patterns to modes of transmission, and ultimately epidemic control measures.

PREDICTIVE MODELLING FOR PUBLIC HEALTH (PHCM9785)

Convenor: Dr James Wood

4-day workshop
9:00 am to 3:00 pm
4 – 7 November, 2017

Predictive modelling is a rapidly developing area in public health. Already widely applied in predictive studies of interventions such as vaccination, modelling is a key input to policy and planning decisions in public health. Understanding how trends in disease will unfold in future years helps policy makers evaluate and prepare for future priorities. The focus in this course is on building predictive models of disease trends in Excel and on assessing the value of modelling results for policy. The course is run over 5 days in a workshop format, with additional activities and demonstrations posted online to reinforce concepts.

PREVENTION AND MANAGEMENT OF CHRONIC DISEASE (PHCM9129)

Convenors: Prof Mark Harris

3-day workshop
9:00 am – 5:00 pm
4 – 6 December, 2017

With the rising burden of chronic illness, the prevention and management of chronic disease is a critical priority for health systems around the world. This course provides participants with an overview of prevention and management of chronic disease in community settings as it is delivered in Australia and overseas. It provides a framework for approaching the subject based on components of the Chronic Care Model developed by Wagner and others and promoted by the World Health Organization (WHO). There are opportunities for reflecting on how this operates in a variety of settings and countries. Participants learn practical skills in analysing and evaluating approaches to chronic disease in a variety of settings, and identifying capacities and opportunities for change.

PRINCIPLES AND PRACTICE OF PRIMARY HEALTH CARE SERVICES IN THE COMMUNITY (PHCM9615)

Convenors: Dr Ben Harris-Roxas

3-day workshop
9:00 am – 5:00 pm
16, 17, 20 November, 2017

This course provides an introduction to the principles of Primary Health Care and their application in the delivery of health care in the community. This course provides a framework for approaching the subject based on some of the key functions or characteristics of primary health care and presents evidence for the impact of these functions or characteristics on health care delivery and health outcomes for the community. A number of services are specifically analysed including general practice, community health services, rural health services and indigenous health services and the integration between primary health care and specialised and hospital care. The course uses case studies in both Australia and overseas. Participants learn practical skills in analysing and evaluating health services in a variety of settings, in making comparisons between them and identifying capacities and opportunities for change.
HOW TO APPLY FOR SUMMER SCHOOL

There are a number of different enrolment options for the Summer School depending on whether applicants wish to enrol in the courses as part of a SPHCM postgraduate degree, a non SPHCM postgraduate degree, or as a non-assessable professional development activity. Please make sure that you enrol in the correct category.

Applicants wishing to attend courses for professional development

Applicants who wish to participate in the workshops as non-assessable professional development activities, and not for credit, can register for individual courses through the registration and payment links on the Summer School website:  See sphcm.med.unsw.edu.au/summer-school. If you need more information or help please contact: SPHCM Postgraduate Office, Tel: (02) 9385 1928 or Email: postgrad-sphcm@unsw.edu.au.

Currently enrolled Masters students

Currently enrolled Masters students can enrol online for Summer School courses from 3 October. If you need more information or help contact the SPHCM Postgraduate Office.

New students

Applicants wishing to commence their degree in Public Health, International Public Health, Health Management or Infectious Diseases in the Summer School should submit their applications online through the Universities Admissions Centre (UAC) by late September, 2017. Please note there are limited CSP places available. See How to Apply > Domestic Applicants: sphcm.med.unsw.edu.au/ future-students/postgraduate-coursework/how-apply. For further information contact the SPHCM Postgraduate Office.

Current UNSW students from other faculties

Students from other UNSW faculties wishing to enrol in Summer School should provide approval from their home faculty and the approval from the course convenor of the course they want to enrol in. Please forward these to the SPHCM Postgraduate Office.

Non-degree applicants and students from other universities wishing to attend courses for assessment

Applicants wishing to enrol in the summer school courses and also wishing to complete assessment for credit without enrolling in a degree should apply for Non-Award study. Students from other universities wishing to enrol in Summer School for Cross-Institutional study are welcome to apply. Application forms and deadlines are available on the Non Award/Cross Institutional study website: www.futurestudents.unsw.edu.au/non-award-short-courses. Students should contact the UNSW Admissions office for further information on how to apply Tel: (02) 9385 3656 or enquiry.unsw.edu.au.