Schools of Earth and Environmental Sciences and Biological Sciences

MARE200: Introduction to Oceanography

Subject Outline
Autumn, 2018
On-Campus
Wollongong

Subject Information
Credit Points: 6
Pre-requisite(s): BIOL104 and (CHEM102 or CHEM105) and (EESC102 or EESC103)
Co-requisite(s): Nil
Restrictions: Nil
Contact Hours: Weeks 1-5: 2 hr lecture & 2-3 hr practical; Weeks 6-13: 2 hr lecture, 1 hr tutorial & 3 hr practical

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Section A: General Information

Subject Learning Outcomes

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<th>On successful completion of this subject, students will be able to:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Identify and describe the major techniques used in research into the oceans.</td>
</tr>
<tr>
<td>2. Discuss the major processes in the formation of ocean basins and circulation and water movements within the oceans including currents, waves and tides.</td>
</tr>
<tr>
<td>3. Apply laboratory and computational techniques and scientific literature to interpret observations of chemicals in the oceans and evaluate their role in oceanography.</td>
</tr>
<tr>
<td>4. Discuss the importance and impact of life in the oceans within the context of oceanography.</td>
</tr>
<tr>
<td>5. Demonstrate understanding of the dynamic processes involved between Earth’s oceans, hydrosphere, atmosphere and biosphere.</td>
</tr>
<tr>
<td>6. Communicate scientific information using appropriate technologies and communication strategies.</td>
</tr>
</tbody>
</table>

Subject Description

This subject forms a basic introduction to oceanography. Topics covered include bathymetry; plate tectonics; physical attributes of oceans; circulations and currents; stable isotopes and climate change; tides and waves; marine organisms and biodiversity; environmental controls on organisms; processes of transport and behaviour of organisms in their life cycles; food webs and nutrient cycling; chemistry of seawater; sources and sinks of chemicals; carbon and carbonate cycles; chemical reactions in seawater.

Readings, References and Materials

Textbooks
Nil

Prescribed Readings (includes eReadings):

The following readings are prescribed for this subject, but students are not expected to purchase these. They are available to students through the library on the subject's eLearning site.


Materials:

Materials required for practicals and tutorials include pens, pencils, felt-tipped pen, metric ruler, protractor, calculator, graph paper, thumb-stick. Laboratory coats and enclosed shoes are required for the Biology component. Enclosed shoes are also required for the Chemistry practicals.

Recommended Readings:

The following references complement the prescribed readings and textbooks:

- Pinet P. R. 1992. Oceanography an introduction to the Planet Oceanus. West, St Paul, Minnesota, USA.
Massachusetts, USA.


Recommended readings are not intended as an exhaustive list, students should use the Library catalogue and databases to locate additional resources.

Recent Changes to this Subject
Nil

Laboratory Safety Guidelines
The rules below are general rules that are required in laboratories.

- Before commencing your project you are to ensure that you understand specific procedures for the laboratory in which you work.
- You will need to fill out a risk assessment form before commencing any experiments (confer with your laboratory supervisor).
- Never use any equipment or attempt any experiment without checking the safety implications with your laboratory supervisor or experienced delegated laboratory worker.
- Undergraduate students are not permitted to work after hours unless there is appropriate approval and supervision.

Fieldwork Safety Guidelines
The rules below are general rules that are required when participating in practicals which involve fieldwork.

- Before commencing fieldwork you are to ensure that you understand specific procedures and policy related to fieldwork safety.
- You will need to review a Risk Assessment form for the fieldwork to be conducted, and then complete a Fieldwork Participant Acknowledgement form before commencing any fieldwork. These materials will be made available by the Subject Coordinator.
- You must inform the Subject Coordinator of any medical conditions which may impact upon your ability to participate in fieldwork before commencing any fieldwork.
- All Reasonable Adjustment cases must be discussed with the Subject Coordinator prior to commencing fieldwork.
- Attendance on field excursions may be denied to students who do not abide by these, and other conditions which may be specified by the Subject Coordinator.
## Schedule of Learning

<table>
<thead>
<tr>
<th>Week</th>
<th>Lecture 1</th>
<th>Lecture 2</th>
<th>Tutorial</th>
<th>Demonstration/Lab</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Introduction, Bathymetry</td>
<td>Plate Tectonics</td>
<td>No class</td>
<td>Bathymetry, Plate Tectonics (2 h)</td>
</tr>
<tr>
<td>2</td>
<td>Physical Properties of Seawater</td>
<td>Deep Sea Drilling</td>
<td>No class</td>
<td>Controls on Ocean Circulation (2 h)</td>
</tr>
<tr>
<td>3</td>
<td>Ocean Circulation 1</td>
<td>Ocean Circulation 2</td>
<td>No class</td>
<td>Ocean Currents (2h)</td>
</tr>
<tr>
<td>4</td>
<td>Ocean Circulation and Climate Change</td>
<td>ENSO/ Marine Oxygen Isotopes</td>
<td>No class</td>
<td>Group Project (2 h)</td>
</tr>
<tr>
<td>5</td>
<td>Tides</td>
<td>Waves</td>
<td>No class (Good Friday)</td>
<td>No class (Good Friday)</td>
</tr>
<tr>
<td>6</td>
<td>Introduction to the Plankton</td>
<td>Adaptations in the plankton</td>
<td>No class</td>
<td>Earth Sciences Theory/Practical Test (1.5 hours)</td>
</tr>
<tr>
<td>7</td>
<td>Plankton and large scale hydro-dynamics</td>
<td>Plankton and small scale hydro-dynamics</td>
<td>t test tutorial</td>
<td>Plankton identification (3 h)</td>
</tr>
<tr>
<td>8</td>
<td>Productivity and global climate change</td>
<td>Marine reserves (Discussion)</td>
<td>No class (in lieu of field prac)</td>
<td>Plankton collection (3 h) Field</td>
</tr>
<tr>
<td>9</td>
<td>Marine Pests</td>
<td>Human impacts in the coastal zone</td>
<td>Writing tips</td>
<td>Processing and identification of plankton samples and work on write-up (3 h)</td>
</tr>
<tr>
<td>10</td>
<td>Deep Sea Video</td>
<td>Deep Sea Video</td>
<td>Questions and Answers</td>
<td>Processing and identification of plankton samples and work on write-up (3 h)</td>
</tr>
<tr>
<td>11</td>
<td>Seawater composition and the carbon cycle</td>
<td>Box models</td>
<td>Practical: measuring salinity (3 h)</td>
<td>Practical: nutrient distributions (3 h)</td>
</tr>
<tr>
<td>12</td>
<td>Ocean acidification</td>
<td>Interpreting journal articles</td>
<td>Practical: nutrient distributions (3 h)</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>Carbon and nutrient distributions</td>
<td>Chemistry review session</td>
<td>No class</td>
<td></td>
</tr>
</tbody>
</table>

### Mid-Session Recess 16/04/18 – 20/04/18

| 8    | 23/04/2018 Productivity and global climate change | Marine reserves (Discussion)                  | No class (in lieu of field prac) | Plankton collection (3 h) Field |
| 9    | 30/04/2018 Marine Pests                          | Human impacts in the coastal zone              | Writing tips          | Processing and identification of plankton samples and work on write-up (3 h) |
| 10   | 07/05/2018 Deep Sea Video                        | Deep Sea Video                                 | Questions and Answers | Processing and identification of plankton samples and work on write-up (3 h) |
| 11   | 14/05/2018 Seawater composition and the carbon cycle | Box models                                     | Practical: measuring salinity (3 h) | Practical: nutrient distributions (3 h) |
| 12   | 21/05/2018 Ocean acidification                   | Interpreting journal articles                  | Practical: nutrient distributions (3 h) |                     |
| 13   | 28/05/2018 Carbon and nutrient distributions     | Chemistry review session                       | No class              |                           |

### Study Recess 04/06/18 – 08/06/18

### Examinations 09/06/18 – 21/06/18

*The above timetable should be used as a guide only, as it is subject to change. Students will be advised of any changes as they become known.*
## Section B: Assessment

### Assessment Summary

<table>
<thead>
<tr>
<th>Assessment Item</th>
<th>Form of Assessment</th>
<th>Due Date</th>
<th>Return/Feedback Due Dates</th>
<th>Weighting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Assessment 1</td>
<td>Theory Quizzes (2, worth 5% each)</td>
<td>Weeks 2 &amp; 4</td>
<td>Weeks 2 &amp; 4</td>
<td>10%</td>
</tr>
<tr>
<td>Assessment 2</td>
<td>Earth Sciences Group Project</td>
<td>Week 3</td>
<td>Week 4</td>
<td>10%</td>
</tr>
<tr>
<td>Assessment 3</td>
<td>Earth Sciences Test</td>
<td>Week 5</td>
<td>Week 6</td>
<td>20%</td>
</tr>
<tr>
<td>Assessment 4</td>
<td>Biology Report</td>
<td>Week 11</td>
<td>Week 12</td>
<td>15%</td>
</tr>
<tr>
<td>Assessment 5</td>
<td>Chemistry Reports (pre-lab quiz, report template, and final report)</td>
<td>Weeks 11 &amp; 13</td>
<td>Weeks 12 &amp; study period</td>
<td>10%</td>
</tr>
<tr>
<td>Assessment 6</td>
<td>Final Examination</td>
<td>UOW Exam Week</td>
<td>Release of results</td>
<td>35%</td>
</tr>
</tbody>
</table>

**Total Marks**: 100%

### Details of Assessment Tasks

Assessment tasks will be marked using explicit criteria that are provided below to students prior to submission.

**Assessment 1**

- **Theory Quizzes (2, worth 5% each)**
- **Due Date**: Weeks 2 & 4
- **Weighting**: 10%
- **Submission**: Quiz papers and answers must be submitted at the conclusion of the test.
- **Type of Collaboration**: Individual Assessment
- **Length**: 15 minutes
- **Details**: Multiple choice questions in Moodle
- **Style and format**: Online Short tests
- **Subject Learning Outcomes**: 1, 2, 5
- **Marking Criteria**: Pick the most correct answer to each question.

**Assessment 2**

- **Earth Sciences Group Project**
- **Due Date**: Week 4
- **Weighting**: 10%
- **Submission**: Submit an electronic copy of your assessment via upload to Moodle (Turnitin)
- **Type of Collaboration**: Group Project
- **Length**: Report (Word) submitted by each group – no length restriction but expected to be no more than 2-3 pages
- **Details**: TBA
- **Style and format**: Individual preparation followed by an up to 2 hours in-class group project
- **Subject Learning Outcomes**: 1, 2, 5, 6
- **Marking Criteria**: The marking criteria will be made available on your eLearning site by week 1 of session.
### Assessment 3
- **Earth Sciences Test**
- **Due Date:** Week 6
- **Weighting:** 20%
- **Submission:** Test papers and answers must be submitted at the conclusion of the in-class test
- **Type of Collaboration:** Individual Assessment
- **Length:** 1.5 hours duration
- **Details:** TBA
- **Style and format:** Short answer written questions (up to 2 pages space given per question) and can include diagrams
- **Subject Learning Outcomes:** 1, 2, 5, 6
- **Marking Criteria:** The marking criteria will be made available on your eLearning site by week 1 of session.

### Assessment 4
- **Biology Report**
- **Due Date:** Week 11 (Wednesday 16th May 2018)
- **Weighting:** 15%
- **Submission:** Submit an electronic copy of your assessment via upload to elearning
- **Type of Collaboration:** Individual Assessment
- **Length:** 3000 words
- **Details:** TBA
- **Style and format:** Report in the format of a scientific paper
- **Subject Learning Outcomes:** 4, 5, 6
- **Marking Criteria:** The marking criteria will be made available on your eLearning site by week 7 of session.

### Assessment 5
- **Chemistry Reports (pre-lab quiz, report template, and final report)**
- **Due Date:** Weeks 11 & 13
- **Weighting:** 10%
- **Submission:** Submit an electronic copy of your assessment via upload to elearning
- **Type of Collaboration:** Individual Assessment
- **Length:** 10 pages (2 for 5B + 8 for 5C)
- **Details:**
  - Assessment 5 has three required parts:
    - **5A: Pre-lab quiz**
      The quiz will cover pre-lab background reading that is necessary to ensure to complete the first chemistry practical safely and efficiently. Both the reading and the quiz will be available on Moodle. The quiz must be completed before for admittance to the laboratory.
    - **5B: Salinity lab report**
      Results from the salinity practical should be submitted in a report template, which will be provided on Moodle and available during the practical.
    - **5C: Nutrients lab report**
      The final chemistry report will integrate results from the nutrients practical with critical evaluation of relevant scientific literature. More details will be posted on Moodle and discussed during the Week 12 tutorial.
- **Style and format:** Online quiz + template report + report
- **Subject Learning Outcomes:** 1, 3, 5, 6
- **Marking Criteria:** The marking criteria will be made available on your eLearning site by week 11 of session.
Assessment 6  |  Final Examination  
--- | ---  
Due Date  |  During exam period  
Weighting  |  35%  
Submission  |  Exam papers and answers must be submitted at the conclusion of the exam.  
Type of Collaboration  |  Individual Assessment  
Length  |  2 hours  
Details  |  This examination will include both essay and short answer questions. The examination can potentially include all subject matter given in lectures, tutorials and practicals given in the subject for the Biology and Chemistry components of the subject.  
Style and format  |  Final exam  
Subject Learning Outcomes  |  1, 3, 4, 5, 6  
Marking Criteria  |  The marking criteria will be made available on your eLearning site by week 10 of session.

Minimum Requirements for a Pass in this Subject

To receive a clear pass in this subject a total mark of 50% or more must be achieved. In addition, failure to meet any of the minimum performance requirements is grounds for awarding a Technical Fail (TF) in the subject, even where total marks accumulated are greater than 50%.

A Technical Fail (TF) grade will be awarded for the subject even where the total marks accumulated are 50% or higher, if one or more of the following criteria are not met:

- Achieve at least 15 of the 40 marks available for the Earth Sciences assessment items in Weeks 1 to 5
- Achieve at least 3 of 15 marks available for the Biology Report
- Achieve at least 2 of the 10 marks available for the Chemistry reports
- Obtain a mark in the final exam of at least 15 out of 35 with at least 2 marks of the 10 marks available from the chemistry component

Student Attendance and Participation

Student attendance at lectures, tutorials and practicals and field excursions is expected.

- Attendance is compulsory at practicals (a role is kept). Marks are not given for attendance.

Completion of the pre-lab quiz before the first Chemistry practical is also compulsory, and students who have not completed the quiz will not be admitted to the practical.

- Attendance is compulsory at the field trip.

Where lack of practical attendance may affect performance related to an assessment task, then the submission of an application for Academic Consideration via SOLS and the presentation of suitable documentation is required, for example a Medical Certificate, to Student Central as soon as possible. Note that using data in a practical report that has been collected by another student is NOT acceptable and may be considered academic misconduct. For further details about applying for academic consideration visit the Student Central webpage:  

Scaling

Scaling may occur in this subject at the end of session by the Unit Assessment Committee and/or Faculty Assessment Committee (FAC). Marks will only be scaled to ensure fairness/parity of marking across groups of students. Scaling will not affect any individual student’s rank order within their cohort. For more information refer to Assessment Guidelines – Scaling:  
Late Submission
Late submission of an assessment task without an approved extension of the deadline is not acceptable. If you are unable to submit an assessment due to extenuating circumstances (e.g. medical grounds or compassionate grounds), you can make an application of academic consideration. Not all circumstances qualify for academic consideration. For further details about applying for academic consideration visit the Student Central webpage: http://www.uow.edu.au/student/central/academicconsideration/index.html

Late Submission Penalty
Late submission of an assessment task without an approved extension of the deadline is not acceptable. Marks will be deducted for late submission at the rate of 10% of the total possible marks for that particular assessment task per day. This means that if a piece of work is marked out of 100, then the late penalty will be 10 marks per day (10% of 100 possible marks per day). The formula for calculating the late penalty is the total possible marks x 0.10 x number of days late. For the purposes of this policy a weekend (Saturday and Sunday) will be regarded as two days.

No marks will be awarded for work submitted after the assessment has been returned to the students.

Supplementary Assessments
Supplementary assessment may be offered to students whose performance in this subject is close to that required to pass the subject, and are otherwise identified as meriting an offer of a supplementary assessment. The precise form of supplementary assessment will be determined at the time the offer of a supplementary assessment is made.

Students can log on to SOLS and click on the link titled “Supplementary Assessment” to view any applicable offers. Addition information on supplementary assessments is available at: http://www.uow.edu.au/student/exams/suppassess/index.html

System of Referencing Used for Written Work
The Author-Date (Harvard) referencing system should, unless otherwise specified for a particular assessment (check Details of Assessment Tasks), be utilised. A summary of the Harvard system can be accessed on the Library website at: http://uow.libguides.com/refcite

Submission of Assessments
Refer to the submission requirements under the details of the individual assessments. Students should ensure that they receive a receipt acknowledging submission. Students will be required to produce this in the event that an assessment task is considered to be lost. Students are also expected to keep a copy of all their submitted assessments in the event that re-submission is required.

Assessment Return
Students will be notified when they can collect or view their marked assessment. In accordance with University Policy marked assessments will usually only be held for 21 days after the declaration of marks for that assessment.
Section C: General Advice

Students should refer to the Faculty of Science, Medicine and Health website for information on policies, learning and support services and other general advice.

Student Consultation and Communication

University staff receive many emails each day. In order to enable them to respond to your emails appropriately and in a timely fashion, students are asked to observe basic requirements of professional communication.

Please ensure that you include your full name and student number and identify your practical class or tutorial group in your email so that staff know who they are communicating with and can follow-up personally where appropriate.

Consider what the communication is about

- Is your question addressed elsewhere (e.g. in the subject outline or, on the eLearning site)?
- Is it something that is better discussed in person or by telephone? This may be the case if your query requires a lengthy response or a dialogue in order to address. If so, see consultation times above and/or schedule an appointment.
- Are you addressing your request to the most appropriate person?

Specific email subject title to enable easy identification of issue

- Identify the subject code of the subject you are enquiring about (as staff may be involved in more than one subject) put this in the email subject heading. Add a brief, specific query reference after the subject code where appropriate.

Professional courtesy

- Address the staff member appropriately by name (and formal title if you do not yet know them).
- Use full words (avoid ‘text-speak’ abbreviations), correct grammar and correct spelling.
- Be respectful and courteous.
- Allow 3 – 4 working days for a response before following up. If the matter is legitimately urgent, you may wish to try telephoning the staff member (and leaving a voicemail message if necessary) or inquiring at the School Office.

eLearning Space

This subject has materials and activities available via eLearning. To access eLearning you must have a UOW user account name and password, and be enrolled in the subject. eLearning is accessed via SOLS (student online services). Log on to SOLS and then click on the eLearning link in the menu column. For information regarding the eLearning spaces please use the following link: https://www.uow.edu.au/student/elearning/index.html

Use of Internet Sources

Students are able to use the Internet to access the most current information on relevant topics and information. Internet sources should only be used after careful critical analysis of the currency of the information, the role and standing of the sponsoring institution, reputation and credentials of the author, the clarity of the information and the extent to which the information can be supported or ratified by other authoritative sources.
**Lecture, Tutorial, Laboratory Times**

**On campus**
All timetable information is subject to variation. Check latest timetabling information on the 'Current Student' webpage on UOW website or log into SOLS to view your personal timetable prior to attending classes.


Timetable information can be accessed from [https://www.uow.edu.au/student/timetables/](https://www.uow.edu.au/student/timetables/)


**Extraordinary Changes for the Subject after Release of the Subject Outline**

In extraordinary circumstances the provisions stipulated in this Subject Outline may require amendment after the Subject Outline has been distributed. All students enrolled in the subject must be notified and have the opportunity to provide feedback in relation to the proposed amendment, prior to the amendment being finalised.

**Learning Analytics**

Data on student performance and engagement (such as Moodle and University Library usage, task marks, use of SOLS) will be available to the Subject Coordinator to assist in analysing student engagement, and to identify and recommend support to students who may be at risk of failure. If you have questions about the kinds of data the University uses, how we collect it, and how we protect your privacy in the use of this data, please refer to [http://www.uow.edu.au/dvca/bala/analytics/index.html](http://www.uow.edu.au/dvca/bala/analytics/index.html)

**The Assessment Quality Cycle**

The Assessment Quality Cycle provides a level of assurance that assessment practice across the University is appropriate, consistent and fair.

Assessment Quality Cycle Activities are undertaken to contribute to the continuous improvement of assessment and promote good practices in relation to the:

a. design of the assessment suite and individual assessment tasks;
b. marking of individual assessment tasks;
c. finalisation of subject marks and grades; and
d. review of the subject prior to subsequent delivery

Copies of student work may be retained by the University in order to facilitate quality assurance of assessment processes.

**Academic Integrity Policy**

The full policy on Academic Integrity Policy is found in the Policy Directory on the UOW website. “The University's Academic Integrity Policy, Faculty Handbooks and subject guides clearly set out the University’s expectation that students submit only their own original work for assessment and avoid plagiarising the work of others or cheating. Re-using any of your own work (either in part or in full) which you have submitted previously for assessment is not permitted without appropriate acknowledgement or without the explicit permission of the Subject Coordinator. Plagiarism can be detected and has led to students being expelled from the University.

The use by students of any website that provides access to essays or other assessment items (sometimes marketed as 'resources'), is extremely unwise. Students who provide an assessment item (or provide access to an assessment item) to others, either directly or indirectly (for example by
uploading an assessment item to a website) are considered by the University to be intentionally or recklessly helping other students to cheat. Uploading an assessment task, subject outline or other course materials without express permission of the university is considered academic misconduct and students place themselves at risk of being expelled from the University.”

**Student Academic Complaints Policy (Coursework or Higher Degree Research)**

In accordance with the Coursework Student Academic Complaints Policy, a student may request an explanation of a mark for an assessment task or a final grade for a subject consistent with the student’s right to appropriate and useful feedback on their performance in an assessment task. Refer to the Coursework Student Academic Complaints Policy for further information.

**Student Support Services and Facilities**

Students can access information on student support services and facilities at the following link. This includes information on “Academic Support”, “Starting at University”, “Help at University” as well as information and support on “Careers and Jobs”. [http://www.uow.edu.au/student/services/index.html](http://www.uow.edu.au/student/services/index.html)

**Student Etiquette**

# UOW Grade Descriptors

The University of Wollongong Grade Descriptors are general statements that describe student performance at each of the University’s grade levels.

<table>
<thead>
<tr>
<th>Grade</th>
<th>Mark %</th>
<th>Descriptor</th>
</tr>
</thead>
</table>
| High Distinction HD | 85-100 | A high distinction grade (HD) is awarded for performance that provides evidence of an outstanding level of attainment of the relevant subject learning outcomes, demonstrating the attributes of a distinction grade plus (as applicable):  
  • consistent evidence of deep and critical understanding  
  • substantial originality and insight in identifying, generating and communicating competing arguments, perspectives or problem-solving approaches  
  • critical evaluation of problems, their solutions and their implications  
  • use of quantitative analysis of data as the basis for deep and thoughtful judgments, drawing insightful, carefully qualified conclusions from this work  
  • creativity in application as appropriate to the discipline  
  • eloquent and sophisticated communication of information and ideas in terms of the conventions of the discipline  
  • consistent application of appropriate skills, techniques and methods with outstanding levels of precision and accuracy  
  • all or almost all answers correct, very few or none incorrect |
| Distinction D | 75-84  | A distinction grade (D) is awarded for performance that provides evidence of a superior level of attainment of the relevant subject learning outcomes, demonstrating the attributes of a credit grade plus (as applicable):  
  • evidence of integration and evaluation of critical ideas, principles, concepts and/or theories  
  • distinctive insight and ability in applying relevant skills, techniques, methods and/or concepts  
  • demonstration of frequent originality in defining and analysing issues or problems and providing solutions  
  • fluent and thorough communication of information and ideas in terms of the conventions of the discipline  
  • frequent application of appropriate skills, techniques and methods with superior levels of precision and accuracy  
  • most answers correct, few incorrect |
| Credit C     | 65-74  | A credit grade (C) is awarded for performance that provides evidence of a high level of attainment of the relevant subject learning outcomes, demonstrating the attributes of a pass grade plus (as applicable):  
  • evidence of learning that goes beyond replication of content knowledge or skills  
  • demonstration of solid understanding of fundamental concepts in the field of study  
  • demonstration of the ability to apply these concepts in a variety of contexts  
  • use of convincing arguments with appropriate coherent and logical reasoning  
  • clear communication of information and ideas in terms of the conventions of the discipline  
  • regular application of appropriate skills, techniques and methods with high levels of precision and accuracy  
  • many answers correct, some incorrect |
| Pass P       | 50-64  | A pass grade (P) is awarded for performance that provides evidence of a satisfactory level attainment of the relevant subject learning outcomes, demonstrating (as applicable):  
  • knowledge, understanding and application of fundamental concepts of the field of study  
  • use of routine arguments with acceptable reasoning  
  • adequate communication of information and ideas in terms of the conventions of the discipline  
  • ability to apply appropriate skills, techniques and methods with satisfactory levels of precision and accuracy  
  • a combination of correct and incorrect answers |
| Fail F       | <50    | A fail grade (F) is given for performance that does not provide sufficient evidence of attainment of the relevant subject learning outcomes. |
| Technical Fail TF |       | A technical fail (TF) grade is given when minimum performance level requirements for at least one assessment item in the subject as a whole has not been met despite the student achieving at least a satisfactory level of attainment of the subject learning outcomes. |
| Satisfactory S |        | A satisfactory grade (S) is awarded for performance that demonstrates a satisfactory level of attainment of the relevant subject learning outcomes. |
| Unsatisfactory U |        | An unsatisfactory grade (U) is awarded for performance that demonstrates an unsatisfactory level of attainment of the relevant subject learning outcomes. |
| Excellent E  |        | An excellent grade (E) may be awarded, instead of a satisfactory grade (S), within subjects from the School of Medicine that have been completed with a consistent pattern of high standard of performance in all aspects of the subject. |

More details on UOW Grade descriptors can be found on the following link  
University Policies

Students should be familiar with the following University policies:

a. Code of Practice – Teaching and Assessment

b. Code of Practice – Research, where relevant

c. Code of Practice – Honours, where relevant

d. Student Charter

e. Code of Practice – Student Professional Experience, where relevant

f. Academic Integrity and Plagiarism Policy

g. Student Academic Consideration Policy

h. Course Progress Policy

i. Academic Complaints Policy (Coursework and Honours Students)

j. Inclusive Language Policy

k. Workplace Health and Safety, where relevant

l. Intellectual Property Policy

m. IP Student Assessment of Intellectual Property Policy, where relevant

n. Policy on Ethical Objection by Students to the Use of Animal and Animal Products in Coursework Subjects, where relevant

o. Human Research Ethics Guidelines, where relevant

p. Animal Research Guidelines, where relevant

q. Student Conduct Rules and accompanying Procedures or Research Misconduct Policy for research students
## Version Control Table

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<td>1</td>
<td>20171122</td>
<td>Brian Jones—Subject Coordinator</td>
<td>Sonia Losinno – Learning and Teaching Coordinator</td>
<td>Final Autumn 2018 MARE200 Subject Outline</td>
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