Description: Science Masters Project 7

<table>
<thead>
<tr>
<th>Subject</th>
<th>Cat-nbr</th>
<th>Class</th>
<th>Term</th>
<th>Mode</th>
<th>Units</th>
<th>Campus</th>
</tr>
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<tbody>
<tr>
<td>SCI</td>
<td>9107</td>
<td>62234</td>
<td>1, 2007</td>
<td>ONC</td>
<td>1.00</td>
<td>Toowoomba</td>
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**Academic group:** FOSCI  
**Academic org:** FOS002  
**Student contribution band:** 2  
**ASCED code:** 019999

**STAFFING**

Examiner: Mark Sutherland  
Moderator: Alfio Parisi

**RATIONALE**

This course is part of a supervised research project which provides opportunities for motivated and highly qualified students to undertake advanced study and to produce a research-based dissertation. Students develop the appropriate research skills and specialist knowledge which will enhance their career prospects or allow them to undertake further studies. The emphasis of the programme is on developing the appropriate knowledge and skills to undertake independent research and professional practice.

**SYNOPSIS**

This course and other courses with the course numbers in the range of SCI9101 to SCI9108 comprise the research component of the Master of Science. On completion of all of the courses students will have prepared and undertaken a supervised research project and prepared a dissertation for examination. Students will present at least one seminar annually as part of the requirements. The enrolment pattern in courses SCI9101 to SCI9108 will need to be established for each student on enrolment. Activities to be undertaken in each of the courses will be determined on an individual student basis by the student's supervisor.

**OBJECTIVES**

On successful completion of the courses SCI9101 to SCI9108 students will be able to:

1. identify a research topic (Supervisor's Report);
2. proceed with the research topic (Supervisor's Report);
3. if appropriate, gain ethical clearance for their project (Supervisor's Report);
4. prepare a satisfactory research proposal (Supervisor's Report);
5. think analytically, critically and creatively about a chosen research topic and related issues within the area of specialisation chosen (Supervisor's Report);
6. demonstrate competence in each component of empirical research procedures, viz; identification and analysis of research problems, formulation of hypotheses, operationalised research procedures, collection of relevant data, appropriate analysis of data, interpretation of results obtained, and draw appropriate conclusions (Supervisor's Report);
7. competently write a dissertation based on the research project to communicate all aspects of the project to professional peers (Supervisor's Report);
8. present a research seminar to the Department of Biological and Physical Sciences, outlining the project aims and progress (Seminar).

**TOPICS**

<table>
<thead>
<tr>
<th>Description</th>
<th>Weighting (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>To be determined by the supervisor in consultation with the student.</td>
<td>100.00</td>
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</table>

**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.

To be determined by the student's supervisor.

**STUDENT WORKLOAD REQUIREMENTS**

<table>
<thead>
<tr>
<th>ACTIVITY</th>
<th>HOURS</th>
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<tbody>
<tr>
<td>Directed Study</td>
<td>13.00</td>
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<tr>
<td>Private Study</td>
<td>140.00</td>
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<tr>
<td>Seminars</td>
<td>1.00</td>
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<tr>
<td>Supervisor Consultation</td>
<td>13.00</td>
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ASSESSMENT DETAILS

<table>
<thead>
<tr>
<th>Description</th>
<th>Marks out of</th>
<th>Wtg(%)</th>
<th>Due date</th>
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<tbody>
<tr>
<td>SEMINAR</td>
<td>1.00</td>
<td>50.00</td>
<td>06 Mar 2007</td>
</tr>
<tr>
<td>(see note 1)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SUPERVISOR'S REPORT</td>
<td>1.00</td>
<td>50.00</td>
<td>06 Mar 2007</td>
</tr>
<tr>
<td>(see note 2)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
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NOTES
1. Postgraduate Coordinator/Supervisor to advise date of seminar.
2. Supervisor to advise due date of report.

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. Students are also expected to attend Department Research
   Seminars.

2 Requirements for students to complete each assessment item satisfactorily:
   Not applicable.

3 Penalties for late submission of required work:
   Not applicable.

4 Requirements for student to be awarded a passing grade in the course:
   The course will be graded as SP (Satisfactory Progress) or F(Fail). A grade of SP is required
   to allow progress to the next course in the sequence SCI9101 to SCI9108. To be awarded
   the grade of SP, a student must be assessed by their supervisor as having made satisfactory
   progress against a set of objectives provided by the Supervisor and have presented, at a
   satisfactory standard, one seminar reporting on the scope and progress of the project work
   to the Department of Biological and Physical Sciences.

5 Method used to combine assessment results to attain final grade:
   Not applicable.

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 In accordance with University policy, the examiner of a course may grant an extension
   of the due date of an assignment in extenuating circumstances.