GEOS813
Geophysics Reading Project
S1 External 2015
Dept of Earth and Planetary Sciences

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https://unitguides.mq.edu.au/unit_offerings/44718/unit_guide/print
General Information

Unit convenor and teaching staff
Mark Lackie
mark.lackie@mq.edu.au

Credit points
4

Prerequisites
Permission of Executive Dean of Faculty

Corequisites

Co-badged status

Unit description
This unit comprises approved reading projects in advanced topics from different areas of geophysics. A presentation of a seminar and two 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:

- Competence in accessing, using and synthesising appropriate information
- Application of knowledge to solving problems and evaluating ideas and information
- Capacity to present ideas clearly with supporting evidence

Assessment Tasks

<table>
<thead>
<tr>
<th>Name</th>
<th>Weighting</th>
<th>Due</th>
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<tr>
<td>Entrée</td>
<td>10%</td>
<td>Week 4</td>
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<tr>
<td>Main Course</td>
<td>40%</td>
<td>Week 8</td>
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<td>Main Course Seminar</td>
<td>10%</td>
<td>Week 8</td>
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<td>Dessert</td>
<td>40%</td>
<td>Week 12</td>
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Entrée
Due: Week 4
Weighting: 10%

A maximum 2-page word report, plus any relevant figures, tables and references.

On successful completion you will be able to:
  • Competence in accessing, using and synthesising appropriate information
  • Application of knowledge to solving problems and evaluating ideas and information
  • Capacity to present ideas clearly with supporting evidence

Main Course
Due: Week 8
Weighting: 40%

A ~3000 word report, plus any relevant figures and tables.

On successful completion you will be able to:
  • Competence in accessing, using and synthesising appropriate information
  • Application of knowledge to solving problems and evaluating ideas and information
  • Capacity to present ideas clearly with supporting evidence

Main Course Seminar
Due: Week 8
Weighting: 10%

Produce a PPT presentation and/or give a seminar based on your report (Main Course).

On successful completion you will be able to:
  • Capacity to present ideas clearly with supporting evidence

Dessert
Due: Week 12
Weighting: 40%

A ~3000 word report, plus any relevant figures and tables.

On successful completion you will be able to:
  • Competence in accessing, using and synthesising appropriate information
  • Application of knowledge to solving problems and evaluating ideas and information
• Capacity to present ideas clearly with supporting evidence

Delivery and Resources
There is no textbook for the unit.

The unit also has a WEB site which can be found through the iLearn WEBSITE at https://ilearn.mq.edu.au/login/MQ/.

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:

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

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

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

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

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

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

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

Student Services and Support

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

Student Enquiries

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

IT Help

For help with University computer systems and technology, visit http://informatics.mq.edu.au/help.

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

Graduate Capabilities

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

- Competence in accessing, using and synthesising appropriate information
- Application of knowledge to solving problems and evaluating ideas and information

Assessment tasks

- Entrée
- Main Course
- Dessert

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**

- Competence in accessing, using and synthesising appropriate information
- Application of knowledge to solving problems and evaluating ideas and information

**Assessment tasks**

- Entrée
- Main Course
- Dessert

**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 outcomes**

- Competence in accessing, using and synthesising appropriate information
- Application of knowledge to solving problems and evaluating ideas and information

**Assessment tasks**

- Entrée
- Main Course
- Dessert

**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 outcome**

- Capacity to present ideas clearly with supporting evidence

**Assessment tasks**

- Entrée
• Main Course
• Main Course Seminar
• Dessert