SCIE404: Research Frontiers in Science

Subject Outline
Autumn, 2015
Flexible
Wollongong

Subject Information
Credit Points: 6
Pre-requisite(s): Completion of SCIE102 and SCIE202
Co-requisite(s): Nil
Restrictions: Available only to students in International BSc (Hons)
Contact Hours: 2 hours lecture/video conference per week. Please note that LV-A and LV-B start in orientation week

Subject Contacts
Subject Coordinator/Lecturer

<table>
<thead>
<tr>
<th>Name:</th>
<th>Dr Sibylle Schwab</th>
</tr>
</thead>
<tbody>
<tr>
<td>Location:</td>
<td>Building 41, Room 174</td>
</tr>
<tr>
<td>Telephone:</td>
<td>61 2 4221 5816</td>
</tr>
<tr>
<td>Email:</td>
<td><a href="mailto:Sibylle_schwab@uow.edu.au">Sibylle_schwab@uow.edu.au</a></td>
</tr>
<tr>
<td>Consultation mode and times:</td>
<td>Email for appointment</td>
</tr>
</tbody>
</table>

Student Support and Advice
For general enquiries please contact StudentHub 41:

<table>
<thead>
<tr>
<th>Location:</th>
<th>41.138B</th>
</tr>
</thead>
<tbody>
<tr>
<td>Telephone:</td>
<td>61 2 4221 3492</td>
</tr>
<tr>
<td>Email:</td>
<td><a href="mailto:smah-students@uow.edu.au">smah-students@uow.edu.au</a></td>
</tr>
</tbody>
</table>
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:

**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.
- 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.
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Section A: General Information

Subject Learning Outcomes

On completion of this subject, students should be able to:

1. Present knowledgeably an international perspective on current topics at the forefront of Science
2. Discuss orally and in writing the major, important aspects of interdisciplinary and international topics on Science
3. Appreciate the diversity of opinions affecting the implementation of modern technologies
4. Critically evaluate the nature and implication of modern developments in Science
5. Critically evaluate the ethical aspects of modern developments in Science

Subject Description

This subject is part of the “Global Science Studies” component of the International Bachelor of Science Honours degree. It will cover cutting edge topics in Science that are interdisciplinary and international in nature. These topics will be tailored each year to the research interests and backgrounds of the speakers who will deliver seminars to students via videoconference. Reading lists will be distributed to students at the beginning of the year with specific readings that students should review prior to each seminar. One or more videoconferences will be held on each topic and students will be expected to engage with the speaker and with their fellow students about each particular topic. Students will also need to prepare minor reports on each of the topics. Students will also select a topic for which they will prepare a major research paper.

eLearning Space

eLearning space is not available for this subject

Lecture, Tutorial, Laboratory Times

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


Key University Dates can be accessed from

Readings, References and Materials

Textbooks
Nil

Prescribed Readings (includes eReadings)
The following texts are prescribed for this subject, but students are not expected to purchase these.

To be advised in first class of subject

Materials
Nil

Recommended Readings
The following references complement the prescribed readings and textbooks:

Nil

Recent Changes to this Subject
Nil

Schedule of Learning

<table>
<thead>
<tr>
<th>Week</th>
<th>Week Commencing</th>
<th>Lecture / Seminar</th>
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<tbody>
<tr>
<td>0</td>
<td>22/02/2016</td>
<td>Introduction</td>
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<tr>
<td>1</td>
<td>29/02/2016</td>
<td>Class discussion</td>
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<td>2</td>
<td>07/03/2016</td>
<td>Class discussion</td>
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<tr>
<td>3</td>
<td>14/03/2016</td>
<td>Class discussion</td>
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<td>4</td>
<td>21/03/2016</td>
<td>Class discussion</td>
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<td>5</td>
<td>28/03/2016</td>
<td>Class discussion</td>
</tr>
<tr>
<td>6</td>
<td>04/04/2016</td>
<td>Group presentation</td>
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<tr>
<td>7</td>
<td>11/04/2016</td>
<td>Group presentation</td>
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<tr>
<td>8</td>
<td>18/04/2016</td>
<td>Group presentation</td>
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<td></td>
<td>Mid-Session Recess 25th April-29th April</td>
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<td>9</td>
<td>02/05/2016</td>
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<tr>
<td>10</td>
<td>09/05/2016</td>
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<td>11</td>
<td>16/05/2016</td>
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<td>12</td>
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<td>13</td>
<td>30/05/2016</td>
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<td></td>
<td>Study Recess 6th June-10th June</td>
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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>
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<tbody>
<tr>
<td>Assessment 1</td>
<td>Class participation</td>
<td>Weekly</td>
<td>Within 21 days of due date</td>
<td>20%</td>
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<tr>
<td>Assessment 2</td>
<td>Presentation</td>
<td>TBA</td>
<td>Within 21 days of due date</td>
<td>40%</td>
</tr>
<tr>
<td>Assessment 3</td>
<td>Research Project</td>
<td>TBA</td>
<td>Release of Results</td>
<td>40%</td>
</tr>
</tbody>
</table>

Total Marks 100%

Please note that this subject will be assessed as satisfactory or unsatisfactory.

Details of Assessment Tasks

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

To be advised in the first class on subject.

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%.

The minimum performance requirements for this subject are:

- pass all assessment tasks

Minimum Student Attendance and Participation

It is expected that students will allocate 12 hours per week to this subject, including any required class attendance, completion of prescribed readings and assessment tasks.

Student attendance at tutorials, practicals, seminars and/or simulations is compulsory and students must attend at least 80% of classes. Absences will require the submission of an application for Academic Consideration via SOLS and the presentation of suitable documentation, for example a Medical Certificate, to Student Central as soon as practical. For further details about applying for academic consideration visit the Student Central webpage:


Scaling

Scaling will not occur in this subject.

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:

Late Submission Penalty – 10%
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.

For example:
- Student A submits an assessment which is marked out of 100. The assessment is submitted 4 days late. This means that a late penalty of 40 marks will apply (100 x 0.10 x 4). The assessment is marked as per normal out of 100 and is given a mark of 85/100, and then the late penalty is applied. The result is that the student receives a final mark of 45/100 for the assessment (85 (original mark) – 40 marks (late penalty) = 45/100 (final mark)).
- Student B submits a report which is marked out of 20. The report is submitted three days late. This means that a late penalty of 6 marks will apply ((20 x 0.10 x 3). The report is marked as per normal out of 20 and is given a mark of 15/20, and then the late penalty is applied. The result is that the student receives a final mark of 9/20 for the report (15 (original mark) – 6 marks (late penalty) = 9/20 (final mark)).

No marks will be awarded for work submitted after the assessment has been returned to the students (except where a particular assessment task is undertaken by students at different times throughout the session, but where the assessment is based on experiments or case studies specific to a student). Notwithstanding this, students must complete all assessment tasks to a satisfactory standard and submit them, regardless of lateness or loss of marks, where submission is a condition of satisfactorily completing the subject.

Supplementary Assessments
This subject has been identified as unsuitable for supplementary assessment, and no supplementary assessment will be offered.

System of Referencing Used for Written Work
The Vancouver style of referencing is the preferred referencing system for this subject. Details of this referencing style are attached as an appendix to this document or available at: http://guides.is.uwa.edu.au/content.php?pid=279406&sid=2301548

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.

Plagiarism
The full policy on Academic Integrity and Plagiarism is found in the Policy Directory on the UOW website.

“The University's Academic Integrity and Plagiarism 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. 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. This is considered academic misconduct and students place themselves at risk of being expelled from the University."

Submission of Assessments
Refer to the submission requirements under the details of the individual assessments. Students should ensure that they receive a receipt/evidence acknowledging assessment 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 assignments in the event that re-submission is required.

Assessment Return
Students will be notified when they are able to view their marked assessment. In accordance with University Policy marked assignments will usually only be held for 21 days after the declaration of marks for that assignment.
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.

University Policies

Students should be familiar with the following University policies:

a. Code of Practice – Teaching and Assessment

b. Student Charter

c. Academic Integrity and Plagiarism Policy

d. Student Academic Consideration Policy

e. Course Progress Policy

f. Graduate Qualities Policy

g. Academic Complaints Policy (Coursework and Honours Students)

h. Policy and Guidelines on Non-Discriminatory Language Practice and Presentation

i. Intellectual Property Policy

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 “Career’s and Jobs”. http://www.uow.edu.au/student/services/index.html

Student Etiquette

Guidelines on the use of email to contact teaching staff, mobile phone use in class and information on the university guide to eLearning ‘Netiquette’ can be found at http://www.uow.edu.au/student/elearning/netiquette/index.html

Version Control Table

<table>
<thead>
<tr>
<th>Version Control</th>
<th>Release Date</th>
<th>Author/Reviewer</th>
<th>Approved By</th>
<th>Amendment</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>20151118</td>
<td>Dr Sybille Schwab – Subject Coordinator</td>
<td>Mrs Sonia Losinno – ADE Nominee</td>
<td>Final SCIE404 Autumn 2016 Subject Outline</td>
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