ENVS1018

Environmental Management for a Changing World

Session 2, Infrequent attendance, North Ryde 2021

Archive (Pre-2022) - Department of Earth and Environmental Sciences

Contents

Disclaimer

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Session 2 Learning and Teaching Update

The decision has been made to conduct study online for the remainder of Session 2 for all units WITHOUT mandatory on-campus learning activities. Exams for Session 2 will also be online where possible to do so.

This is due to the extension of the lockdown orders and to provide certainty around arrangements for the remainder of Session 2. We hope to return to campus beyond Session 2 as soon as it is safe and appropriate to do so.

Some classes/teaching activities cannot be moved online and must be taught on campus. You should already know if you are in one of these classes/teaching activities and your unit convenor will provide you with more information via iLearn. If you want to confirm, see the list of units with mandatory on-campus classes/teaching activities.

Visit the MQ COVID-19 information page for more detail.

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General Information

Unit convenor and teaching staff
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Credit points
10

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 geographical 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:

ULO1: Define the core concepts of environmental management, including society, environment, sustainability and connectivity.

ULO2: Describe examples of the ways that population, environment and resources interact to affect human societies and ecosystems, from local to global scales.

ULO3: Utilise maps, graphs and other forms of environmental and social data to analyse the key relationships in environmental and human systems.

ULO4: Critically review information relating to environmental management issues and communicate the results to a target audience.

ULO5: Demonstrate foundational learning skills including active engagement in the learning process.

General Assessment Information

Assessment criteria Assessment at Macquarie is standards-based, as outlined in the Assessment Policy. This means that your work in ENVS1018 will be assessed against clear criteria, and these criteria will be made available to you via iLearn before the assessment tasks are due.

Submission of Assessment Tasks All assessment tasks in ENVS1018 must be submitted online through iLearn and Turnitin. Links for the submission of each assessment task will be available on iLearn. Your assignments will be marked and your grades will be returned to you in the online Gradebook, along with feedback noted on the assignment itself. Please do not submit email or hard copies of your assignments.

Penalties for Late Assessments The penalty for late submission of assessments in ENVS1018 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.

Extensions for Assessments To obtain an extension for an assessment task, you need to follow the formal process as outlined in the Special Consideration policy. You can submit your case for special consideration via ask.mq.edu.au and you must provide appropriate supporting documentation (e.g. medical certificate).

Return of Marked Assessments Due to the large number of students in ENVS1018, 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.

Assessment Tasks

Name	Weighting	Hurdle	Due
Online quiz	15%	No	Weeks 5, 9, 13
Data analysis	30%	No	Week 6
Podcast	25%	No	Week 9
Poster	30%	No	Week 13
Weekly tutorials	0%	Yes	Weekly

Online quiz

Assessment Type [1]: Quiz/Test
Indicative Time on Task [2]: 8 hours
Due: **Weeks 5, 9, 13**
Weighting: **15%**

Online quizzes covering key concepts

On successful completion you will be able to:

- Define the core concepts of environmental management, including society, environment, sustainability and connectivity.
- Critically review information relating to environmental management issues and communicate the results to a target audience.
- Demonstrate foundational learning skills including active engagement in the learning process.

Data analysis

Assessment Type [1]: Quantitative analysis task
Indicative Time on Task [2]: 20 hours
Due: **Week 6**
Weighting: **30%**

Analysis and interpretation of environmental data

On successful completion you will be able to:

- Define the core concepts of environmental management, including society, environment, sustainability and connectivity.
- Describe examples of the ways that population, environment and resources interact to affect human societies and ecosystems, from local to global scales.
- Utilise maps, graphs and other forms of environmental and social data to analyse the key relationships in environmental and human systems.
- Critically review information relating to environmental management issues and communicate the results to a target audience.

Podcast

Assessment Type [1]: Media presentation
Indicative Time on Task [2]: 15 hours
Due: **Week 9**
Weighting: **25%**

Podcast focusing on current environmental issues

On successful completion you will be able to:

- Define the core concepts of environmental management, including society, environment, sustainability and connectivity.
- Describe examples of the ways that population, environment and resources interact to affect human societies and ecosystems, from local to global scales.
- Utilise maps, graphs and other forms of environmental and social data to analyse the key relationships in environmental and human systems.
- Critically review information relating to environmental management issues and communicate the results to a target audience.

Poster

Assessment Type [1]: Poster
Indicative Time on Task [2]: 20 hours
Due: **Week 13**
Weighting: **30%**

Poster and interpretation on the topic of: Solutions for contemporary environmental crises

On successful completion you will be able to:
- Define the core concepts of environmental management, including society, environment, sustainability and connectivity.
- Describe examples of the ways that population, environment and resources interact to affect human societies and ecosystems, from local to global scales.
- Utilise maps, graphs and other forms of environmental and social data to analyse the key relationships in environmental and human systems.
- Critically review information relating to environmental management issues and communicate the results to a target audience.

Weekly tutorials

Assessment Type [1]: Participatory task
Indicative Time on Task [2]: 20 hours
Due: **Weekly**
Weighting: **0%**
This is a hurdle assessment task (see assessment policy for more information on hurdle assessment tasks)

Includes completion of the required readings, related summary and worksheet for each weekly tutorial .

On successful completion you will be able to:
- Demonstrate foundational learning skills including active engagement in the learning process.

[1] If you need help with your assignment, please contact:

- the academic teaching staff in your unit for guidance in understanding or completing this type of assessment
- the Writing Centre for academic skills support.

[2] Indicative time-on-task is an estimate of the time required for completion of the assessment task and is subject to individual variation

Delivery and Resources

Classes

ENVS1018 relies on a structured teaching program to facilitate your learning and critical thinking. The unit is taught via interactive lectures, tutorials, readings, and assessment tasks.

Students must listen to one two-hour lecture and complete one one-hour tutorial class per week (note: a tutorial is held in week 1, there no tutorials in Week 13).

Infrequent attendance students must listen to the lectures via iLearn (Echo360) and complete the asynchronous iLearn forum version of the tutorial program hosted by a tutor in a dedicated forum on iLearn by the set deadlines. There are no on-campus sessions for students enrolled in the Infrequent attendance mode of ENVS1018.

The timetable for ENVS1018 can be found at: https://timetables.mq.edu.au/2021/

A detailed class schedule with lecture and tutorial topics is available on iLearn.

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

ENVS1018 earns 10 credit points towards your degree. For a 10 credit point unit such as ENVS1018, you are expected to dedicate 150 hours over the semester.

This requires planning on your part to do all the work required in lectures, tutorials and assignments.

iLearn

ENVS1018 iLearn login page: https://ilearn.mq.edu.au/login/

The ENVS1018 iLearn page uses Macquarie University's standard interface and has links, discussion threads, blogs, 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 ENVS1018 page regularly.

Echo360

Information about how to access lecture recordings through the Echo360 EchoCenter page in iLearn can be found at: https://students.mq.edu.au/support/study/tools-and-resources/ilearn/ilearn-quick-guides-for-students/lecture-recordings

Turnitin

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

Information about how to submit assignments to Turnitin in iLearn can be found at: https://students.mq.edu.au/support/technology/systems/ilearn/assignments-grades

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 Integrity 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 ENVS1018, 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 and Readings

There is no prescribed textbook for ENVS1018. However, these books and reports will provide helpful guidance and we recommended that students look up and make use of these texts in the library or online:

• Hay, I. 2012 *Communicating in geography and the environmental sciences* (Fourth ed.). Melbourne, Vic: Oxford University Press (also available as an e-book).

• Jackson, W.J., Argent, R.M., Bax, N.J., Bui, E., Clark, G.F., Coleman, S., Cresswell, I.D., Emmerson, K.M., Evans, K., Hibberd, M. F. Johnston, E.L. Keywood, M.S., Klekociuk, A., Mackay, R., Metcalfe, D., Murphy, H., Rankin, A., Smith, D.C., and Wiencke, B 2016. *Australia State of the Environment 2016*. Australian Government Department of the Environment and Energy, Canberra. Available online at https://soe.environment.gov.au/

• Rose, D.B. 1996 *Nourishing terrains: Australian Aboriginal views of landscape and wilderness*. Australian Heritage Commission, Canberra.

• Gibson, K., Rose, D.B. and Fincher, R., 2015. *Manifesto for Living in the Anthropocene*. Punctum books, Brooklyn, NY.

There are a range of readings relevant to the tutorial and lecture program. You will be guided through these via the iLearn site. To find these items go to the Macquarie University Leganto site - link available on iLearn.

Unit Schedule

Please see iLearn for a more detailed unit schedule.

	Lectures	Tutorials
Tues 27 Jul	**L1** Introduction to ENVS1018 – staff, expectations, assignments **L2** Key concept 1: Sustainability	**T1:** Introductions and studying in an academic environment
3 Aug	**L3** Key concept 2: Connectivity **L4** Key concept 3: Environment and society	**T2:** Sustainability, connectivity, environment & society

10 Aug	**L5** Natural Resource Management issues **L6** Indigenous knowledge in environmental management	**T3:** Exploring the Bureau of Meteorology (BOM) website for climate data: Part 1
17 Aug	**L7** Water: a global perspective **L8** Industry and agriculture	**T4:** Exploring the BOM website: Part 2
24 Aug	**L9** Coastal management and sea level rise (Prof. Neil Saintilan) **L10** Marine Protected Areas	**T5:** Hazard and Risk
31 Aug	**L11** Waste management and recycling **L12** Planetary boundaries in the Anthropocene	**T6:** Resources and Sustainability
7 Sept	**L13** Energy transitions and Sustainability (Dr Chris Briggs) **L14** Climate change and our life support system (Prof. Lesley Hughes)	**T7:** Communicating environmental issues
28 Sept	**15** Terrestrial biodiversity management **16** Urban sustainability on the coast	**T8:** Solutions for contemporary environmental crises: poster preparation
5 Oct	**17** Human rights as an environmental issue **18** Development, population & inequality	**T9:** Population-Environment Connections
12 Oct	**19** Consumption and ecological footprinting **20** Biodiversity conservation - access and benefit sharing (Dr Margaret Raven)	**T10:** Consumption and scales of responsibility
19 Oct	**21** Healing Country: Cultural Burning (Lauren Tynan) **22** Healing Country: Yanama Budyari Gumada (Uncle Lex Dadd)	**T11:** Healing Country and Reimagining futures I
26 Oct	**23** Rethinking environmental management in a dramatically changing world **24** Future study and career options	**T12:** Healing Country and Reimagining futures II
2 Nov	There will no lectures or tutorials this week to enable you to complete your final assignment, including engaging with each other's work.	

Policies and Procedures

Macquarie University policies and procedures are accessible from Policy Central (https://policies.mq.edu.au). Students should be aware of the following policies in particular with regard to Learning and Teaching:

- Academic Appeals Policy

- Academic Integrity Policy
- Academic Progression Policy
- Assessment Policy
- Fitness to Practice Procedure
- Grade Appeal Policy
- Complaint Management Procedure for Students and Members of the Public
- Special Consideration Policy

Students seeking more policy resources can visit Student Policies (https://students.mq.edu.au/support/study/policies). It is your one-stop-shop for the key policies you need to know about throughout your undergraduate student journey.

To find other policies relating to Teaching and Learning, visit Policy Central (https://policies.mq.edu.au) and use the search tool.

Student Code of Conduct

Macquarie University students have a responsibility to be familiar with the Student Code of Conduct: https://students.mq.edu.au/admin/other-resources/student-conduct

Results

Results published on platform other than eStudent, (eg. iLearn, Coursera etc.) 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 or if you are a Global MBA student contact globalmba.support@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 help you improve your marks and take control of your study.

- Getting help with your assignment
- Workshops
- StudyWise
- Academic Integrity Module

The Library provides online and face to face support to help you find and use relevant information resources.

- Subject and Research Guides
- Ask a Librarian

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

If you are a Global MBA student contact globalmba.support@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.