



HSYP806

Systems Science in Healthcare

S2 Block 2017

Department of Health Systems and Population

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General Information

Unit convenor and teaching staff

Unit Convenor

Joanne Callen

joanne.callen@mq.edu.au

Contact via joanne.callen@mq.edu.au

Level 6, 75 Talavera Road

Tuesdays 10am-12noon *by appointment only

Credit points

4

Prerequisites

Admission to MPH

Corequisites

Co-badged status

Unit description

In this unit students will develop an understanding of health systems. They will learn about the components of a health system through examination of agencies that plan, fund, and regulate health care; the money that finances health care; those who provide preventive health services; those who provide clinical services; and those who provide specialised inputs into health care, such as the education of healthcare professionals and the production of drugs and medical devices. Students will consider the goals and functions of health systems, as well as the factors used to examine and evaluate health systems. Examples of health systems in low, middle and high income nations will be considered. Key health sector issues will be discussed in relation to performance, stewardship, demographic and epidemiological change, resourcing, financing, access and equity.

Important Academic Dates

Information about important academic dates including deadlines for withdrawing from units are available at <https://www.mq.edu.au/study/calendar-of-dates>

Learning Outcomes

On successful completion of this unit, you will be able to:

Demonstrate an understanding of how systems underpin healthcare

Demonstrate an understanding of the current discipline of systems thinking

Discuss the rationale for adopting a systems approach to address population health

issues

Examine the challenges to adopting a systems approach to public health

Analyse the goals, functions, characteristics and organisational structures of the national health care system

Analyse the roles that various agencies play within health systems in relation to the goal of achieving population health

General Assessment Information

Information concerning Macquarie University's assessment policy is available at http://mq.edu.au/policy/docs/assessment/policy_2016.html. Grade descriptors and other information concerning grading requirements are contained in Schedule 1 of the Macquarie University Assessment Policy.

To pass this unit, students must demonstrate sufficient evidence of achievement of the learning outcomes and attempt all assessment tasks.

Further details for each assessment task will be available on iLearn, including marking rubrics.

All final grades in the department of Health Systems and Populations are determined by a grading committee and are not the sole responsibility of the Unit Convenor.

Students will be awarded one of these grades plus a Standardised Numerical Grade (SNG). The SNG is not necessarily a summation of the individual assessment components. The final grade and SNG that are awarded reflect the corresponding grade descriptor in Schedule 1 of the Assessment Policy.

Extensions for Assessment tasks

Applications for assessment task extensions must be submitted via www.ask.mq.edu.au. For further details please refer to the Disruption to Studies Policy available at http://mq.edu.au/policy/docs/disruption_studies/policy.html

Late Submission of Work

All assignments which are officially received after the due date, and where no extension has been granted by the course convenor or tutor, will incur a deduction of 10% for the first day, and 10% for each subsequent day including the actual day on which the work is received. Weekends and public holidays are included. For example:

Due date	Received	Days late	Deduction	Raw mark	Final mark
Friday 14th	Monday 17th	3	30%	75%	45%

Assessment Tasks

Name	Weighting	Hurdle	Due
Reflection	20%	No	Week 4
Case-study	40%	No	Week 11
Presentation	40%	No	Week 13

Reflection

Due: **Week 4**

Weighting: **20%**

Students are required to write about what the learnings meant for you and your ongoing progress as a learner or health care professional.

On successful completion you will be able to:

- Demonstrate an understanding of how systems underpin healthcare
- Demonstrate an understanding of the current discipline of systems thinking
- Discuss the rationale for adopting a systems approach to address population health issues
- Analyse the roles that various agencies play within health systems in relation to the goal of achieving population health

Case-study

Due: **Week 11**

Weighting: **40%**

Students will be presented with a case-study, where they will write a report analysing the case from a variety of health system perspectives.

On successful completion you will be able to:

- Demonstrate an understanding of how systems underpin healthcare
- Demonstrate an understanding of the current discipline of systems thinking
- Discuss the rationale for adopting a systems approach to address population health issues
- Examine the challenges to adopting a systems approach to public health
- Analyse the goals, functions, characteristics and organisational structures of the national health care system

- Analyse the roles that various agencies play within health systems in relation to the goal of achieving population health

Presentation

Due: **Week 13**

Weighting: **40%**

Weighting: **30% content, 10% for presentation style**

(20 minute oral presentation with powerpoint slides)

On successful completion you will be able to:

- Demonstrate an understanding of how systems underpin healthcare
- Demonstrate an understanding of the current discipline of systems thinking
- Discuss the rationale for adopting a systems approach to address population health issues
- Examine the challenges to adopting a systems approach to public health
- Analyse the goals, functions, characteristics and organisational structures of the national health care system
- Analyse the roles that various agencies play within health systems in relation to the goal of achieving population health

Delivery and Resources

Unit Organisation

This is a four credit point unit run over a 13 week session. There is on-line delivery and tutorials. Further information is available via the HSY806 online Learning Management System (LMS) iLearn <http://ilearn.mq.edu.au>

Attendance

All presentations are scheduled in your individual timetable. Participation (both on-line and in tutorials) and attendance at tutorials is expected, as this is where the majority of learning occurs. Failure to attend and participate may impact your final results. The timetable for classes can be found on the University web site at: <http://www.timetables.mq.edu.au/>.

Reading preparation

The readings for each weekly on-line module will be available on iLearn. For readings that are journal articles they are available electronically through the library. It is your responsibility to find and download these. For readings that are chapters from a textbook and meet copyright restrictions they will be available on e-reserve as a PDF.

Technology and equipment

On-campus

Teaching rooms are equipped with state of art audio-visual and ICT equipment including iPads, internet connection, high quality video cameras and multiple LCD screens.

Off-campus

To study optimally when off campus you will need to have access to a reliable internet connection to retrieve unit information & at times to submit assessment tasks via iLearn.

Policies and Procedures

Macquarie University policies and procedures are accessible from [Policy Central](#). Students should be aware of the following policies in particular with regard to Learning and Teaching:

Academic Honesty Policy http://mq.edu.au/policy/docs/academic_honesty/policy.html

Assessment Policy http://mq.edu.au/policy/docs/assessment/policy_2016.html

Grade Appeal Policy <http://mq.edu.au/policy/docs/gradeappeal/policy.html>

Complaint Management Procedure for Students and Members of the Public http://www.mq.edu.au/policy/docs/complaint_management/procedure.html

Disruption to Studies Policy (in effect until Dec 4th, 2017): http://www.mq.edu.au/policy/docs/disruption_studies/policy.html

Special Consideration Policy (in effect from Dec 4th, 2017): <https://staff.mq.edu.au/work/strategy-planning-and-governance/university-policies-and-procedures/policies/special-consideration>

In addition, a number of other policies can be found in the [Learning and Teaching Category](#) of Policy Central.

Student Code of Conduct

Macquarie University students have a responsibility to be familiar with the Student Code of Conduct: https://students.mq.edu.au/support/student_conduct/

Results

Results shown in *iLearn*, or released directly by your Unit Convenor, are not confirmed as they are subject to final approval by the University. Once approved, final results will be sent to your student email address and will be made available in [eStudent](#). For more information visit ask.mq.edu.au.

Student Support

Macquarie University provides a range of support services for students. For details, visit <http://students.mq.edu.au/support/>

Learning Skills

Learning Skills (mq.edu.au/learningskills) provides academic writing resources and study strategies to improve your marks and take control of your study.

- [Workshops](#)
- [StudyWise](#)
- [Academic Integrity Module for Students](#)
- [Ask a Learning Adviser](#)

Student Services and Support

Students with a disability are encouraged to contact the [Disability Service](#) who can provide appropriate help with any issues that arise during their studies.

Student Enquiries

For all student enquiries, visit Student Connect at ask.mq.edu.au

IT Help

For help with University computer systems and technology, visit http://www.mq.edu.au/about_us/offices_and_units/information_technology/help/.

When using the University's IT, you must adhere to the [Acceptable Use of IT Resources Policy](#). The policy applies to all who connect to the MQ network including students.

Graduate Capabilities

PG - Capable of Professional and Personal Judgment and Initiative

Our postgraduates will demonstrate a high standard of discernment and common sense in their professional and personal judgment. They will have the ability to make informed choices and decisions that reflect both the nature of their professional work and their personal perspectives.

This graduate capability is supported by:

Learning outcomes

- Examine the challenges to adopting a systems approach to public health
- Analyse the goals, functions, characteristics and organisational structures of the national health care system
- Analyse the roles that various agencies play within health systems in relation to the goal of achieving population health

Assessment task

- Case-study

PG - Discipline Knowledge and Skills

Our postgraduates will be able to demonstrate a significantly enhanced depth and breadth of knowledge, scholarly understanding, and specific subject content knowledge in their chosen fields.

This graduate capability is supported by:

Learning outcomes

- Demonstrate an understanding of how systems underpin healthcare
- Demonstrate an understanding of the current discipline of systems thinking
- Discuss the rationale for adopting a systems approach to address population health issues
- Analyse the roles that various agencies play within health systems in relation to the goal of achieving population health

Assessment tasks

- Reflection
- Case-study
- Presentation

PG - Critical, Analytical and Integrative Thinking

Our postgraduates will be capable of utilising and reflecting on prior knowledge and experience, of applying higher level critical thinking skills, and of integrating and synthesising learning and knowledge from a range of sources and environments. A characteristic of this form of thinking is the generation of new, professionally oriented knowledge through personal or group-based critique of practice and theory.

This graduate capability is supported by:

Learning outcomes

- Demonstrate an understanding of how systems underpin healthcare
- Demonstrate an understanding of the current discipline of systems thinking
- Discuss the rationale for adopting a systems approach to address population health issues
- Examine the challenges to adopting a systems approach to public health
- Analyse the goals, functions, characteristics and organisational structures of the national health care system
- Analyse the roles that various agencies play within health systems in relation to the goal of achieving population health

Assessment tasks

- Reflection
- Case-study
- Presentation

PG - Research and Problem Solving Capability

Our postgraduates will be capable of systematic enquiry; able to use research skills to create new knowledge that can be applied to real world issues, or contribute to a field of study or practice to enhance society. They will be capable of creative questioning, problem finding and problem solving.

This graduate capability is supported by:

Learning outcomes

- Demonstrate an understanding of the current discipline of systems thinking
- Discuss the rationale for adopting a systems approach to address population health issues
- Examine the challenges to adopting a systems approach to public health
- Analyse the goals, functions, characteristics and organisational structures of the national health care system

Assessment tasks

- Reflection
- Case-study
- Presentation

PG - Effective Communication

Our postgraduates will be able to communicate effectively and convey their views to different social, cultural, and professional audiences. They will be able to use a variety of technologically supported media to communicate with empathy using a range of written, spoken or visual formats.

This graduate capability is supported by:

Learning outcomes

- Discuss the rationale for adopting a systems approach to address population health issues
- Examine the challenges to adopting a systems approach to public health
- Analyse the roles that various agencies play within health systems in relation to the goal of achieving population health

Assessment tasks

- Reflection
- Case-study
- Presentation

PG - Engaged and Responsible, Active and Ethical Citizens

Our postgraduates will be ethically aware and capable of confident transformative action in relation to their professional responsibilities and the wider community. They will have a sense of connectedness with others and country and have a sense of mutual obligation. They will be able to appreciate the impact of their professional roles for social justice and inclusion related to national and global issues

This graduate capability is supported by:

Learning outcome

- Analyse the roles that various agencies play within health systems in relation to the goal of achieving population health

Assessment task

- Case-study

Changes since First Published

Date	Description
31/07/2017	Change was made to assessment 1, to reflect student's learning in week 1-3, and improve the clarity of the assessment requirement for the students.