GEOS704

Readings in Geoscience

S2 Day 2017

Dept of Earth and Planetary Sciences

Contents

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General Information

Unit convenor and teaching staff
Unit Convenor
Stefan Loehr
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Contact via via email

Academic Supervisor
Various

Credit points
4

Prerequisites
Admission to MRes

Corequisites

Co-badged status

Unit description
Approved reading projects in advanced topics from an area of geoscience. A presentation of a seminar and written reports are required on completion of this project.

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:

Develop skills in scientific writing

Synthesise primary scientific literature

Advance skills in oral presentation of a scientific argument

Capacity to present ideas clearly with supporting evidence

Understanding of the scientific method

Develop a working relationship with an academic supervisor

General Assessment Information

Student must identify a suitable Academic Supervisor. The scope of their reading project must be

negotiated with the individual Academic Supervisor. It is the student's responsibility to ensure that their complete, signed Study Plan is uploaded to the GEOS704 iLearn page by the end of Week 1.

Assessment Tasks

Name	Weighting	Hurdle	Due
Submit Study Plan	0%	Yes	5 PM, Friday 4 August 2017
Annotated Bibliography	15%	No	5 PM, Friday 1st September
Seminar	25%	No	13/11/2017
Report or Literature Review	60%	No	20/11/2017

Submit Study Plan

Due: **5 PM, Friday 4 August 2017**
Weighting: **0%**
This is a hurdle assessment task (see assessment policy for more information on hurdle assessment tasks)

Complete Study Plan and submit to iLearn by end of Week 1. This is a hurdle assessment, i.e. pass/fail.

On successful completion you will be able to:
  • Develop a working relationship with an academic supervisor

Annotated Bibliography

Due: **5 PM, Friday 1st September**
Weighting: **15%**

Students will provide a bibliography including at least 20 relevant papers. For each paper you should include a short description (up to 100 words) of the main points and relevance of the paper to the aims of your reading project.

On successful completion you will be able to:
  • Synthesise primary scientific literature

Seminar

Due: **13/11/2017**
Weighting: **25%**

Students give a 15-minute seminar outlining their reading topic. The format should be as per a conference presentation.

On successful completion you will be able to:

- Synthesise primary scientific literature
- Advance skills in oral presentation of a scientific argument
- Capacity to present ideas clearly with supporting evidence
- Understanding of the scientific method

Report or Literature Review

Due: **20/11/2017**

Weighting: **60%**

Students are to complete a 2500 word report or literature review on their chosen topic. Students are to engage with their supervisor through regular meetings to define the the structure and content of the report.

On successful completion you will be able to:

- Develop skills in scientific writing
- Synthesise primary scientific literature
- Capacity to present ideas clearly with supporting evidence
- Understanding of the scientific method

Delivery and Resources

This is a unit designed to provide students with reading projects in advanced topics from an area of geoscience. There are no lectures or practicals. Students are expected to scope out a suitable reading project with their Academic Supervisor, and complete a Study Plan accordingly. Student will arrange a meeting schedule with their Academic Supervisors as part of this process. Academic Supervisors provide guidance and feedback on progress at these meetings.

Example study plans and a proforma are provided on the unit iLearn site.

Web pages and electronic resources:

The main unit web page will be on iLearn: https://ilearn.mq.edu.au/login/MQ/

iLearn is Macquarie's learning management system. Assignments, hand-outs, and reading material will be available here.

Policies and Procedures

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

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

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

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

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

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

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

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

Student Code of Conduct

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

Results

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

Student Support

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

Learning Skills

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

- Workshops
- StudyWise
- Academic Integrity Module for Students
- Ask a Learning Adviser

Student Services and Support

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

Student Enquiries

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

IT Help

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

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

Graduate Capabilities

PG - Capable of Professional and Personal Judgment and Initiative

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

This graduate capability is supported by:

Learning outcome

- Develop a working relationship with an academic supervisor

Assessment task

- Submit Study Plan

PG - Discipline Knowledge and Skills

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

This graduate capability is supported by:

Learning outcomes

- Develop skills in scientific writing
- Synthesise primary scientific literature
- Understanding of the scientific method

Assessment tasks

- Annotated Bibliography
- Seminar
- Report or Literature Review

PG - Critical, Analytical and Integrative Thinking

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

This graduate capability is supported by:

Learning outcomes

- Develop skills in scientific writing
- Synthesise primary scientific literature
- Capacity to present ideas clearly with supporting evidence

Assessment tasks

- Annotated Bibliography
- Seminar
- Report or Literature Review

PG - Research and Problem Solving Capability

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

This graduate capability is supported by:

Learning outcome

- Synthesise primary scientific literature

Assessment tasks

- Annotated Bibliography
- Seminar
- Report or Literature Review

PG - Effective Communication

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

This graduate capability is supported by:

Learning outcomes

- Develop skills in scientific writing
- Synthesise primary scientific literature
- Advance skills in oral presentation of a scientific argument
- Capacity to present ideas clearly with supporting evidence
- Develop a working relationship with an academic supervisor

Assessment tasks

- Submit Study Plan
- Annotated Bibliography
- Seminar
- Report or Literature Review