1. Staff

Lecturers:  Professor Rob Brander (Course Convenor*)
Biological Sciences North (D26) Room 401B; Office Telephone 9385-2899;
rbrander@unsw.edu.au
*On study leave from July 25; direct all course enquiries after this date to David Edwards

David Edwards
Biological Sciences North (D26) Room 401C; Office Telephone 9385-8064;
d.edwards@unsw.edu.au

Associate Professor Scott Mooney
Biological Sciences North (D26) Room 410D; Office Telephone 9385-8063;
s.mooney@unsw.edu.au

All lecturers are available for meeting or consultation with students by appointment.

Laboratory Staff:  The Lab Co-ordinator for the course is David Edwards with technical support from Mira van der Ley (m.vanderley@unsw.edu.au). Teaching Demonstrators will also assist in some Labs.

Tutorial Staff:  Tutorials will be run by Teaching Demonstrators.

2. Course Information

Course Code: GEOS 1701
Units of Credit: 6
Hours per Week: 3 Lecture, 3 Practical (Lab), 1 Tutorial (in alternating weeks)
Field Trip: 1 day
Prerequisites: None

2.1 Course Summary
GEOS 1701 explores the role of environmental processes, operating over a range of temporal and spatial scales, in shaping patterns of the physical environment in the context of human interactions and resulting management issues. This important topic incorporates the fields of Physical Geography, Environmental Science, Environmental Management and Biogeography. Specifically, we examine the variety of processes operating in atmospheric, terrestrial, hydrological, coastal and ecological systems. Course material provides a broad overview of global physical environments, although emphasis will be placed on Australian examples. More information is provided in the Course UNSW Handbook entry:

2.2. Course Aims
There are two fundamental aims of this course: i) to provide students with an understanding of physical environments and the processes that form and influence them; and ii) introduce students to a range of physical environmental management issues by examining the nature of interactions between humans and natural systems. Students will also gain an appreciation of how we monitor environmental process and change.

2.3 Course learning outcomes (CLO's)
The Course Learning Outcomes (CLO's) for this course describe what you should be able to do by the end of the semester if you participate fully in all learning activities and successfully complete all assessment items. These CLO's also relate to some of the overall Program Learning Goals for all undergraduate students taking Geoscience and Environmental Science degrees. The following table shows how the CLO's for this course relate to these Program goals and indicates where in the course the CLO's are assessed.

Table 1. Course Learning Outcomes for GEOS1701

<table>
<thead>
<tr>
<th>Program Learning Goals</th>
<th>Course Learning Outcomes</th>
<th>Course Delivery Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>This course helps you to achieve the following learning goals:</td>
<td>On successful completion of this course, you should be able to:</td>
<td>The learning outcome will be assessed in the following items:</td>
</tr>
<tr>
<td>1. Knowledge</td>
<td>Describe fundamental process and form relationships of physical environmental systems</td>
<td>Lectures</td>
</tr>
<tr>
<td></td>
<td>Interpret past, present and future controls on physical environments</td>
<td>Lab assessments</td>
</tr>
<tr>
<td></td>
<td>Discuss complex human-physical relationships causing Australian and global environmental management issues</td>
<td>Lab workshops</td>
</tr>
<tr>
<td></td>
<td>Identify pathways and challenges involved in solving these environmental problems</td>
<td>Field trip</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Field trip report</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Final exam</td>
</tr>
<tr>
<td>2. Critical thinking and problem solving</td>
<td>Formulate and solve real problems in relation to environmental data using basic statistical analysis, presentation of data plots, using methods appropriate to the problem and available data</td>
<td>Lab assessments</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Lab workshops</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Group work</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Final exam</td>
</tr>
<tr>
<td>3. Written communication</td>
<td>Construct written work which is logically and professionally presented using the scientific method</td>
<td>Lab assessments</td>
</tr>
<tr>
<td></td>
<td>Convey data, statistics and graphical results so that non-experts can understand the key outcomes of analyses</td>
<td>Field trip report</td>
</tr>
<tr>
<td></td>
<td>Self-manage successful time management strategies</td>
<td>Final Exam</td>
</tr>
</tbody>
</table>
| 4. Oral communication | Articulate formulated and reasoned opinions and arguments on environmental issues in front of your classmates | • Lab presentations  
• Lab debate |
|-----------------------|-------------------------------------------------------------------------------------------------|------------------|
| 5. Team/group work    | Participate actively and productively in team-based discussions of environmental issues and problems | • Lab presentations  
• Lab debate  
• Lab assessments |
| 6. Personalised, self-guided, flipped classroom and blended, learning skills | Complete independent research and learning using a variety of internet based resources and computing skills | • Pre-lab material  
• Geocaching lab  
• Field trip report |
| 7. Practical skills   | Be aware of various methods, techniques and approaches used to monitor and measure different physical environments  
Use word processing, data spreadsheet and geo-spatial software | • Lectures  
• Labs  
• Lab assessments  
• Field trip  
• Field trip report |

### 2.5 Continual Course Improvement
This course has always been popular with students and we continually adjust the course to make it better based on student feedback. This year we have added a Mid-Term exam to reduce the volume of content to study for the Final Exam. The overall weighting of the Mid-Term + Final Exam (35%) is also reduced from last year (50%) in order to increase the weighting of the Field Trip Assessment from 10% to 15% (Table 2). Some of the labs have been modified to provide more engaging and effective delivery, learning outcomes and feedback. A requirement of the new Trimester system has also been to implement a new Tutorial stream, which involves a 10% assessment (Table 2). We also ask you to please be patient as this is the first time the course has run in the new Trimester system.

### 2.6 Follow On Courses
This course is intended to provide you with basic skills and knowledge for upper level courses that might interest you such as:

- GEOS 2711 Australian Climate and Vegetation (runs in T2 in 2019)
- GEOS 2721 Australian Surface Environments and Landscapes (runs in T3 in 2019)
- GEOS 3721 Australian Soil Use and Management (runs in T3 in 2019)
- GEOS 3731 Coastal Processes and Hazards (runs in T1 in 2020)
- GEOS 3761 Environmental Change (runs in T2 in 2019)

This course can also be taken with the course BIOS1301 Ecology and Sustainability as part of the first year of the Bachelor of Science Major in Geography.

### 3. Strategies and Approaches to Learning

#### 3.1 Learning and teaching activities
The course learning outcomes (CLO’s) are achieved through a range of instructional techniques including lectures, practical laboratory classes, a field trip (and report) and lab assessments. Lectures are a face-to-face forum with opportunity for student interaction via two-way questions. Lab classes provide a range of learning strategies including group work, group presentations, debates, peer assessment and personalised learning, the latter via an online student-driven assessment task
external to the classroom at Coogee Beach. Students will also gain hands-on experience analysing soil and sediment samples and will gain experience in online interpretation of landscapes and maps using geo-spatial software such as Google Earth and NearMap.

3.2 Expectations of Students

Announcements: Announcements regarding the course will be made in lectures and via the Course Moodle internet site. It is the responsibility of students to ensure they are aware of all announcements.

Assistance: If you experience any logistical problems with the course, or have any enquiries, please contact Faye Mo in the BioSciences Student Office in on the Ground Floor of the Biological Sciences North (D26) Building (Ph: 9385-2961) or consult with the Course Convenor Prof Rob Brander.

Attendance: Students are strongly recommended to attend all lectures, labs and tutorials. Students who miss a significant amount of classes, or miss an assessment task, due to ill health or other issues are advised to contact Prof Rob Brander (Course Convenor) as soon as possible and provide certified documentation.

Illness: You can apply for Special Consideration when illness or circumstances that are beyond your control, or are unexpected, interfere severely with your academic performance. More information on Special Consideration can be found at: https://student.unsw.edu.au/special-consideration

Exam Period: The University expects that all students (domestic and international) be present and available for the entire duration of the UNSW end of trimester examination period (Aug 16-31). Please bear this in mind when making end of trimester work or travel plans. The final exam timetable is usually not released until after Week Ten of session.

Online Needs: It is expected that students will have regular access to the internet either via, computers available at the University, home computers, personal laptops or through personal electronic devices (e.g. mobile phone, iPad). Please note that most of the labs require use of a personal electronic device and/or laptop in class. Students will be notified in advance of these occasions.

Course Evaluation: Student evaluative feedback on the course is gathered every year through the use of UNSW MyExperience, which is available through your MyUNSW account and on the Course Moodle page towards the end of the course. MyExperience allows you to provide feedback on both the course itself and the teaching provided in the course. Student feedback is taken very seriously and influences continual course improvements so please contribute. More information on MyExperience can be found at https://student.unsw.edu.au/myexperience
4. Course Schedule and Structure

GEOS1701 consists of 6-7 hours of class contact hours per week (Lecture + Lab + Tutorial). You are expected to take an additional 6-8 hours of non-class contact hours on average to complete assessments, pre-lab material, suggested readings and exam preparation.

4.1 Lecture program
You are required to attend two lectures per week. The lecture times and locations are:

- Monday 10 – 11 am  Old Main Building (OMB)149
- Tuesday 2 – 4 pm  Civil Engineering (CIVENG) 101

Lectures commence in Week 1 as outlined in Table 3.

4.2 Laboratory program
Lab classes are scheduled as 3 hours per week in Teaching Lab 2 in the Biological Sciences Building (D26). You should be enrolled in one of the following Lab times and should stick to your Lab once enrolled:

- Lab Class 1 = Tues 10 – 1
- Lab Class 2 = Wed 10 – 1
- Lab Class 3 = Wed 2 – 5

Workplace Health and Safety (WHS) requires that all students wear closed shoes in the lab classes. See http://www.ohs.unsw.edu.au/ for more WHS information at UNSW.

Lab classes commence in Week 1 as outlined in Table 3.

4.3 Tutorial program
Tutorials are scheduled as 1 hour per week. However, we will run Tutorials in alternating weeks beginning in Week 2. You need to attend a tutorial in Weeks 2, 4, 6, 8, and 10 in one of the following Tutorial times. Stick to your Tutorial time once enrolled:

- Tutorial 1 = Wed 1–2 (MAT311)
- Tutorial 2 = Wed 1-2 (MAT108)
- Tutorial 3 = Fri 10–11 (MAT106)
- Tutorial 4 = Fri 11–12 (MAT108)
- Tutorial 5 = Fri 2 – 3 (MAT108)

Tutorials commence in Week 2 as outlined in Table 3.

4.3 Field trip
Students are required to attend a mandatory 1 day field trip to the Northern Illawarra region and Royal National Park on either Saturday July 20 or Sunday July 21. On each day, students will be transported by bus, leaving UNSW approximately 9 am and returning approximately 6 PM.

The field trip involves a Field Trip Report Assessment worth 15% of the course. There will be approximately 50 spots available for each day. Students will be provided with more information about the Field Trip in the Week 1 Lab. Sign up sheets for the field trip will also be made available on the course Moodle site by the end of Week 2 (Friday June 14) on a first come, first serve basis. The cost of this field trip is approximately $30 and payment can be made via a link on the
course Moodle site. You will be advised when the final payment amount is confirmed and the payment link becomes live. Payments must be made before the field trip.

If you cannot attend this field trip, or miss it for any reason after you’ve paid, you will need to contact the Course Convenor Prof Rob Brander as soon as possible. Only valid reasons are accepted and require supporting documentation.

5. Assessment

5.1 Assessment tasks
Assessment of your performance in this course will utilise a range of different tasks and methods. Each assessment item will focus on different elements of the course. Course assessment will consist of three components as shown in Table 2:

Table 2: GEOS 1701 Assessment Guide

<table>
<thead>
<tr>
<th>Assessment Item</th>
<th>Assessment Details</th>
<th>Value (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lab Assessments (4 @ 10% each)</td>
<td>1. Online Mapping Quiz due Sun June 23</td>
<td>40</td>
</tr>
<tr>
<td></td>
<td>2. Coastal Monitoring due Fri June 28</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3. Climate Change due Week 7</td>
<td></td>
</tr>
<tr>
<td></td>
<td>4. Coogee Beach Field Exercise due Week 10</td>
<td></td>
</tr>
<tr>
<td>Field Trip Assessment</td>
<td>Field Trip Quiz + Week 8 Lab</td>
<td>15</td>
</tr>
<tr>
<td>Student Presentations</td>
<td>In Tutorials</td>
<td>10</td>
</tr>
<tr>
<td>Mid-Term Exam</td>
<td>Week 5 (in Labs)</td>
<td>15</td>
</tr>
<tr>
<td>Final Exam</td>
<td>End of Session Exam Period Aug 16-31 (TBA)</td>
<td>20</td>
</tr>
</tbody>
</table>

5.2 Assessment criteria and standards
**Lab Assessments** are assessed on how students take theory and apply it into practical tasks. Literacy and numeracy are also assessed as part of these exercises. Lab assessments should be mostly completed during lab class times, but often extend over multiple Lab Weeks. The **Field Trip Assessment** is based on knowledge gained and tasks completed during the Field Trip in the form of a Quiz in the Tues July 23 Lecture and exercises during the Week 8 Lab. The **Mid-Term Exam** is based only on Lectures 1-7 material and the **Final Exam** is based on material from Lectures 8-18.
### Table 3: GEOS 1701 Lecture and Lab Program T2 2019

<table>
<thead>
<tr>
<th>Week</th>
<th>Lecture Number and Date</th>
<th>Lecture Topic</th>
<th>Who</th>
<th>Lab Topic</th>
<th>Lab Details</th>
<th>Tutorials</th>
</tr>
</thead>
</table>
| 1    | 1. Mon June 3           | Life, The Earth and Everything | RB  | Welcome to GEOS1701 | • Intro to Labs/WHS  
• Interactive Online Student Quiz | Intro to Tutorials |
|      | 2. Tues June 4          | Landscape Evolution  
Landform Movement and Hazards |     |           |             |           |
| 2    | Mon June 10             | Public Holiday NO LECTURE |     | Google Earth | • Pre-Lab Material  
• Self-Guided Lab  
• Part of Lab Assessment 1 | Intro to Tutorials |
|      | 3. Tues June 11         | Arid Environments  
Catchment Hydrology | RB  |           |             |           |
| 3    | 4. Mon June 17          | Water Resources and Pollution  
River Systems  
River Processes and Management Issues | RB  | Mapping and Air Photo Interpretation | • Pre-Lab Material  
• Workshop  
• Lab Assessment 1 | Student Talks |
|      | 5. Tues June 18         |                      |     |           |             |           |
| 4    | 6. Mon June 24          | Coastal Processes  
Coastal Environments  
Coastal Hazards and Management Issues | RB  | Coastal Monitoring | • Pre-Lab Material  
• Workshop  
• Lab Assessment 2 | Student Talks |
|      | 7. Tues June 25         |                      |     |           |             |           |
| 5    | 8. Mon July 1           | Earth’s Atmosphere and Energy Balance  
Climate Elements  
Global Circulation Systems | DE  | Mid-Term Exam Introduction to Climate Change | • Hand Back Assignments  
• Part of Lab Assessment 3 | |
|      | 9. Tues July 2          |                      |     |           |             |           |
| 6    | 10. Mon July 8          | Global Climates  
Getting Down and Dirty with Soils  
Soil Erosion and Management Issues | DE  | Climate Change: Challenge of our Lifetime | • Pre-Lab Material  
• Workshop  
• Lab Assessment 3 | Student Talks |
|      | 11. Tues July 9         |                      |     |           |             |           |
| 7    | 12. Mon July 15         | What is Biogeography  
The Distribution of Individuals  
Is Biodiversity Important | SM  | NO LABS | • Lab Assessment 3 Due | |
|      | 13. Tues July 16        |                      |     |           |             |           |

*Field Trip Saturday July 20 or Sunday July 21 (Field Trip Assessment)*
<table>
<thead>
<tr>
<th>Week</th>
<th>Lecture Number and Date</th>
<th>Lecture Topic</th>
<th>Who</th>
<th>Lab Topic</th>
<th>Lab Details</th>
<th>Assess Tasks</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>14. Mon July 22</td>
<td>Is there a Limit to Human Populations?</td>
<td>SM</td>
<td>Field Trip Soils and Sediments</td>
<td>• Component of Field Trip Assessment</td>
<td>Student Debates</td>
</tr>
<tr>
<td></td>
<td>Tues July 23</td>
<td>Field Trip Quiz</td>
<td>RB/DE</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>15. Mon July 29</td>
<td>Climate Change and Variability</td>
<td>DE</td>
<td>Coogee Beach Field Exercise (No Lab Class)</td>
<td>• Pre-Lab Material</td>
<td>Student Debates</td>
</tr>
<tr>
<td></td>
<td>16. Tues July 30</td>
<td>Human Induced Climate Change</td>
<td>DE</td>
<td></td>
<td>• Self-Guided Lab</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Human Induced Climate Change</td>
<td></td>
<td></td>
<td>• Lab Assessment 4</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>17. Mon Aug 5</td>
<td>Are Australian Ecosystems Different?</td>
<td>SM</td>
<td>Course Revision, Final Exam Prep and Assignment Return</td>
<td>• Lab Assessment 4 Quiz</td>
<td>Student Debates</td>
</tr>
<tr>
<td></td>
<td>18. Tues Aug 6</td>
<td>Inter-Disciplinary Environmental Science</td>
<td>SM</td>
<td></td>
<td>• Interactive (Fun!) Student Quiz</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>• My Experience</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>19. Mon Aug 12</td>
<td>Course Summary and Future Directions</td>
<td>DE/SM</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

RB = Professor Rob Brander*; DE = David Edwards; SM = Associate Professor Scott Mooney

* Prof Brander is on special study leave from July 25. All course related enquiries after this date should be made to David Edwards.

Please note that the topics of the lectures listed in Table 3 may change at the discretion of the Lecturers. Students will be notified in advance of any changes to the lecture topics or sequence.

For due dates/weeks of assessments, please refer to Table 2. Students will be notified of specific due dates for assessments and methods of handing in assessments during the course.
We follow the UNSW grading system: https://student.unsw.edu.au/grade. You should also familiarise yourself with the UNSW assessment policy: https://student.unsw.edu.au/assessment

5.3 Submission of assessment tasks
Students will be advised how to submit their assessments (including the Field Trip Assessment) in their Lab classes.

Late work will be penalised by 10% of the value of the assignment per day (not including weekends). After 7 late days the work will be given a value of 0%. This is School of BEES policy and there are no exceptions unless an extension is provided. Extensions are only provided by the Course Convenor (Prof Rob Brander) for valid reasons (medical or otherwise) and official certification must be appended to the work when handed in.

Only valid reasons will be accepted for missing the Final Exam and appropriate documentation relating to your absence is required.

5.4 Feedback on assessment
Marking of your assessments will be provided by both Lab Demonstrators and a peer review process on occasion. Lecturers will mark check Demonstrator marking for consistency. Depending on the nature of the assessment, feedback on assessments will be provided either on the Assessment directly when handed back or will be discussed verbally in a Lab Class. There are two Lab classes with a focus on assessment feedback and course revision (Weeks 5 and 10).

Feedback on the final exam is possible by appointment only. Final examination scripts are retained in the School for a period of 6 months, after which they are destroyed.

5.5 Grade Summary
A final grade summary for all assessments during the course prior to the Final Exam will be posted on the course Moodle website once the MyExperience student course evaluations (see Section 3.2) reach a 75% response rate. This summary is valuable as it allows students to check for any data entry errors.

6. Academic Integrity, referencing and plagiarism

Academic Integrity is fundamental to success at university. Academic integrity can be defined as a commitment to six fundamental values in academic pursuits: honesty, trust, fairness, respect, responsibility and courage (Fishman, 2013). At UNSW this means that your work must be your own and others’ ideas should be appropriately acknowledged. If you don’t follow these rules, plagiarism may be detected in your work.

Every year at UNSW, many students are caught copying or cheating in various ways resulting either in severe penalty for the assignment in question or in automatic failure of a course. If you think we do not recognize copying and plagiarism, you are very mistaken!
In addition to the UNSW Policy on Academic Honesty and Plagiarism, the School of Biological, Earth and Environmental Sciences (BEES), also considers any work submitted that has been produced outside of a given course in a given year to be plagiarism i.e:

- Work produced for a third party e.g. your place of employment, is considered intellectual property of the third party, and as such if such work is submitted in place of a required course work, it is deemed plagiarism.
- All work submitted for assessment must be created specifically for the given assessment task in the given year. Work produced in previous years or for other assessments is not acceptable.

Further information about academic integrity and plagiarism can be located at:

- The Current Students site https://student.unsw.edu.au/plagiarism, and
- The ELISE training site http://subjectguides.library.unsw.edu.au/elise/presenting

The Conduct and Integrity Unit provides further resources to assist you to understand your conduct obligations as a student: https://student.unsw.edu.au/conduct

Referencing is a way of acknowledging the sources of information that you use to research your assignments. You need to provide a reference whenever you draw on, or replicate, someone else’s words, ideas or research. Not referencing other people’s work can constitute plagiarism.

For further information about referencing styles see https://student.unsw.edu.au/referencing

For example, the Fishman (2013) reference above would be listed in a reference list (bibliography) as:


7. Resources and readings

7.1 Moodle
This course is available online through the UNSW Moodle system which can be accessed via your MyUNSW or by:

2. Enter your Username (your UNSW zID) and Password (your zPass) and click the ‘Agree and sign on’ button
3. Look for GEOS1701 under the ‘My Courses Tab’

The GEOS1701 Moodle site will contain information regarding course announcements, lectures, labs, and assignments. You will find that the course has been divided into blocks of material according to Semester Week. In each Week block you will find Lecture, Lab and Reading resources pertaining to that week.
Please visit the Support Section at https://student.unsw.edu.au/moodle-support for more information and tutorials about Moodle.

7.2 Online lecture notes
Lecture powerpoints will be made available to students on Moodle in a variety of formats depending on Lecturer preference. Please remember that access to lecture notes is a privilege and not a right. Lecturers may choose not to upload material, or remove material, if they see fit. While most lecture material will be posted on Moodle prior to the lecture, this is done to allow you to take better notes during the lecture and should not be an excuse to miss the lecture.

Generally, Lecture powerpoints provide only a brief overview of the material actually presented in Lectures. All lecture material (both slide content and verbal content) is assessable on the Mid-Term and Final Exam and if you rely solely on the online powerpoints and do not take advantage of the online lecture recordings (see below), then you will not do well in the course. Attending lectures is a core part of the university experience and allows you to interact with the lecturers and your fellow classmates. Do not miss out on this valuable part of university life!

7.3 Online lecture recordings
Lectures for this course should be recorded automatically by the Echo360 system which automatically posts lecture recording links (and screen captures) to the EchoCenter in Moodle. The system does fail from time to time. If it does, there is nothing the Lecturer can do about it!

7.4 Online laboratory material
There is no hardcopy Lab Manual for this course. Instead, relevant pre-lab material will be provided on Moodle. It is the students’ responsibility to complete this material before the start of each Lab class (when required to do so). Instructions on Lab assessments and workshops will also be provided on Moodle, but may be augmented by in-class handouts. Any material related to both the Labs and the Field Trip Assessment will also be uploaded onto Moodle.

7.5 Discussion boards
For each Week on the Moodle page you will find a link to a Discussion Board. While we encourage questions during lectures (and will ask some ourselves), if you have any questions about course material outside of the Lectures, you should first post the question on the Discussion Board. Instead of just emailing the lecturers, peer engagement with your classmates is a very effective learning method. Of course, we will also be checking the Discussions.

7.6 Readings
There is NO prescribed textbook for this course. However, in previous years we used Christopherson, R.W. (2012). Elemental Geosystems. Seventh Edition. Prentice Hall, New Jersey as the course textbook. This book is available for purchase through various online booksellers and may be signed out from the UNSW Library (Call No. P 910.02/48G)

Any previous editions or any other used textbook relating to Physical Geography and/or Environmental Science will also likely include much of the material covered in the course.
Alternatively, if you are very keen, there is an e-text version of the Christopherson book that comes with a study tools package called *MasteringGeography* that includes self-assessed online quizzes, e-tutorials and videos. For more information, go to 

Lecturers will also recommend readings where necessary throughout the Course that are relevant to the lecture and/or laboratory material and may post links to these on Moodle.

**8. Additional Student Support and Other Stuff**

**8.1 ELISE tutorial**
Information literacy is a UNSW graduate attribute. For commencing students, a basic level of information literacy is necessary to enable each student to undertake their academic program effectively. It has been found that many students, regardless of their UAI or other entry criteria, do not clearly understand the use of information in the university environment.

ELISE is a mandatory online tutorial on how information is organised and used in the university context. It is a UNSW requirement that all new undergraduate and postgraduate coursework students complete the tutorial and attain at least 80% in the ELISE quiz following the tutorial. Students will not be able to enrol for next semester until they complete the ELISE quiz.

For more information about ELISE go to: [http://subjectguides.library.unsw.edu.au/elise](http://subjectguides.library.unsw.edu.au/elise)

**8.2 Disability services and student well being**
Those students who have a disability that requires some adjustment in their teaching or learning environment are encouraged to discuss their study needs with the UNSW Disability Support Services [https://student.unsw.edu.au/disability-services](https://student.unsw.edu.au/disability-services) prior to, or at the commencement of, the course. Issues to be discussed may include access to materials, signers or note-takers, the provision of services and additional exam and assessment arrangements. Early notification is essential to enable any necessary adjustments to be made.

UNSW takes student wellbeing, health and safety very seriously and if you find you need support to help with your personal life, getting your academic success on track or just want to know how to stay safe, then a number of options are available at: [https://student.unsw.edu.au/wellbeing](https://student.unsw.edu.au/wellbeing)

**8.3 Other services**

- The Current Students Gateway: [https://student.unsw.edu.au/](https://student.unsw.edu.au/)
- Academic Skills and Support: [https://student.unsw.edu.au/academic-skills](https://student.unsw.edu.au/academic-skills)
- UNSW IT Service Centre: [https://www.it.unsw.edu.au/students/index.html](https://www.it.unsw.edu.au/students/index.html)