# GEOS813

## Geophysics Reading Project

S1 External 2017

*Dept of Earth and Planetary Sciences*

## Contents

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Information</td>
<td>2</td>
</tr>
<tr>
<td>Learning Outcomes</td>
<td>2</td>
</tr>
<tr>
<td>Assessment Tasks</td>
<td>2</td>
</tr>
<tr>
<td>Delivery and Resources</td>
<td>4</td>
</tr>
<tr>
<td>Policies and Procedures</td>
<td>4</td>
</tr>
<tr>
<td>Graduate Capabilities</td>
<td>5</td>
</tr>
</tbody>
</table>

## 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
Mark Lackie
mark.lackie@mq.edu.au

Credit points
4

Prerequisites
Permission by special approval

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 http://students.mq.edu.au/student_admin/enrolmentguide/academicdates/

Learning Outcomes
1. Competence in accessing, using and synthesising appropriate information
2. Application of knowledge to solving problems and evaluating ideas and information
3. Capacity to present ideas clearly with supporting evidence

Assessment Tasks

<table>
<thead>
<tr>
<th>Name</th>
<th>Weighting</th>
<th>Due</th>
</tr>
</thead>
<tbody>
<tr>
<td>Entrée</td>
<td>10%</td>
<td>Week 4</td>
</tr>
<tr>
<td>Main Course</td>
<td>40%</td>
<td>Week 8</td>
</tr>
<tr>
<td>Main Course Seminar</td>
<td>10%</td>
<td>Week 8</td>
</tr>
<tr>
<td>Dessert</td>
<td>40%</td>
<td>Week 12</td>
</tr>
</tbody>
</table>
**Entrée**
Due: **Week 4**  
Weighting: **10%**
A maximum 2-page word report, plus any relevant figures, tables and references.

This Assessment Task relates to the following Learning Outcomes:
- 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.

This Assessment Task relates to the following Learning Outcomes:
- 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).

This Assessment Task relates to the following Learning Outcomes:
- Capacity to present ideas clearly with supporting evidence

**Dessert**
Due: **Week 12**  
Weighting: **40%**
A ~3000 word report, plus any relevant figures and tables.

This Assessment Task relates to the following Learning Outcomes:
- 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:


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/](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/](http://students.mq.edu.au/support/)

**Learning Skills**

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

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 - 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 - 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