



ENVS362

Environmental Management

S2 External 2018

Dept of Environmental Sciences

Contents

<u>General Information</u>	2
<u>Learning Outcomes</u>	3
<u>Assessment Tasks</u>	3
<u>Delivery and Resources</u>	7
<u>Unit Schedule</u>	9
<u>Policies and Procedures</u>	11
<u>Graduate Capabilities</u>	12
<u>Changes from Previous Offering</u>	19

Disclaimer

Macquarie University has taken all reasonable measures to ensure the information in this publication is accurate and up-to-date. However, the information may change or become out-dated as a result of change in University policies, procedures or rules. The University reserves the right to make changes to any information in this publication without notice. Users of this publication are advised to check the website version of this publication [or the relevant faculty or department] before acting on any information in this publication.

General Information

Unit convenor and teaching staff

Unit convenor/ Senior Lecturer

Emilie Ens

emilie.ens@mq.edu.au

Department of Environmental Sciences

By email appointment

Senior Lecturer

Grant Edwards

grant.edwards@mq.edu.au

Department of Environmental Sciences

By email appointment

Lecturer

Kerrie Tomkins

kerrie.tomkins@mq.edu.au

Department of Environmental Sciences

By email appointment

Stuart Browning

stuart.browning@mq.edu.au

Credit points

3

Prerequisites

39cp at 100 level or above including [(ENV267 or GEOS267 or ENVE214 or ENVS214) and (3cp in ENV or ENVE or ENVG or ENVS or GEOP units at 300 level)]

Corequisites

Co-badged status

Unit description

This unit provides an advanced understanding of the interdisciplinary links between environmental research, management strategies and policy frameworks that are fundamental to environmental management. We explore significant issues and challenges associated with managing our dynamic environment, including catchment assessment and prioritisation, river and wetland rehabilitation, land degradation and recovery, coastal erosion, atmospheric pollution, climate change, and variability. To emphasise practical applications and outcomes, the unit includes a field visit to sites of environmental importance in the Sydney region and students develop skills in environmental impact assessment and professional literacy that are designed to enhance employability.

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:

Identify and define the key terms, concepts and approaches in environmental management.

Review and understand the principal threats to environmental systems and key approaches to environmental management.

Interpret and communicate complex issues in environmental management and match appropriate management strategies to particular environmental settings and problems.

Utilise maps, graphs, statistics, images and text to construct, analyse and interpret information for diverse stakeholders in environmental management.

Articulate current and future strategies to meet the needs of environmental management in Australia.

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

Assessment Tasks

Name	Weighting	Hurdle	Due
1. Module quizzes	20%	Yes	At the end of each module
2. Biocultural Values Video	20%	No	5pm 3/9/2018
3. REF and peer commentary	20%	No	5pm 1/10/2018

Name	Weighting	Hurdle	Due
4. Regional air quality report	20%	No	5pm 29/10/2018
5. Sustainability Grant	20%	No	5pm 19/11/2017

1. Module quizzes

Due: **At the end of each module**

Weighting: **20%**

This is a hurdle assessment task (see [assessment policy](#) for more information on hurdle assessment tasks)

Each student will need to complete each online Module quiz by the following dates:

Module 1: 5pm Monday 27th August

Module 2: 5pm Monday 17th September

Module 3: 5pm Monday 22nd October

Module 4: 5pm Monday 5th November

On successful completion you will be able to:

- Identify and define the key terms, concepts and approaches in environmental management.
- Utilise maps, graphs, statistics, images and text to construct, analyse and interpret information for diverse stakeholders in environmental management.

2. Biocultural Values Video

Due: **5pm 3/9/2018**

Weighting: **20%**

Students are required to produce a 3-5 minute video of biocultural values of Mars Creek, including maps done in class and audio-visual data taken on the field trip. More information will be provided in Module 1 Lectures and Tutorials.

On successful completion you will be able to:

- Identify and define the key terms, concepts and approaches in environmental management.
- Review and understand the principal threats to environmental systems and key approaches to environmental management.
- Interpret and communicate complex issues in environmental management and match appropriate management strategies to particular environmental settings and problems.

- Utilise maps, graphs, statistics, images and text to construct, analyse and interpret information for diverse stakeholders in environmental management.
- Articulate current and future strategies to meet the needs of environmental management in Australia.
- Write for a target audience and critically read, think about, interpret and evaluate environmental and social science data.

3. REF and peer commentary

Due: **5pm 1/10/2018**

Weighting: **20%**

Submit online through turnitin. **There are 2 parts to this assignment.** More information will be provided through ilearn and in class.

Part 1 Review of Environmental Factors (REF)

This is a problem based and applied learning assessment task. The aim of this assessment is to strategically assess the environmental impact of a specific activity on the environment. This will test your application of environmental and planning knowledge, problem based skills and working in a group. You will need to understand the legal requirements relevant to the development of a review of environmental factors, consider the specific site impacts and broader planning and policy landscape and contextualise your proposal and argue for its support.

This is group assignment. You are to form your own groups based primarily on those in your tutorial.

Part 2 Peer to Peer feedback

Once your group has completed a draft REF (that may be the consolidation of your individually allocated tasks), you are each required to review the draft and provide a 1 page written feedback on the document. In effect for this task you are taking on the role of an internal project reviewer.

On successful completion you will be able to:

- Identify and define the key terms, concepts and approaches in environmental management.
- Review and understand the principal threats to environmental systems and key approaches to environmental management.
- Interpret and communicate complex issues in environmental management and match appropriate management strategies to particular environmental settings and problems.
- Utilise maps, graphs, statistics, images and text to construct, analyse and interpret information for diverse stakeholders in environmental management.
- Articulate current and future strategies to meet the needs of environmental management in Australia.

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

4. Regional air quality report

Due: **5pm 29/10/2018**

Weighting: **20%**

Submit online through turnitin

For this Assessment Task you are required to compile a regional Air Quality report for the Mars Creek area. Further details will be provided later in the Semester.

On successful completion you will be able to:

- Identify and define the key terms, concepts and approaches in environmental management.
- Review and understand the principal threats to environmental systems and key approaches to environmental management.
- Interpret and communicate complex issues in environmental management and match appropriate management strategies to particular environmental settings and problems.
- Utilise maps, graphs, statistics, images and text to construct, analyse and interpret information for diverse stakeholders in environmental management.
- Articulate current and future strategies to meet the needs of environmental management in Australia.
- Write for a target audience and critically read, think about, interpret and evaluate environmental and social science data.

5. Sustainability Grant

Due: **5pm 19/11/2017**

Weighting: **20%**

Submit online through turnitin

This assessment task requires you to use the MQ Sustainability Representative Network Grant guidelines and application form, and your knowledge of water quality in Mars Creek, to write a grant application focusing on stream health. Your application needs to address one of the criteria such as, raising awareness, reducing impacts, or promoting social responsibility and well-being. Further details will be provided in the module.

On successful completion you will be able to:

- Identify and define the key terms, concepts and approaches in environmental management.

- Review and understand the principal threats to environmental systems and key approaches to environmental management.
- Interpret and communicate complex issues in environmental management and match appropriate management strategies to particular environmental settings and problems.
- Utilise maps, graphs, statistics, images and text to construct, analyse and interpret information for diverse stakeholders in environmental management.
- Articulate current and future strategies to meet the needs of environmental management in Australia.
- Write for a target audience and critically read, think about, interpret and evaluate environmental and social science data.

Delivery and Resources

Delivery

Classes

The timetable for ENV5362 can be found at: <https://timetables.mq.edu.au/>. A detailed class schedule with lecture and practical topics (including external students' compulsory on-campus days) is provided below. Check iLearn regularly for any class schedule updates.

ENV5362 is taught via lectures, practicals, field trips, readings and assessment tasks. It is offered to internal and external students. Students should make use of iLearn to access teaching and learning materials, to submit assignments, to stay in touch with the unit, to contact lecturers, and to discuss issues and concepts with classmates.

Workload

ENV5362 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 you are expected to put in at least 9 hours of study per week on average over the semester; around 135 hours in total. This requires planning on your part to do all the work required in lectures, practicals, assignments, and the readings.

Resources

iLearn

The ENV5362 iLearn page can be found at: <https://ilearn.mq.edu.au/login/MQ/>

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

The 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 practical material. Important announcements will be made through iLearn, so please check the ENV5362 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 ENVE362, 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 ENV5362, however, you are expected to complete the weekly readings and the following books may be of particular interest:

- Allan, C. and Stankey, G.H. (Eds.) 2009. Adaptive Environmental Management: A Practitioner's Guide. Springer, New York, and CSIRO Publishing.
- Conacher, A. and Conacher, J. 2000. Environmental Planning and Management in Australia. Oxford University Press, U.K.
- Dovers, S. and Wild River, S. (Eds.) 2003. Managing Australia's Environment. The Federation Press, Leichhardt, New South Wales.
- Burns, E., D. Lindenmayer, A. Lowe and N. Thurgate (Eds). 2014. Biodiversity and Environmental Change: Monitoring, Challenges and Direction, CSIRO Publishing.
- Hay, I. 2012. Communicating in Geography and the Environmental Sciences (Fourth Edition). Oxford University Press, Melbourne.
- Keen, M., V. A. Brown and R. Dyball. 2005. Social learning in environmental management: towards a sustainable future, Routledge.

The following journals may also be particularly useful:

- *Journal of Environmental Management*
- *Australasian Journal of Environmental Management*
- *Environment International*
- *Ecological Management and Restoration*
- *Air Quality and Climate Change*
- *Science of the Total Environment*

Also check out the following websites for the latest information on global and Australian environments and their management:

- Australia State of the Environment 2016. Available online at <http://www.environment.gov.au/soe/index.html>
- Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services <http://www.ipbes.net/about-us>
- United Nations Environment Program <http://www.unep.org>

Unit Schedule

ENV5362 relies on a structured program that links lectures to practicals, field work and assessment tasks to facilitate your learning, skill development and critical thinking. We have also included some Masterclasses to build your practical skills. The Unit schedule is provided in the table below. Full details and any changes will be provided on iLearn.

Internal students must attend two lectures and one practical per week.

External students should listen to lectures via Echo360. For external students all practical classes (and field work) will be run over 2 compulsory on-campus sessions: all day Saturday 18th August (8am - 5pm) and all day Saturday the 6th of October (8am - 5pm). Meet your lecturers at the entrance of 11 Wally's Walk.

Wk	Lecture Dates	Lecture Topics (Fri 10-12) 25aWW Rm290	Practical Classes E5A270 (W 12-2; W 4-6; F 8-10am)	Assessment Tasks; External Student Sessions
MODULE 1: People and Communicating in Environmental Management (EE)				
1	3 Aug	L1 Intro and Cultural awareness (Guest speaker) L2 MASTERCLASS : Intro to Making your own App *BRING YOUR LAPTOP	P1 Mars Creek mapping and AHIMS data (GIS)	* You must attend Lecture 1 before Prac 2
2	10 Aug	L3 People in Environmental Management L4 Indigenous land and Sea Management	P2 * MASTERCLASS continued : Make your own field data collection App	

3	17 Aug	<p>L5 Global-local biodiversity conservation</p> <p>L6 Conservation and the “market”</p>	<p>P3 FIELD TRIP Mars Creek Recording biocultural values using your App</p>	<p>External On-campus 1:</p> <p>11 Wally's Walk, PC Lab 260</p> <p>Pracs 1-7, Sat 18th August 8-5pm</p>
4	24 Aug	<p>L7 Effective communication in Environmental Management</p> <p>L8 MASTERCLASS: Communication through film (required for Assessment Task 2) * BRING YOUR LAPTOP</p>	<p>P4 Adding your field data to your GIS map</p>	<p>MODULE 1 Quiz Due: Mon 27 Aug 5pm (5%)</p>
MODULE 2: Environmental Planning and Assessment (TBA)				
5	31 Aug	<p>L9 Environmental Planning</p> <p>L10 Development Assessment</p>	<p>P5 MASTERCLASS: Preparing your REF</p>	<p>ASSESSMENT 2 DUE: Mon Sept 3 (20%)</p>
6	7 Sep	<p>L11 Urban Water Planning</p> <p>L12 MASTERCLASS: How to give peer to Peer feedback</p>	<p>P6 FIELD TRIP Mars Creek Site visit and inspection</p>	
7	14 Sep	<p>L13 Environmental governance</p> <p>L14 MASTERCLASS: Ethics and the workplace</p>	<p>P7 Integrating your field inspection into your REF</p>	<p>MODULE 2 Quiz Due: Mon 17 Sept 5pm (5%)</p>
Mid-Semester Break (17th Sept - 1st Oct)				
MODULE 3: Atmospheric Management (GE)				
8	5 Oct	<p>L15 Atmospheric module introduction</p> <p>L16 Atmospheric concepts</p>	<p>P8 Air pollution monitoring networks</p>	<p>ASSESSMENT 3 DUE: Mon Oct 1 (20%)</p>
9	12 Oct	<p>L17 A sustainable atmosphere</p> <p>L18 Air pollution issues</p>	<p>P9 Tools for working with air quality data</p>	<p>External On-campus 2:</p> <p>11 Wally's Walk, PC Lab 260</p> <p>Pracs 8-13, Sat 6th Oct 8-5pm</p>
10	18 Oct	<p>L19 Air quality management</p> <p>L20 Agricultural pollution management case studies</p>	<p>P10 FIELD TRIP Visit MQ OEH air quality station</p>	<p>MODULE 3 Quiz Due: Mon 22 Oct 5pm (5%)</p>
MODULE 4: Monitoring, Evaluation, Reporting (KT)				

11	26 Oct	L21 Why monitor? L22 Experimental Design	P11 Design a spatial water quality monitoring program for Mars Creek	ASSESSMENT 4 DUE: Mon 29 October 5pm (20%)
12	2 Nov	L23 Analysis and reporting L24 MASTERCLASS: Applying for grants	P12 FIELD TRIP Mars Creek Collect water quality data	
13	9 Nov	L25 MASTERCLASS: Create your future L26 MASTERCLASS: Find potential employers	P13 Water quality data analysis	MODULE 4 Quiz Due: Mon 5 Nov 5pm (5%) ASSESSMENT 5 Due: Mon 19 Nov 5pm (20%)
EE - Emilie Ens, GE - Grant Edwards, KT - Kerrie Tomkins, TBA - To be advised				

Policies and Procedures

Macquarie University policies and procedures are accessible from [Policy Central \(https://staff.mq.edu.au/work/strategy-planning-and-governance/university-policies-and-procedures/policy-central\)](https://staff.mq.edu.au/work/strategy-planning-and-governance/university-policies-and-procedures/policy-central). 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](#) (**Note:** *The Special Consideration Policy is effective from 4 December 2017 and replaces the Disruption to Studies Policy.*)

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

If you would like to see all the policies relevant to Learning and Teaching visit [Policy Central \(https://staff.mq.edu.au/work/strategy-planning-and-governance/university-policies-and-procedures/policy-central\)](https://staff.mq.edu.au/work/strategy-planning-and-governance/university-policies-and-procedures/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/study/getting-started/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

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, images and text to construct, analyse and interpret information for diverse stakeholders in environmental management.
- Articulate current and future strategies to meet the needs of environmental management in Australia.
- Write for a target audience and critically read, think about, interpret and evaluate environmental and social science data.

Assessment tasks

- 1. Module quizzes
- 2. Biocultural Values Video
- 5. Sustainability Grant

Capable of Professional and Personal Judgement and Initiative

We want our graduates to have emotional intelligence and sound interpersonal skills and to demonstrate discernment and common sense in their professional and personal judgement. They will exercise initiative as needed. They will be capable of risk assessment, and be able to handle ambiguity and complexity, enabling them to be adaptable in diverse and changing environments.

This graduate capability is supported by:

Learning outcomes

- Review and understand the principal threats to environmental systems and key approaches to environmental management.
- Utilise maps, graphs, statistics, images and text to construct, analyse and interpret information for diverse stakeholders in environmental management.
- Articulate current and future strategies to meet the needs of environmental management in Australia.
- Write for a target audience and critically read, think about, interpret and evaluate environmental and social science data.

Assessment tasks

- 1. Module quizzes
- 2. Biocultural Values Video
- 3. REF and peer commentary
- 4. Regional air quality report
- 5. Sustainability Grant

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

- Identify and define the key terms, concepts and approaches in environmental management.
- Review and understand the principal threats to environmental systems and key approaches to environmental management.
- Interpret and communicate complex issues in environmental management and match appropriate management strategies to particular environmental settings and problems.
- Utilise maps, graphs, statistics, images and text to construct, analyse and interpret information for diverse stakeholders in environmental management.
- Write for a target audience and critically read, think about, interpret and evaluate environmental and social science data.

Assessment tasks

- 1. Module quizzes
- 2. Biocultural Values Video
- 3. REF and peer commentary
- 4. Regional air quality report
- 5. Sustainability Grant

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

- Identify and define the key terms, concepts and approaches in environmental

management.

- Review and understand the principal threats to environmental systems and key approaches to environmental management.
- Interpret and communicate complex issues in environmental management and match appropriate management strategies to particular environmental settings and problems.
- Utilise maps, graphs, statistics, images and text to construct, analyse and interpret information for diverse stakeholders in environmental management.
- Articulate current and future strategies to meet the needs of environmental management in Australia.

Assessment tasks

- 1. Module quizzes
- 2. Biocultural Values Video
- 3. REF and peer commentary
- 4. Regional air quality report
- 5. Sustainability Grant

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

- Identify and define the key terms, concepts and approaches in environmental management.
- Review and understand the principal threats to environmental systems and key approaches to environmental management.
- Interpret and communicate complex issues in environmental management and match appropriate management strategies to particular environmental settings and problems.
- Utilise maps, graphs, statistics, images and text to construct, analyse and interpret information for diverse stakeholders in environmental management.
- Articulate current and future strategies to meet the needs of environmental management in Australia.
- Write for a target audience and critically read, think about, interpret and evaluate environmental and social science data.

Assessment tasks

- 1. Module quizzes
- 2. Biocultural Values Video
- 3. REF and peer commentary
- 4. Regional air quality report
- 5. Sustainability Grant

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

- Identify and define the key terms, concepts and approaches in environmental management.
- Review and understand the principal threats to environmental systems and key approaches to environmental management.
- Interpret and communicate complex issues in environmental management and match appropriate management strategies to particular environmental settings and problems.
- Utilise maps, graphs, statistics, images and text to construct, analyse and interpret information for diverse stakeholders in environmental management.
- Articulate current and future strategies to meet the needs of environmental management in Australia.
- Write for a target audience and critically read, think about, interpret and evaluate environmental and social science data.

Assessment tasks

- 1. Module quizzes
- 2. Biocultural Values Video
- 3. REF and peer commentary
- 4. Regional air quality report
- 5. Sustainability Grant

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

- Review and understand the principal threats to environmental systems and key approaches to environmental management.
- Interpret and communicate complex issues in environmental management and match appropriate management strategies to particular environmental settings and problems.
- Utilise maps, graphs, statistics, images and text to construct, analyse and interpret information for diverse stakeholders in environmental management.
- Articulate current and future strategies to meet the needs of environmental management in Australia.
- Write for a target audience and critically read, think about, interpret and evaluate environmental and social science data.

Assessment tasks

- 2. Biocultural Values Video
- 3. REF and peer commentary
- 4. Regional air quality report
- 5. Sustainability Grant

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

- Identify and define the key terms, concepts and approaches in environmental management.

- Review and understand the principal threats to environmental systems and key approaches to environmental management.
- Interpret and communicate complex issues in environmental management and match appropriate management strategies to particular environmental settings and problems.
- Articulate current and future strategies to meet the needs of environmental management in Australia.
- Write for a target audience and critically read, think about, interpret and evaluate environmental and social science data.

Assessment tasks

- 1. Module quizzes
- 2. Biocultural Values Video
- 3. REF and peer commentary
- 4. Regional air quality report
- 5. Sustainability Grant

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

- Identify and define the key terms, concepts and approaches in environmental management.
- Review and understand the principal threats to environmental systems and key approaches to environmental management.
- Interpret and communicate complex issues in environmental management and match appropriate management strategies to particular environmental settings and problems.
- Articulate current and future strategies to meet the needs of environmental management in Australia.
- Write for a target audience and critically read, think about, interpret and evaluate environmental and social science data.

Assessment tasks

- 1. Module quizzes
- 2. Biocultural Values Video

- 3. REF and peer commentary
- 4. Regional air quality report
- 5. Sustainability Grant

Changes from Previous Offering

The field trip location for 2018 has changed from previous offerings. We have created more diverse Assessment Tasks and introduced Masterclasses to develop students "work ready" skills.