



The University of Southern Queensland

Course specification

Description: Science Honours Project C

| Subject | Cat-nbr | Class | Term | Mode | Units | Campus |
|---------|---------|-------|---------|------|-------|-----------|
| SCI | 4404 | 41330 | 1, 2005 | ONC | 2.50 | Toowoomba |

| | |
|-----------------------------------|--------|
| Academic group: | FOSCI |
| Academic org: | FOS002 |
| Student contribution band: | 2 |
| ASCED code: | 019999 |

STAFFING

Examiner: Mark Sutherland

Moderator: Michael Kotiw

RATIONALE

A substantial programme of research will be performed by the student, the prime purpose being to give the student experience in carrying out scientific research.

SYNOPSIS

This course involves students in a research project which will be supervised by a member of staff with appropriate expertise. It may consist of pure or developmental research in an important area of science and be based on experimental work conducted either within the University or elsewhere in conjunction with a government or private organisation. At the conclusion of their research program students are required to submit a detailed research thesis. Overall Honours grades will be determined in accordance with Department of Biological and Physical Sciences Honours program guidelines.

OBJECTIVES

On successful completion of this course students will be able to:

1. demonstrate competence through practical experience in the performance of original scientific research;
2. demonstrate their understanding of real-world practical problems and the limitations these place on scientific advances;
3. demonstrate expertise in critically reviewing scientific literature and placing their research results in the context of published findings;
4. demonstrate expertise in scientific writing and data presentation, through production of an Honours dissertation.

TOPICS

| Description | Weighting (%) |
|--|---------------|
| 1. Conduct research activities within a defined research project. | 75.00 |
| 2. Preparation and submission of a dissertation describing the research conducted. | 25.00 |

TEXT and MATERIALS required to be PURCHASED or ACCESSED

ALL textbooks and materials are available for purchase from USQ BOOKSHOP (unless otherwise stated). Orders may be placed via secure internet, free fax 1800642453, phone 07 46312742 (within Australia), or mail. Overseas students should fax +61 7 46311743, or phone +61 7 46312742. For costs, further details, and internet ordering, use the 'Textbook Search' facility at <http://bookshop.usq.edu.au> click 'Semester', then enter your 'Course Code' (no spaces).

REFERENCE MATERIALS

Reference materials are materials that, if accessed by students, may improve their knowledge and understanding of the material in the course and enrich their learning experience.

Such journals, monographs and other printed materials appropriate for the research topic chosen.

ASSESSMENT DETAILS

| Description | Marks out of | Wtg(%) | Due date |
|--------------------------|--------------|--------|-----------------------------|
| SCI HONOURS DISSERTATION | 100.00 | 100.00 | 02 Mar 2005 (see note 1) |

NOTES

1. Examiner to advise the due date of the Honours Dissertation

IMPORTANT ASSESSMENT INFORMATION

- 1 Attendance requirements:
It is the students' responsibility to attend and participate appropriately in all activities (such as lectures, tutorials, laboratories and practical work) scheduled for them, and to study all material provided to them or required to be accessed by them to maximise their chance of meeting the objectives of the course and to be informed of course-related activities and administration.
- 2 Requirements for students to complete each assessment item satisfactorily:
To complete the dissertation satisfactorily students must gain at least 50% of the marks available.
- 3 Penalties for late submission of required work:
If students submit the dissertation late, without prior approval, then a penalty of 5% of the total marks gained by the student for the dissertation will apply for each day late.
- 4 Requirements for student to be awarded a passing grade in the course:
To be assured of a passing grade, students must satisfactorily complete the dissertation and the final Honours seminar in SCI4401.
- 5 Method used to combine assessment results to attain final grade:

Final grades for students will be determined on the basis of marks obtained for the dissertation.

6 Examination information:

There is no examination in this course.

7 Examination period when Deferred/Supplementary examinations will be held:

There will be no Deferred or Supplementary examinations in this course.

8 University Regulations:

Students should read USQ Regulations 5.1 Definitions, 5.6. Assessment, and 5.10 Academic Misconduct for further information and to avoid actions which might contravene University Regulations. These regulations can be found at the URL <http://www.usq.edu.au/corporateservices/calendar/part5.htm> or in the current USQ Handbook.

ASSESSMENT NOTES

9 Further information regarding the Science Project is given in the current version of the Biology Honours Guidelines.

10 Science Honours Dissertation: Four typed unbound copies of the research dissertation, presented in the format typical of a post-graduate dissertation, must be submitted to the examiner of this course by the due date. Following the examination, the dissertation will be returned to the student for correction (to their supervisor's satisfaction and any requirements of the Department's Research and Higher Degree Committee). Following correction, four copies of the dissertation, bound to University requirements, are to be submitted to the course Examiner who will then process the student's final grade for this course. All students will be awarded a grade of "IDM" (incomplete, further work required) until either the bound dissertation, or evidence of binding, is provided to the course examiner.