ENV 118

Environmental Management for a Changing World

S2 External 2015

Dept of Environmental Sciences

Contents

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General Information

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Credit points
3

Prerequisites

Corequisites

Co-badged status

Unit description
This unit explores human interactions with the environment through the lens of sustainability and connectivity; concepts that are central to environmental management in our ever-changing world. It will help students to understand their environment from social and scientific viewpoints and will demonstrate how an interdisciplinary approach to environmental management is integral to human and ecosystem health. Current, real-world examples from terrestrial and marine ecosystems, social systems, atmospheric and climate systems, and their dynamic interplay encourage critical thinking about environmental management issues in Australia and globally. This unit is designed for students who care about the environment and the world's future and will lay firm foundations for a range of environmental and planning studies.

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:

> Recognise and define the core concepts of environmental management, including society, environment, sustainability and connectivity.

> Compare and discuss the core concepts of environmental management in relation to major environmental issues and the complex relationships between them.

> Interpret the core concepts of environmental management and provide examples of the ways that population, environment and resources interact to affect human societies and ecosystems at several scales.

> Utilise maps, graphs, statistics and text to construct, analyse and interpret information about key relationships in environmental and human systems.

> Explain connections between resource use, environmental condition and the social, political and economic context of particular situations.

> Write for a target audience and critically read, think about, interpret and evaluate environmental and social data.

General Assessment Information

Submission of Assessment Tasks

All assessment tasks in ENV118 (except the final exam) must be submitted online through Turnitin. Links for the submission of each assessment task will be available on iLearn. Instructions for assignment submission to Turnitin can be found at: http://mq.edu.au/iLearn/student_info/assignments.htm

Your assignments will be marked through Turnitin and your grades will be returned to you online through Turnitin (your grade will be added to the top of your Turnitin submission in the form of a comment, along with other feedback). Please **do not** submit a hardcopy of your assignment/s unless you have obtained prior permission from the lecturer responsible for that assignment.

Penalties for Late Assessments

The penalty for late submission of assessments in ENV118 is ten percent (10 %) of the assessment value per day, calculated from the due time and date. This means that if the assignment is worth a total of 25 marks (or 25 % of the unit) you will lose 2.5 marks for each day late. This is a hefty penalty designed to make you aware of the importance of organising yourself around assessment due dates. The penalty will be applied over weekdays and weekends unless you have been granted an extension by the lecturer responsible for the assignment prior to the due date. To obtain an extension you will need to provide appropriate supporting documentation (e.g. medical certificate). The final decision regarding the late penalty imposed lies with the lecturer responsible for the assignment.

Return of Marked Assessments

Due to the large number of students in ENV118 (>200), we aim to return your assignments with feedback within three weeks of the date that you submit your assignment, and before your next assignment is due. We will advise you through iLearn when your marked assignments are available for viewing.

Exams

Details of University exam conditions and exam timetables can be found at: http://www.exams.mq.edu.au/

It is very important to note that the final exam period includes weekdays and weekends and all students (including international exchange students) are expected to present themselves for the ENV118 exam at the time and place designated in the exam timetable. The timetable will be available in Draft form approximately eight weeks before the commencement of the exams and in Final form approximately four weeks before the commencement of the exams.

Assessment Tasks

Name	Weighting	Due
Assessment 1	15%	Weeks 2 to 12
Assessment 2	25%	Week 6
Assessment 3	25%	Week 9
Assessment 4	35%	Final Exam Period

Assessment 1

Due: **Weeks 2 to 12**
Weighting: **15%**

Tutorial papers, preparation and participation - attend weekly classes and submit online through Turnitin

On successful completion you will be able to:

- Recognise and define the core concepts of environmental management, including society, environment, sustainability and connectivity.
- Compare and discuss the core concepts of environmental management in relation to major environmental issues and the complex relationships between them.

Assessment 2

Due: **Week 6**

Weighting: **25%**

Short to medium format questions - submit online through Turnitin

On successful completion you will be able to:
- Compare and discuss the core concepts of environmental management in relation to major environmental issues and the complex relationships between them.
- Interpret the core concepts of environmental management and provide examples of the ways that population, environment and resources interact to affect human societies and ecosystems at several scales.
- Utilise maps, graphs, statistics and text to construct, analyse and interpret information about key relationships in environmental and human systems.
- Write for a target audience and critically read, think about, interpret and evaluate environmental and social data.

Assessment 3

Due: **Week 9**
Weighting: **25%**

Critical review essay - submit online through Turnitin

On successful completion you will be able to:
- Recognise and define the core concepts of environmental management, including society, environment, sustainability and connectivity.
- Utilise maps, graphs, statistics and text to construct, analyse and interpret information about key relationships in environmental and human systems.
- Explain connections between resource use, environmental condition and the social, political and economic context of particular situations.
- Write for a target audience and critically read, think about, interpret and evaluate environmental and social data.

Assessment 4

Due: **Final Exam Period**
Weighting: **35%**

Formal examination (closed book)

On successful completion you will be able to:
- Compare and discuss the core concepts of environmental management in relation to major environmental issues and the complex relationships between them.

- Interpret the core concepts of environmental management and provide examples of the ways that population, environment and resources interact to affect human societies and ecosystems at several scales.
- Utilise maps, graphs, statistics and text to construct, analyse and interpret information about key relationships in environmental and human systems.
- Explain connections between resource use, environmental condition and the social, political and economic context of particular situations.
- Write for a target audience and critically read, think about, interpret and evaluate environmental and social data.

Delivery and Resources

Delivery
Classes

The timetable for ENV118 can be found at: https://timetables.mq.edu.au/

A detailed class schedule with lecture and tutorial topics will be made available to all enrolled students through iLearn.

ENV118 is taught via lectures, tutorials, readings and assessment tasks. Students must make use of iLearn to access teaching and learning materials, to submit assessment tasks, to stay in touch with the unit, to contact lecturers and tutors, and to discuss issues and concepts with classmates. We also recommend that you follow current developments in the multidisciplinary field of environmental management by staying abreast of the news.

Workload

ENV118 earns 3 credit points towards your degree. University guidelines state that this will involve **at least 3 hours per week, per credit point**. Therefore, for a 3 credit point unit such as ENV118 you are expected to put in at least 9 hours of study per week on average over the semester. This requires planning on your part to do all the work required in lectures, tutorials, assignments, reading and the final exam.

Resources
iLearn

The ENV118 iLearn page can be found at: https://ilearn.mq.edu.au/login/MQ/

Information about how to access iLearn can be found at: http://www.mq.edu.au/iLearn/student_info/index.htm

The ENV118 iLearn page uses Macquarie University's standard interface and has links, discussion threads and access to lectures (as audio files through Echo360, and as downloadable PDF presentations) and tutorial material. Important announcements will be made through iLearn, so please check the ENV118 page regularly.

Echo360

Information about how to access lecture recordings through the Echo360 EchoCenter page in iLearn can be found at: http://mq.edu.au/iLearn/student_info/lecture_recordings.htm

Turnitin

Macquarie University promotes student awareness of information management and information ethics. As well as training and the provision of information, the University tackles the issue of academic honesty through the use of the online program *Turnitin*.

Information about how to submit assignments to Turnitin in iLearn can be found at: http://mq.edu.au/iLearn/student_info/assignments.htm

As well as being a key tool for assignment submission, marking and feedback, Turnitin compares your work with the work of your classmates, with previous students from Macquarie and other universities, with material available on the Internet, and with freely available and subscription-based electronic journals. The results are sent only to your lecturers, who will analyse them in reference to the University's Academic Honesty Policy.

You will be able to access the results of the Turnitin academic honesty scan for your own assignments, known as your 'originality report'. In ENV118, we will allow you to overwrite the initial submission file with a second submission if you choose to do so, but only up until the final due date and time for the assignment. We consider this opportunity to fine-tune your academic honesty a considerable resource, and we hope that you will use this review process constructively to ensure you are referencing other material correctly and effectively.

Recommended Texts

There is no prescribed textbook for ENV118. There are, however, three books that will provide helpful guidance and we recommended that students look up and make use of these texts in the library or online:

- Bridgman, H., Dragovich, D. and Dodson, J. 2008. The Australian Physical Environment. Oxford University Press, Melbourne.
- Goldie, J., Douglas, B. and Furnass, R. (Editors). 2005. In Search of Sustainability. CSIRO Publishing, Melbourne.
- Hatton, T.J., Cork, S., Harper, P., Joy, R., Kanowski, P., Mackay, R., McKenzie, N. and Ward, T. (State of the Environment 2011 Committee). 2011. Australia State of the Environment 2011: An independent report presented to the Australian Government Minister for Sustainability, Environment, Water, Population and Communities. Available online at http://www.environment.gov.au/soe/index.html

We also recommend that students majoring in this field secure a copy of:

- Hay, I. 2012. Communicating in Geography and the Environmental Sciences (Fourth Edition). Oxford University Press, Melbourne.

Relationship to Other Units in Your Study Program

ENV118 is a core part of the Environmental Management major within the BEnv, BSc and BA. It is also a core requirement of the Bachelor of Planning and is a useful unit for any student interested in the environment and a sustainable future. It is taught by staff from the Department of Environment and Geography who have expertise in environmental science and human geography and the nexus between these disciplines. If you need academic advice on your program, please make an appointment to see an academic staff member in the Department of Environment and Geography.

Unit Schedule

Schedule

ENV118 relies on a structured program to facilitate your learning and critical thinking. The unit is taught via lectures, tutorials, readings and assessment tasks. A detailed class schedule will be made available to all enrolled students through iLearn.

Students must attend two lectures and one tutorial per week (Note: there are no tutorials in Weeks 1 or 13).

There are no on-campus sessions for students enrolled in the external mode (X2) of ENV118. Lectures and tutorials will be made available to all students each week on iLearn, along with dedicated discussion threads for external students.

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.html

Grading Policy http://mq.edu.au/policy/docs/grading/policy.html

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

Grievance Management Policy http://mq.edu.au/policy/docs/grievance_management/policy.html

Disruption to Studies Policy http://www.mq.edu.au/policy/docs/disruption_studies/policy.html *The Disruption to Studies Policy is effective from March 3 2014 and replaces the Special Consideration Policy.*

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://informatics.mq.edu.au/help/.

When using the University's IT, you must adhere to the Acceptable Use Policy. The policy applies to all who connect to the MQ network including students.

Graduate Capabilities

Creative and Innovative

Our graduates will also be capable of creative thinking and of creating knowledge. They will be imaginative and open to experience and capable of innovation at work and in the community. We want them to be engaged in applying their critical, creative thinking.

This graduate capability is supported by:

Learning outcomes

- Utilise maps, graphs, statistics and text to construct, analyse and interpret information about key relationships in environmental and human systems.
- Explain connections between resource use, environmental condition and the social, political and economic context of particular situations.
- Write for a target audience and critically read, think about, interpret and evaluate environmental and social data.

Assessment tasks

- Assessment 2
- Assessment 3
- Assessment 4

Commitment to Continuous Learning

Our graduates will have enquiring minds and a literate curiosity which will lead them to pursue knowledge for its own sake. They will continue to pursue learning in their careers and as they participate in the world. They will be capable of reflecting on their experiences and relationships with others and the environment, learning from them, and growing - personally, professionally and socially.

This graduate capability is supported by:

Learning outcomes

- Recognise and define the core concepts of environmental management, including society, environment, sustainability and connectivity.
- Compare and discuss the core concepts of environmental management in relation to major environmental issues and the complex relationships between them.

Assessment tasks

- Assessment 1
- Assessment 2
- Assessment 4

Discipline Specific Knowledge and Skills

Our graduates will take with them the intellectual development, depth and breadth of knowledge, scholarly understanding, and specific subject content in their chosen fields to make them competent and confident in their subject or profession. They will be able to demonstrate, where relevant, professional technical competence and meet professional standards. They will be able to articulate the structure of knowledge of their discipline, be able to adapt discipline-specific knowledge to novel situations, and be able to contribute from their discipline to inter-disciplinary

solutions to problems.

This graduate capability is supported by:

Learning outcomes

- Recognise and define the core concepts of environmental management, including society, environment, sustainability and connectivity.
- Compare and discuss the core concepts of environmental management in relation to major environmental issues and the complex relationships between them.
- Interpret the core concepts of environmental management and provide examples of the ways that population, environment and resources interact to affect human societies and ecosystems at several scales.
- Utilise maps, graphs, statistics and text to construct, analyse and interpret information about key relationships in environmental and human systems.

Assessment tasks

- Assessment 1
- Assessment 2
- Assessment 3
- Assessment 4

Critical, Analytical and Integrative Thinking

We want our graduates to be capable of reasoning, questioning and analysing, and to integrate and synthesise learning and knowledge from a range of sources and environments; to be able to critique constraints, assumptions and limitations; to be able to think independently and systemically in relation to scholarly activity, in the workplace, and in the world. We want them to have a level of scientific and information technology literacy.

This graduate capability is supported by:

Learning outcomes

- Recognise and define the core concepts of environmental management, including society, environment, sustainability and connectivity.
- Compare and discuss the core concepts of environmental management in relation to major environmental issues and the complex relationships between them.
- Interpret the core concepts of environmental management and provide examples of the ways that population, environment and resources interact to affect human societies and ecosystems at several scales.
- Utilise maps, graphs, statistics and text to construct, analyse and interpret information about key relationships in environmental and human systems.

- Explain connections between resource use, environmental condition and the social, political and economic context of particular situations.
- Write for a target audience and critically read, think about, interpret and evaluate environmental and social data.

Assessment tasks

- Assessment 1
- Assessment 2
- Assessment 3
- Assessment 4

Problem Solving and Research Capability

Our graduates should be capable of researching; of analysing, and interpreting and assessing data and information in various forms; of drawing connections across fields of knowledge; and they should be able to relate their knowledge to complex situations at work or in the world, in order to diagnose and solve problems. We want them to have the confidence to take the initiative in doing so, within an awareness of their own limitations.

This graduate capability is supported by:

Learning outcomes

- Interpret the core concepts of environmental management and provide examples of the ways that population, environment and resources interact to affect human societies and ecosystems at several scales.
- Utilise maps, graphs, statistics and text to construct, analyse and interpret information about key relationships in environmental and human systems.
- Explain connections between resource use, environmental condition and the social, political and economic context of particular situations.
- Write for a target audience and critically read, think about, interpret and evaluate environmental and social data.

Assessment tasks

- Assessment 2
- Assessment 3
- Assessment 4

Effective Communication

We want to develop in our students the ability to communicate and convey their views in forms effective with different audiences. We want our graduates to take with them the capability to read, listen, question, gather and evaluate information resources in a variety of formats, assess,

write clearly, speak effectively, and to use visual communication and communication technologies as appropriate.

This graduate capability is supported by:

Learning outcomes

- Compare and discuss the core concepts of environmental management in relation to major environmental issues and the complex relationships between them.
- Interpret the core concepts of environmental management and provide examples of the ways that population, environment and resources interact to affect human societies and ecosystems at several scales.
- Utilise maps, graphs, statistics and text to construct, analyse and interpret information about key relationships in environmental and human systems.
- Explain connections between resource use, environmental condition and the social, political and economic context of particular situations.
- Write for a target audience and critically read, think about, interpret and evaluate environmental and social data.

Assessment tasks

- Assessment 1
- Assessment 2
- Assessment 3
- Assessment 4

Engaged and Ethical Local and Global citizens

As local citizens our graduates will be aware of indigenous perspectives and of the nation's historical context. They will be engaged with the challenges of contemporary society and with knowledge and ideas. We want our graduates to have respect for diversity, to be open-minded, sensitive to others and inclusive, and to be open to other cultures and perspectives: they should have a level of cultural literacy. Our graduates should be aware of disadvantage and social justice, and be willing to participate to help create a wiser and better society.

This graduate capability is supported by:

Learning outcomes

- Recognise and define the core concepts of environmental management, including society, environment, sustainability and connectivity.
- Compare and discuss the core concepts of environmental management in relation to major environmental issues and the complex relationships between them.
- Interpret the core concepts of environmental management and provide examples of the ways that population, environment and resources interact to affect human societies and

ecosystems at several scales.

Assessment tasks

- Assessment 1
- Assessment 2
- Assessment 4

Socially and Environmentally Active and Responsible

We want our graduates to be aware of and have respect for self and others; to be able to work with others as a leader and a team player; to have a sense of connectedness with others and country; and to have a sense of mutual obligation. Our graduates should be informed and active participants in moving society towards sustainability.

This graduate capability is supported by:

Learning outcomes

- Recognise and define the core concepts of environmental management, including society, environment, sustainability and connectivity.
- Compare and discuss the core concepts of environmental management in relation to major environmental issues and the complex relationships between them.
- Interpret the core concepts of environmental management and provide examples of the ways that population, environment and resources interact to affect human societies and ecosystems at several scales.

Assessment tasks

- Assessment 1
- Assessment 2
- Assessment 4