



# GEOP603

## Rethinking Resource Management

S1 Day 2019

*Department of Geography and Planning*

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#### **Disclaimer**

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## General Information

Unit convenor and teaching staff

Convenor/Lecturer/tutor

Jessica McLean

[jessica.mclean@mq.edu.au](mailto:jessica.mclean@mq.edu.au)

Contact via Email

6 First Walk, room 416

Tuesday mornings, 10am-12pm.

Credit points

4

Prerequisites

Admission to MEnv or MEnvPlan or MPlan or GradCertEnvPlan or GradDipEnv or GradCertEnv or MSusDev or GradDipSusDev or GradCertSusDev

Corequisites

Co-badged status

Unit description

This unit is for students from non-cognate disciplines interested in pursuing postgraduate research in environment. These units introduce students to core environmental concepts and topics. This unit uses local, international and global case studies, including those of Indigenous peoples, to examine the social, political, economic and cultural consequences of resource management decisions. The unit is accessible for students with a broad range of backgrounds and develops foundational knowledge and skills relating to environment and sustainability in order to facilitate higher-level 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:

Knowledge of contemporary resource management issues, focusing on the impacts of these for Indigenous peoples

Conceptual tools to respond to resource management geopolitics

Critical awareness of and skills in human geography - including negotiation, critical

analysis and reflexivity skills

See issues from a number of perspectives to gain insight in to the complexity of resource management dilemmas

Understand the relevance of social justice, values and ethical issues for resource management

Challenge you personally by turning your world upside down

Develop professional, reflective skills in the practice of resource management.

## General Assessment Information

**Detailed instructions** for each assessment task are available on iLearn. Ensure you read these instructions closely.

All students must submit their assignments through the appropriate Turnitin link provided on iLearn.

### Late penalties

*Unless a Special Consideration request has been submitted and approved, (a) a penalty for lateness will apply – two (2) marks out of 100 will be deducted per day for assignments submitted after the due date – and (b) no assignment will be accepted more than seven (7) days (incl. weekends) after the original submission deadline.*

This penalty will be applied unless you are granted an extension by Jess and provide appropriate supporting documentation. Please talk to (or email) Jess about any circumstances that affect your assignments before the due date.

### Grading and appeal

Each assignment will be marked and commented upon before return to you. The mark will be in the form of a graded letter as shown on the table below and as consistent with University policy. If you are uncertain or unhappy with any aspect of your comments or results please contact Jess ([jessica.mclean@mq.edu.au](mailto:jessica.mclean@mq.edu.au)) or your tutor as soon as possible to discuss it.

% equivalent	Graded letter	Meaning
	F <49	Fail
	P 50-64	Pass
	Cr 65-74	Credit
	D 75-84	Distinction
	HD	High Distinction

To successfully complete GEOP603 students must complete all the required assessment tasks and key to these tasks is effective research.

### Researching in GEOP603 - what is expected?

GEOP603 is an advanced Human Geography unit. You will be required to undertake rigorous research to complete the unit. This will involve skills in identifying, accessing and critically using information, and will generally be limited to use of secondary sources. You are required to adequately identify and list all and any sources you use in your work. You are expected to demonstrate an ability to search for material systematically, for example using the Library and internet databases effectively. You are also expected to browse journals relevant to your interests and topics (some examples of good journals to browse, or subscribe to their tables of contents, include: *Australian Geographer*, *Geographical Research*, *Journal of Environmental Management*, *GeoJournal*, *Society and Natural Resources*). You should also browse the books in relevant parts of the Library, use the mass media, follow-up listings in other researchers' bibliographies, and explore specialist libraries. All these strategies are part of the toolkit of a good researcher and you should develop good research habits now. Failure to demonstrate appropriate research skills in your assignments will incur its own penalty.

### Referencing material in GEOP603

In GEOP603 we prefer Harvard, in-text referencing but you may use others styles as long as you are consistent. If you need to provide references to non-conventional materials (videos; radio broadcasts; information from the Internet) please ensure you follow conventions for your referencing style. There are numerous online sites outlining these conventions for you to follow.

## Assessment Tasks

Name	Weighting	Hurdle	Due
<a href="#"><u>Participation and engagement</u></a>	15%	No	Throughout the semester
<a href="#"><u>Research essay</u></a>	40%	No	Friday 3 May 5pm
<a href="#"><u>Blog assessment</u></a>	20%	No	Friday 17 May 5pm
<a href="#"><u>Oral review paper</u></a>	25%	No	Last week of workshops (13)

### Participation and engagement

Due: **Throughout the semester**

Weighting: **15%**

Your class preparation and engagement will be assessed through completion of a series of tasks. Detailed instructions available on iLearn. Ensure you read these instructions closely.

On successful completion you will be able to:

- Knowledge of contemporary resource management issues, focusing on the impacts of these for Indigenous peoples
- Conceptual tools to respond to resource management geopolitics
- Critical awareness of and skills in human geography - including negotiation, critical analysis and reflexivity skills
- See issues from a number of perspectives to gain insight in to the complexity of resource management dilemmas
- Understand the relevance of social justice, values and ethical issues for resource management
- Challenge you personally by turning your world upside down
- Develop professional, reflective skills in the practice of resource management.

## Research essay

Due: **Friday 3 May 5pm**

Weighting: **40%**

You will choose a case study of interest to you, applying that case study to broader key issues in resource management. Detailed instructions available on iLearn. Ensure you read these instructions closely. This is a 3000 word essay.

On successful completion you will be able to:

- Knowledge of contemporary resource management issues, focusing on the impacts of these for Indigenous peoples
- Conceptual tools to respond to resource management geopolitics
- Critical awareness of and skills in human geography - including negotiation, critical analysis and reflexivity skills
- See issues from a number of perspectives to gain insight in to the complexity of resource management dilemmas
- Understand the relevance of social justice, values and ethical issues for resource management
- Challenge you personally by turning your world upside down
- Develop professional, reflective skills in the practice of resource management.

## Blog assessment

Due: **Friday 17 May 5pm**

Weighting: **20%**

Students nominate their preferred blog for marking in week 10 of semester. Details on iLearn. 600 words max.

On successful completion you will be able to:

- Knowledge of contemporary resource management issues, focusing on the impacts of these for Indigenous peoples
- Conceptual tools to respond to resource management geopolitics
- Critical awareness of and skills in human geography - including negotiation, critical analysis and reflexivity skills
- See issues from a number of perspectives to gain insight in to the complexity of resource management dilemmas
- Understand the relevance of social justice, values and ethical issues for resource management
- Challenge you personally by turning your world upside down
- Develop professional, reflective skills in the practice of resource management.

## Oral review paper

Due: **Last week of workshops (13)**

Weighting: **25%**

This assessment task involves a review of what you learnt in the unit. It is an opportunity to draw together your reflections upon the unit materials and apply this to your future practice. Detailed instructions available on iLearn. Ensure you read these instructions closely. This is an oral presentation task (3 minutes).

On successful completion you will be able to:

- Knowledge of contemporary resource management issues, focusing on the impacts of these for Indigenous peoples
- Conceptual tools to respond to resource management geopolitics
- Critical awareness of and skills in human geography - including negotiation, critical analysis and reflexivity skills
- See issues from a number of perspectives to gain insight in to the complexity of resource management dilemmas
- Understand the relevance of social justice, values and ethical issues for resource management
- Challenge you personally by turning your world upside down
- Develop professional, reflective skills in the practice of resource management.

## Delivery and Resources

### DELIVERY

GEOP603 is available in internal and external study modes. Learning and teaching will be via a mix of face-to-face lectures and guest lectures, pre-recorded lectures, real-time workshops, online workshops and Readiness Assessment Tasks. All **Internal students** must listen to the face-to-face lectures or pre-recorded lectures prior to the relevant workshops, attend and complete the required real-time and online workshops and complete all the Readiness Assessment Tasks. **External students** must listen to all the lectures, complete the online versions of the real-time workshops, complete all online workshops and complete all the Readiness Assessment Tasks. Please see the unit schedule on iLearn for details of these compulsory activities.

Lectures: Tuesdays 2-3pm [4 Western Rd - 320 Tutorial Rm](#)

Workshop: [12 Second Way - 435 Active Learning Space](#)

Non-attendance at these sessions, poor preparation and participation will affect your overall engagement with the unit and also your grade for Assessment Task 1. You must contact Jess ([jessica.mclean@mq.edu.au](mailto:jessica.mclean@mq.edu.au)) if you are unable to attend a session due to unavoidable circumstances, otherwise your grade will be affected.

### [Teaching and Learning Strategies and Workload Expectations](#)

Students are expected to complete independent study over the semester as well as attend lectures, workshops and/or online activities. Thus, in addition to attending weekly classes for an average 3 hours per week (in real time or online), students in GEOP603 are expected to complete appropriate preparation and Readiness Assessment Tasks (approximately 3 hours per week) as well as assignment preparation (approximately 3 hours per week). **The total workload for this unit is a minimum of 10 hours per week throughout the semester** and we have worked hard to ensure the workload aligns with this. However, workload does vary throughout the semester with more intense periods of class time tempered with a lighter face-to-face workloads at other points in time. Please work with this rhythm and adjust your work plans accordingly.

GEOP603 aims to be a challenging and stimulating unit that not only engages with and critiques resource management but also reflects on our role as potential environmental management 'experts' within that system. To achieve the unit aims of not only considering how environmental management systems have turned worlds upside down, but also to turn our own worlds upside, it is important that you *open yourself up to the challenge of the unit and put the required effort and energy into it through actively doing the necessary preparation, assignments and constructively engage with the activities.*

GEOP603 aims to offer you as many opportunities as possible to engage with your role as a student and potential professional resource manager through up-to-date material, case studies, hypotheticals, simulation exercises. *Although GEOP603 focuses on the experiences of Indigenous people in class based activities, the unit encourages you to pursue specific personal interests – drawing these interests into class activities and importantly focusing on these topics*

for your assignments.

## RESOURCES

### Technology used and required

All students must have access to iLearn. Please bring laptops computers and other devices to real-time workshops.

### Required and recommended texts

#### Highly recommended textbooks:

**Burarrwanga, L., Ganambarr, R., Ganambarr- Stubbs, M., Ganambarr, B., Maymuru, D., Wright, S., Suchet-Pearson, S., and Lloyd, K. 2013 *Welcome to My Country*. Allen and Unwin, Melbourne.** This book is co-authored by an Indigenous and non-Indigenous team of authors. It draws you into life at Bawaka in northeast Arnhem Land in the Northern Territory and challenges you to look below the surface beauty of the Country to appreciate the connections, relationships and obligations that enable its on-going health and vitality. It also gives you an insight into the incredible lives and histories of the amazing people who live there. Copies are available in the Co-op Bookshop (royalties from the book go directly to the lead author Laklak Burarrwanga). (approx.. \$18.00).

**Howitt, R. 2001 *Rethinking Resource Management: justice, sustainability and Indigenous peoples*, Routledge, London** is based on the GEOP603 teaching program and presents conceptual and case study material on unit themes from around the world. It includes detailed bibliographies and guides for discussion. (approx. \$85.00).

#### Preparation readings:

Required readings for the unit are available through the Library's Multisearch function - [http://www.w.mq.edu.au/on\\_campus/library/](http://www.w.mq.edu.au/on_campus/library/). Click on the *Unit Readings* tab and enter GEOP340.

**Recommendations for further reading:** Based on your interests, you should consider some of these texts for your professional library:

**Altman, J and Kerins, S 2012 *People on country: vital landscapes, Indigenous futures*. The Federation Press, Sydney.** This fabulous collection of case studies challenges mainstream resource managers to engage with and appreciate the role that Indigenous people play in caring for Country in Australia. (approx. \$38.00).

**Burarrwanga, L.L., Maymuru, D, Ganambarr, R., Ganambarr, B., Wright, S., Suchet-Pearson, S. and Lloyd, K. 2008 *Weaving Lives Together at Bawaka, Northeast Arnhem Land*. Centre for Urban and Regional Studies University of Newcastle, Newcastle.** This book is also co-authored by 2 colleagues, 4 Indigenous women from north-east Arnhem Land and myself, and gives a small insight in the craft of weaving and the role it plays in the Yolngu cosmos. Copies are available in the Co-op Bookshop (money raised by the book goes directly to the tourism enterprise owned and run by the Burarrwanga family). (approx. \$25.00).

**Hay, I. 2012 *Communicating in Geography and the Environmental Sciences*, Oxford University Press, Melbourne (4th edition).** If you are studying other Human Geography units, you should consider purchasing this book as it is a very useful manual for work in this field.



Copies will be available in the Co-op Bookshop.

**Rose, D.B. 1996 *Nourishing Terrains: Australian Aboriginal views of landscape and wilderness*, Australian Heritage Commission, Canberra.** This beautiful book draws on anthropologist Debbie Rose's deep understanding of Aboriginal cultural values and ecological vision to fashion one of the most compelling and accessible accounts of the basis for a respectful reconciliation of Australians yet published. Highly recommended as a foundation for the unit – and a wonderful present for people you want to help see things differently! This book is no longer in print but the text can be downloaded from

<http://www.environment.gov.au/heritage/ahc/publications/commission/books/pubs/nourishing-terrains.pdf>

**Weir, J. 2009 *Murray River Country: an ecological dialogue with traditional owners*. Aboriginal Studies Press, Canberra.** This is quite a brilliant book that explores the interplay of multiple perspectives on environmental and social change in Murray River Country. It offers a rich case study of how people, place, water and culture interact in contemporary Australia. Copies are available in the Co-op Bookshop. (approx. \$23.00)

**Jackson, S., Porter, L. and Johnson, L.C., 2017. *Planning in Indigenous Australia: From Imperial Foundations to Postcolonial Futures*. Routledge.** (available as an eBook through the library)

## Unit Schedule

See the iLearn site for a detailed unit schedule.

Week 1	Worlds Turned Upside Down: introductions & (dis)orientation
Week 2	Ways of seeing
Week 3	Ways of Thinking: categorical and relational thinking
Week 4	Thinking relationally
Week 5	Ways of Thinking: post-colonialism and a 'hall of mirrors'
Week 6	From thinking to doing: Situated engagement
Week 7	Ways of doing: cross-cultural negotiations
Week 8	<i>No classes or online activities this week (work on major essay)</i>
Week 9	Working together: planning, science and management I
Week 10	Working together: planning, science and management II
Week 11	Water cultures and justice: power in making places

Week 12	'Better' resource management and professional practice
Week 13	Conclusions and reorientations: caring as country

## 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 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](http://ask.mq.edu.au) or if you are a Global MBA student contact [globalmba.support@mq.edu.au](mailto:globalmba.support@mq.edu.au)

## Student Support

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

[dents.mq.edu.au/support/](https://dents.mq.edu.au/support/)

## Learning Skills

Learning Skills ([mq.edu.au/learningskills](https://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](https://ask.mq.edu.au)

If you are a Global MBA student contact [globalmba.support@mq.edu.au](mailto: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/](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

- See issues from a number of perspectives to gain insight in to the complexity of resource management dilemmas
- Challenge you personally by turning your world upside down
- Develop professional, reflective skills in the practice of resource management.

### Assessment tasks

- Participation and engagement

- Research essay
- Blog assessment
- Oral review paper

## 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

- Conceptual tools to respond to resource management geopolitics
- Understand the relevance of social justice, values and ethical issues for resource management
- Challenge you personally by turning your world upside down
- Develop professional, reflective skills in the practice of resource management.

### Assessment tasks

- Participation and engagement
- Research essay
- Blog assessment
- Oral review paper

## 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

- Challenge you personally by turning your world upside down
- Develop professional, reflective skills in the practice of resource management.

### Assessment tasks

- Participation and engagement
- Blog assessment

## 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

- Knowledge of contemporary resource management issues, focusing on the impacts of these for Indigenous peoples
- Conceptual tools to respond to resource management geopolitics
- Critical awareness of and skills in human geography - including negotiation, critical analysis and reflexivity skills
- See issues from a number of perspectives to gain insight in to the complexity of resource management dilemmas
- Develop professional, reflective skills in the practice of resource management.

### Assessment tasks

- Participation and engagement
- Research essay
- Blog assessment

## 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

- Knowledge of contemporary resource management issues, focusing on the impacts of these for Indigenous peoples
- Conceptual tools to respond to resource management geopolitics
- Critical awareness of and skills in human geography - including negotiation, critical analysis and reflexivity skills

- See issues from a number of perspectives to gain insight in to the complexity of resource management dilemmas
- Develop professional, reflective skills in the practice of resource management.

## **Assessment tasks**

- Participation and engagement
- Research essay
- Blog assessment
- Oral review paper

## **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**

- Knowledge of contemporary resource management issues, focusing on the impacts of these for Indigenous peoples
- Conceptual tools to respond to resource management geopolitics
- See issues from a number of perspectives to gain insight in to the complexity of resource management dilemmas
- Develop professional, reflective skills in the practice of resource management.

## **Assessment tasks**

- Participation and engagement
- Research essay
- Blog assessment

## **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

- Conceptual tools to respond to resource management geopolitics
- See issues from a number of perspectives to gain insight in to the complexity of resource management dilemmas
- Develop professional, reflective skills in the practice of resource management.

## Assessment tasks

- Participation and engagement
- Research essay
- Blog assessment
- Oral review paper

## 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

- Knowledge of contemporary resource management issues, focusing on the impacts of these for Indigenous peoples
- Conceptual tools to respond to resource management geopolitics
- Critical awareness of and skills in human geography - including negotiation, critical analysis and reflexivity skills
- See issues from a number of perspectives to gain insight in to the complexity of resource management dilemmas
- Understand the relevance of social justice, values and ethical issues for resource management
- Challenge you personally by turning your world upside down
- Develop professional, reflective skills in the practice of resource management.

## Assessment tasks

- Participation and engagement
- Research essay
- Blog assessment

- Oral review paper

## 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

- Knowledge of contemporary resource management issues, focusing on the impacts of these for Indigenous peoples
- Conceptual tools to respond to resource management geopolitics
- Critical awareness of and skills in human geography - including negotiation, critical analysis and reflexivity skills
- See issues from a number of perspectives to gain insight in to the complexity of resource management dilemmas
- Understand the relevance of social justice, values and ethical issues for resource management
- Challenge you personally by turning your world upside down
- Develop professional, reflective skills in the practice of resource management.

### Assessment tasks

- Participation and engagement
- Research essay
- Blog assessment
- Oral review paper

## Changes from Previous Offering

I have removed the Professional Submission assessment task and incorporated this in to a weekly blog activity. This has shifted the emphasis of assessments to the Readiness Assessment Tasks and the overall pattern of learning in the semester is more balanced.

The Review Paper used to involve a 1000 word written component. This has been revised and it is now only an oral presentation.

## New digital technologies

This year we will be using Virtual Reality technologies to support learning about different ways of seeing, thinking and doing, with respect to resource management. We will use this digital technology as a way of doing virtual fieldwork.