HESC4571

Research Internship B

Course Outline

Term 3, 2024

School of Health Sciences

Faculty of Medicine & Health

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1. Staff

Position	Name	Email	Consultation times and locations	Contact Details
Course Convenor	Martin R Lindley	m.lindley@unsw.edu.au	By appointment	By email

2. Course information

Units of credit: 6UOC

Pre-requisite(s): HESC4561 – Research Internship A

Teaching times and locations:

- Poster Presentations seminar: Wed Week 9 (2-hour session in **your scheduled** class time at either 9am, 11am, or 2pm). Supervisors are welcome at the presentation sessions.
- Regular meetings with research supervisor.
- Class Details (unsw.edu.au)

2.1 Course summary

This course comprises the second half (10 weeks) of a 20 week (2 term) experimental research project, supervised by a suitable staff member of a research institution. The project may encompass a systematic review, project development, clinical or laboratory experiments, statistical analyses, and oral and written reporting. Projects may also involve 'placements', possibly outside UNSW, in the form of externally funded research programs, industrial placements or other programs either during the usual session or in the session breaks. In these cases, students will require an academic member of staff to supervise the internship. The course will develop your ability to formulate research questions, conduct in-depth studies, analyse and present data, and write reports.

2.2 Course aims

- To develop critical thinking in relation to the scientific literature
- To foster independence in undertaking research projects, such as collecting and analysing scientific and clinical data or conducting a systematic review
- To provide skills in effective scientific communication (oral & written)

2.3 Course learning outcomes (CLO)

At the successful completion of this course you (the student) should be able to:

1. Gain practical experience in performing techniques used in biomedical research
2. Synthesize, organise and present scientific data in the format of a scientific journal article
3. Evaluate the efficacy of project methods in addressing research questions
4. Communicate and work effectively with peers, colleagues and stakeholders

2.4 Relationship between course and program learning outcomes and assessments

Course Learning Outcome (CLO)	LO Statement	Program Learning Outcome (PLO)	Related Tasks & Assessment
CLO 1	Gain practical experience in performing techniques used in biomedical research.		Supervisor Report Poster Presentation Written Report
CLO 2	Synthesize, organise, and present scientific data in the format of a scientific journal article.		Supervisor Report Poster Presentation Written Report
CLO 3	Evaluate the efficacy of project methods in addressing research questions.		Supervisor Report Poster Presentation Written Report
CLO 4	Communicate and work effectively with peers, colleagues, and stakeholders		Supervisor Report Poster Presentation Dissemination Strategy Written Report

3. Strategies and approaches to learning

3.1 Learning and teaching activities

1. **Develop research dissemination strategy.**
2. **Student poster presentations (face to face)**
3. **Regular meetings with research supervisor to plan research, set timelines, problem solve, analyse & synthesise data & discuss conclusions (face to face & online)**

3.2 Expectations of students

Students are reminded that UNSW recommends that a 6 units-of-credit course should involve about 150 hours of study and learning activities. The formal learning activities total approximately 50 hours throughout the term and students are expected (and strongly recommended) to do at least the same number of hours of additional study.

Attendance is compulsory at:

- **Poster Presentations seminar: Wed Week 9 (2-hour session in your scheduled class time at 9am, 11am, or 2pm). Students are expected to be actively involved in critiquing their colleagues' presentations and asking questions in Q & A session at end of each presentation.**

3.3 Attendance requirements

Students are expected to attend all scheduled clinical, laboratory and tutorial classes. An Unsatisfactory Fail (UF) may be recorded as the final grade for the course if students fail to meet the minimum requirement of 80% attendance for clinical, laboratory and tutorial classes (unless otherwise specified on Moodle). Course attendance expectations are determined by the requirements of the program accrediting body. Where a student is unable to attend, they are advised to inform the course convenor as soon as possible but no later than 3 days after the scheduled class and, where possible, provide written documentation (e.g. medical certificate) to support their absence.

4. Course schedule and structure

This course consists of 4 ours of class contact hours. You are expected to take an additional 146 hours of non-class contact hours to complete assessments, readings, and exam preparation.

Week [Date/Session]	Topic [Module]	Activity [Learning opportunity]	Related CLO
Week 3	Identify key stakeholders for research findings and methods of targeting relevant groups	Submit research dissemination strategy	CLO 4
Week 9	Presenting scientific findings	Poster Presentations	CLO 1,2,3,4
Week 10	Preparing scientific reports	Submit written report	CLO 1,2,3,4
Week 10	Research Supervision	Submission Supervisor Report	CLO 1,2,3,4

Teaching period: 9 Sep - 15 Nov 2024
Exam Period: 22 Nov – 5 Dec 2024
Supplementary Exam Period: 6 Jan – 10 Jan 2025

5. Assessment

5.1 Assessment tasks

Assessment task	Length	Weight	Mark	Due date and time
Assessment 1: Research **Dissemination Strategy** - The learning objectives of this assessment task are to: • Identify key stakeholders for dissemination of findings of research project • Determine strategies for dissemination of results to aid translation of findings into practice Identify the relevant audience for your research findings. Write a 200-word summary of the project, it's findings and its relevance to the key target audience in language appropriate to the audience.	200-word summary of findings	10%	10	5pm **Friday Week 3**
Assessment 2: Poster presentation - A summary of the research undertaken in a poster format that could be presented at a conference/workshop or at a public information session. The presentation will be of 4 minutes duration, with 3-4 minutes of question time, discussion and verbal feedback provided after the presentation.	8 mins duration session time is 2 hours	30%	20	Submit PowerPoint version of poster presentation to Moodle by **Monday week 9** . Oral presentation in your scheduled class time on **Wednesday Week 9**
Assessment 3: Written Report - A written assignment of 4000 words which includes a detailed scientific description of the research project containing an introduction, aims, hypothesis (if appropriate), methods, results, discussion and conclusions / recommendations. Presented in the format of a scientific journal article.	4,000 words	50%	50	5:00pm **Friday week 10**
Assessment 4: Supervisor Report - A report by the internship supervisor commenting on the student's performance throughout the	N/A	10%	10	5:00pm **Friday week 10**

term. A rubric will form the basis for the Supervisor Report.				

Further information

UNSW grading system: https://student.unsw.edu.au/grades

UNSW assessment policy: https://student.unsw.edu.au/assessment

5.2 Assessment criteria and standards

Assessment Task 1 – DISSEMINATION STRATEGY
Important research findings are often poorly translated into clinical practice.
This assessment involves identifying the relevant audience for your research findings & writing a 200-word summary of the project, it's findings and its relevance to the key target audience in language appropriate to the audience.

Use of Generative AI Permission in this assignment – No Assistance
This assessment is designed for you to complete without the use of any generative AI. You are not permitted to use any generative AI tools, software or service to search for or generate information or answers.

Assessment Task 2 – POSTER PRESENTATION
The following marking scheme will be used to grade your poster presentation.

Background & Content	***Max Marks = 10***	***Unsatisfactory (mark = 0)***	***Below average (0.5)***	***Satisfactory (mark = 1.0)***	***Good (mark = 1.5)***	***Excellent (mark = 2.0)***	***Mark***
Relevant background & adequate justification for study	*2*						
Aims & scope of study adequately explained	*2*						
Structure is logical & easy to follow	*2*						
Critical analysis of results	*2*						
Able to be understood by an educated but non-expert audience	*2*						
Poster appearance & Presentation Style	***Max Marks = 20***	***Unsatisfactory (mark = 0)***	***Below average (1.0)***	***Satisfactory (mark = 2.0)***	***Good (mark = 3.0)***	***Excellent (mark = 4.0)***	***Mark***
Layout attractive	*4*						
Font size & colour easy to read	*4*						
Use of pictures, diagrams & tables	*4*						
Confident voice, audience engagement	*4*						

& timing (not too short or long)							
Ability to interpret & answer questions	*4*						

Use of Generative AI Permission in this assignment – No Assistance
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2. Assessment Task 3 – WRITTEN REPORT

The following marking scheme will be used to grade your written research report

Background	***Max Marks = 10***	***Unsatisfactory (mark = 0)***	***Below average (0.5)***	***Satisfactory (mark = 1.0)***	***Good (mark = 1.5)***	***Excellent (mark = 2.0)***	***Mark***
Abstract Concise & relevant	*2*						
Clinical relevance of the research project / systematic review adequately explained	*2*						
Scope of the research project / systematic review adequately explained	*2*						
Coverage of appropriate research to date in this area	*2*						
Explanation of gaps in the literature	*2*						
Content	***Max Marks = 20***	***Unsatisfactory (mark = 0)***	***Below average (1.0)***	***Satisfactory (mark = 2.0)***	***Good (mark = 3.0)***	***Excellent (mark = 4.0)***	***Mark***
Accurate and detailed description of study design, methods & procedures	*4*						
Accurate description of outcome measures – primary and secondary, sample size & power calculations	*4*						
Results well presented	*4*						
Conclusions are valid with depth of critical analysis of results	*4*						
Accurate summary of strengths, weaknesses, and future directions	*4*						
Quality of the writing	***Max Marks = 20***	***Unsatisfactory (mark = 0)***	***Below average (1.0)***	***Satisfactory (mark = 2.0)***	***Good (mark = 3.0)***	***Excellent (mark = 4.0)***	***Mark***

Clear, fluent writing	*4*						
Grammar & spelling	*4*						
Adherence to prescribed format	*4*						
Written for educated but non-expert reader	*4*						
Referencing (accuracy & format)	*4*						

Use of Generative AI Permission in this assignment – No Assistance
This assessment is designed for you to complete without the use of any generative AI. You are not permitted to use any generative AI tools, software or service to search for or generate information or answers.

3. Assessment Task 4 – SUPERVISOR REPORT

(To be completed by the supervisor)
The supervisor is encouraged to discuss this evaluation with the student before sending the evaluation to the course convenor.

Student Name: _____
Supervisor Name: _____
This internship started on (date) _____ and was completed on (date) _____
At (location) _____
Please give a brief summary of the internship:
_____
_____

Student attribute	***Excellent (1.0)***	***Good (0.75)***	***Average (0.5)***	***Poor (0.25)***	***Not applicable (N/A)***
Enthusiasm for the experience					
Accuracy and precision in experiments					
Decision-making, judgments, setting priorities					
Attention to detail					
Willingness to ask for guidance					
Persistence to complete tasks					
Data analysis skills					
Ability to synthesize information and communicate it effectively					

Ability to work cooperatively with others					
Ability to create and communicate possible solutions to problems					

Additional comments: ……..

Grade: /10 (scores will be averaged across number of applicable attributes)

Signature of Supervisor and date of evaluation: ……

Use of Generative AI Permission in this assignment – No Assistance
This assessment is designed for you to complete without the use of any generative AI. You are not permitted to use any generative AI tools, software or service to search for or generate information or answers.

5.3 Submission of assessment tasks

Late Submission

UNSW has standard late submission penalties as outlined in the UNSW Assessment Implementation Procedure, with no permitted variation. All late assignments (unless extension or exemption previously agreed) will be penalised by 5% of the maximum mark per day (including Saturday, Sunday, and public holidays). For example, if an assessment task is worth 30 marks, then 1.5 marks will be lost per day (5% of 30) for each day it is late. So, if the grade earnt is 24/30 and the task is two days late the student receives a grade of 24 – 3 marks = 21 marks.

Late submission is capped at 5 days (120 hours). This means that a student cannot submit an assessment more than 5 days (120 hours) after the due date for that assessment.

Short Extension

UNSW has introduced a short extension procedure for submission of individual assessment tasks. This does not include timed assessments, exams, quizzes, group tasks, presentations, clinical skills assessments or practical assessments. Students must check the availability of a short extension in the individual assessment task information for their courses. Additional information on Short Extensions is available via this link Special Consideration | Short Extensions.

Short extensions do not require supporting documentation. They must be submitted before the assessment task deadline. No late applications will be accepted. Late penalties apply to submission of assessment tasks without approved extension.

Special Consideration

In cases where short term events beyond your control (exceptional circumstances) will affect your performance in a specific assessment task, you may formally apply for Special Consideration through myUNSW.

UNSW has a Fit to Sit rule, which means that by sitting an examination on the scheduled date, you are declaring that you are fit to do so and cannot later apply for Special Consideration. Examinations include

centrally timetabled examinations and scheduled, timed examinations, tests and practical assessments managed by your School.

You must apply for Special Consideration **before** the start of your exam or due date for your assessment, except where your circumstances of illness or misadventure stop you from doing so.

If your circumstances stop you from applying before your exam or assessment due date, you must **apply within 3 working days** of the assessment, or the period covered by your supporting documentation.

More information can be found on the Special Consideration website.

5.4. Feedback on assessment

- Feedback to students will be delivered via a number of methods. Following written assignments submitted through Turnitin, scoring will be given in the form of an assessment rubric with comments attached. Following oral presentations, feedback will be delivered in 2 ways; generic feedback to the whole group about strengths and weaknesses & individual feedback (summary of examiners comments) online with grade.
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- Additional feedback can also be provided via email or face to face when requested. This can be following assessments or as a tool to enable students to adapt and adjust their research direction when challenges arise.

6. Academic integrity, referencing and plagiarism

Referencing is a way of acknowledging the sources of information that you use to research your assignments. You need to provide a reference whenever you draw on someone else's words, ideas or research. Not referencing other people's work can constitute plagiarism.

Please use Vancouver or APA referencing style for this course.

Further information about referencing styles can be located at https://student.unsw.edu.au/referencing

***Academic integrity** is fundamental to success at university. Academic integrity can be defined as a commitment to six fundamental values in academic pursuits**:** honesty, trust, fairness, respect, responsibility and courage.*[1] *At UNSW, this means that your work must be your own, and others' ideas should be appropriately acknowledged. If you don't follow these rules, plagiarism may be detected in your work.*

*Further information about academic integrity and **plagiarism** can be located at:*

- *The Current Students site* https://student.unsw.edu.au/plagiarism*, and*
- *The ELISE training site* https://subjectguides.library.unsw.edu.au/elise

The Conduct and Integrity Unit provides further resources to assist you to understand your conduct obligations as a student: https://student.unsw.edu.au/conduct.

[1] International Center for Academic Integrity, 'The Fundamental Values of Academic Integrity', T. Fishman (ed), Clemson University, 2013.

7. Readings and resources

Useful resources can be found on the Moodle site for this course under the section “Course Resources”.

8. Administrative matters

Late enrolment

Each request will be escalated to the course convenor and considered on a case-by-case basis.

Student enquiries should be submitted via student portal https://portal.insight.unsw.edu.au/web-forms/

9. 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 and Health:* https://www.student.unsw.edu.au/wellbeing
- *UNSW IT Service Centre:* https://www.myit.unsw.edu.au/services/students
- *UNSW Student Life Hub:* https://student.unsw.edu.au/hub#main-content
- *Student Support and Development:* https://student.unsw.edu.au/support
- *IT, eLearning and Apps:* https://student.unsw.edu.au/elearning
- *Student Support and Success Advisors:* https://student.unsw.edu.au/advisors
- *Equitable Learning Services (Formerly Disability Support Unit):* https://student.unsw.edu.au/els
- *Transitioning to Online Learning* https://www.covid19studyonline.unsw.edu.au/
- *Guide to Online Study* https://student.unsw.edu.au/online-study