



# BIOM9914

Masters Project

Term Three // 2020

## Course Overview

### Staff Contact Details

#### Convenors

Name	Email	Availability	Location	Phone
Michael Stevens	thesis.biomedeng@unsw.edu.au	By appointment only		
Fatemeh Karimi	thesis.biomedeng@unsw.edu.au			

### School Contact Information

Student Services can be contacted via [unsw.to/webforms](https://unsw.to/webforms).

## Course Details

### Credit Points 12

### Summary of the Course

Please note: candidates must contact the School for consent to enrol. BIOM9914 is only available to high achieving students with prior written school approval.

The biomedical engineering Masters Project allows coursework Masters students to experience research training either within the School or with collaborating institutions such as hospitals and CSIRO. Projects are selected by the student in consultation with a supervisor conducting research in an area of interest to the student. If the research topic selected is external to the School/University, the student must arrange for an internal GSBmE co-supervisor/assessor. The Project is conducted over 1 session and contributes half of a student's normal full-time load. Projects are assessed on the basis of a project report in the format of either a thesis or a research paper ready for submission to a refereed journal. An oral or poster presentation may be also required. Performance in this course is graded.

### Course Aims

This is the course for the postgraduate masters research projects to be undertaken in 1 semester. It consists of 12 UOC. It allows coursework students to experience research training either within the School or with collaborating institutions. Candidates should complete the thesis proposal form (see GSBmE website) in consultation with a GSBmE supervisor who will act as their supervisor. A second co-supervisor/assessor must also be nominated on this application. All thesis proposal forms must be approved by the Head of School.

### Course Learning Outcomes

1. Evaluate and critically review the scientific literature
2. Write a scientific report and communicate scientific findings to an educated audience
3. Design, carry out, analyse and report on research tasks

### Teaching Strategies

- 1.

### Learning and teaching activities

The student will rely on developing an independent and collaborative learning approach. Research questions are often open-ended and highly specialised, so the student will learn most by one-to-one mentoring provided by the supervisor and their research team.

You will learn most of your skills from PhDs and Post Docs in your lab. We encourage you to attend lab meetings to get and know lab personnel.

### Expectations of students

- Meet your supervisor regularly
- Complete all the assessments on time

## **Additional Course Information**

There is no official class time for this course. You must still ensure your **enrolment and registration** is up to date in your enrolment. Your face-to-face time needs to be organised with your supervisor, as you are expected to meet them at least once per week.

# Assessment

## Assessment Tasks

Assessment task	Weight	Due Date	Student Learning Outcomes Assessed
Scientific Manuscript	100%	Monday Week 11	1, 2, 3

## Assessment Details

### Assessment 1: Scientific Manuscript

**Start date:** Not Applicable

**Length:** 5000 words

#### Details:

The objective of this assessment is to create a research manuscript that could form the basis of a journal article. Please review the documents on Moodle for further instructions. Note that there is a strict word limit of 5000 words.

1. Literature review/background and putting the results in context (20%)
2. Execution of the research project, quality of analysis, discussion of results (50%)
3. Conclusions and value added (20%)
4. Document presentation (10%)

**Turnitin setting:** This is not a Turnitin assignment

## Resources

### Prescribed Resources

Resources will be made available to help students guide them in their journey.

## Extensions

You can apply for [special consideration](#) when illness or other circumstances interfere with your assessment performance.

Other applications for extension of submission of thesis reports (e.g. equipment breakdown, etc.):

1. Discuss the possibility of an extension with your supervisor first.
2. Requests can then be lodged by the student here <http://tinyurl.com/yy2jzpyv>. The supervisor will then receive an email asking them to approve, before it is escalated to the decision panel.
3. Request must be lodged by **Week 6** of term.
4. Panel decision will be made by end of **week 7**.
5. The decision will be made by a panel – consisting of the HoS (or their nominee), Thesis Coordinator, and 1 other person.
6. Students should be alerted to the fact that this is not guaranteed, and thus should not rely on getting an extension.
7. Typically, extensions are granted UP TO 3 weeks. The length of the extension needs to be requested and justified by the supervisor. Panel will decide the length of time granted.

## Procedure if you fail

Students have three options.

1. re-enrol for BIOM9914 again, new project and supervisor
2. re-enrol for BIOM9914, same project - needs consent of an appropriate supervisor & student
3. Student does further work, re-submits thesis after a max of 6 weeks. *Course* mark capped at 50%. If still not satisfactory, then needs to re-enrol.

This last option is only available if the original mark was  $\geq 40$ , OR if the student is in their last semester before graduation (regardless of the original mark).

## Industry based projects

We encourage students to seek partnerships with industry, so students can have a co-supervisor from industry. However, if confidentiality is required, a confidential disclosure agreement (CDA) is obligatory. The agreement will protect the intellectual property rights of the industry partner, UNSW and the student. Students or academics are **not authorised** to sign confidential disclosure agreements on behalf of UNSW and are advised to talk to the course coordinator and UNSW legal office to arrange for drafting and signing of the confidential disclosure or research agreement.

## Late procedure

In all cases, applications for late submission can be applied for BEFORE the due date. This is at the discretion of the thesis coordinator but should only be granted in exceptional circumstances. As per normal, students can also apply through myUNSW for special consideration.

5 marks will be deducted off the *thesis* for every day late. Penalty applies until the marks for the *course* decrease to 50, and further lateness does not result in failure of the *course*, but might be a failure of the thesis (weekends count as days).

## Additional support for students

- The Current Students Gateway: <https://student.unsw.edu.au/>
- Academic Skills and Support: <https://student.unsw.edu.au/academic-skills>
- *Student Wellbeing, Health and Safety*: <https://student.unsw.edu.au/wellbeing>
- Disability Support Services: <https://student.unsw.edu.au/disability-services>
- UNSW IT Service Centre: <https://www.it.unsw.edu.au/students/index.html>

## Recommended Resources

Not available

## Course Evaluation and Development

## Submission of Assessment Tasks

Laboratory reports and major assignments will require a [Non Plagiarism Declaration Cover Sheet](#).

Late submissions will be penalised 10% of the mark for each calendar day late. If you foresee a problem in meeting the nominated submission date please contact the Course Convenor to make an appointment to discuss your situation as soon as possible.

## Academic Honesty and Plagiarism

### PLAGIARISM

Beware! An assignment that includes plagiarised material will receive a 0% Fail, and students who plagiarise may fail the course. Students who plagiarise will have their names entered on a plagiarism register and will be liable to disciplinary action, including exclusion from enrolment.

It is expected that all students must at all times submit their own work for assessment. Submitting the work or ideas of someone else without clearly acknowledging the source of borrowed material or ideas is plagiarism.

All assessments which you hand in must have a [Non Plagiarism Declaration Cover Sheet](#). This is for both individual and group work. Attach it to your assignment before submitting it to the Course Coordinator or at the School Office.

Plagiarism is the use of another person's work or ideas as if they were your own. When it is necessary or desirable to use other people's material you should adequately acknowledge whose words or ideas they are and where you found them (giving the complete reference details, including page number(s)). The Learning Centre provides further information on what constitutes Plagiarism at:

<https://student.unsw.edu.au/plagiarism>

## **Academic Information**

### **COURSE EVALUATION AND DEVELOPMENT**

Student feedback has helped to shape and develop this course, including feedback obtained from on-line evaluations as part of UNSW's as part of UNSW's myExperience process. You are highly encouraged to complete such an on-line evaluation toward the end of Term. Feedback and suggestions provided will be important in improving the course for future students.

### **DATES TO NOTE**

Refer to MyUNSW for Important Dates, available at:  
<https://my.unsw.edu.au/student/resources/KeyDates.html>

### **ACADEMIC ADVICE**

For information about:

- Notes on assessments and plagiarism,
- Special Considerations,
- School Student Ethics Officer, and
- BESS

refer to the School website available at  
<http://www.engineering.unsw.edu.au/biomedical-engineering/>

### **Supplementary Examinations:**

Supplementary Examinations for Term 3 2020 will be held on Monday 11th January – Friday 15th January (inclusive) should you be required to sit one.

### **Image Credit**

Synergies in Sound 2016

### **CRICOS**

CRICOS Provider Code: 00098G

### **Acknowledgement of Country**

We acknowledge the Bedegal people who are the traditional custodians of the lands on which UNSW Kensington campus is located.