

HESC4571

Research Internship B

Course Outline
Term 3, 2023

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	Mandy Hagstrom	m.hagstrom@unsw.edu.au	By appointment Wed	By email

2. Course information

Units of credit: 6 UOC

Course Prerequisites / Assumed Knowledge:

- 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.

Course information can be found at: <http://timetable.unsw.edu.au/2023/HESC4571.html>

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	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 i.e., **15 hours per week across 10 weeks**. This time will involve; regular meetings with research supervisor, presentation and attendance at student poster

presentations, data collection, entry and analysis, and other relevant tasks (e.g., writing dissemination strategy & research report).

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.

Students are expected to attend all scheduled teaching activities, including clinical, laboratory and tutorial classes. Some courses have specific attendance requirements, and an Unsatisfactory Fail (UF) may be recorded as the final grade for the course if students fail to meet the requirements, as specified in the course and assessment information provided on the course Moodle page.

As stipulated in the course information on Moodle, course attendance expectations are determined by the requirements of the accrediting body for each health discipline.

Where a student is unable to attend, they are advised to inform the course convenor, according to the instructions outlined on your course Moodle page.

4. Course schedule and structure

This course has minimal contact hours. You are expected to spend an additional 14 hours per week of non-class contact hours to meet with supervisors, collect data, undertake readings & prepare oral and written assessments.

Week [Date/Session]	Topic	Activity	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

Exam Period: 24 November – 7 December 2023

Supplementary Exam Period: 8 January – 12 January 2024

5. Assessment

5.1 Assessment tasks

Assessment task	Length	Weight	Mark	Due date and time
<p>Assessment 1: Research Dissemination Strategy - The learning objectives of this assessment task are to:</p> <ul style="list-style-type: none"> • Identify key stakeholders for dissemination of findings of research project • Determine strategies for dissemination of results to aid translation of findings into practice <p>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.</p>	200-word summary of findings	10%	10	5pm Friday 29th September 2023 (Week 3)
<p>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.</p>	8 mins duration session time is 2 hours	30%	20	Submit PowerPoint version of poster presentation to Moodle by 9am Monday 6th November 2023 . Oral presentation in your scheduled class time on Wednesday Week 9
<p>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.</p>	4,000 words	50%	50	5:00pm Friday 17th November 2023 (week 10)

Assessment 4: Supervisor Report - A report by the internship supervisor commenting on the student's performance throughout the term. A rubric will form the basis for the Supervisor Report.	N/A	10%	10	5:00pm Friday 17th November 2023 (week 10)
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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 TASKS

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, its findings and its relevance to the key target audience in language appropriate to the audience.

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

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						

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)
<i>Enthusiasm for the experience</i>					
<i>Accuracy and precision in experiments</i>					
<i>Decision-making, judgments, setting priorities</i>					

<i>Attention to detail</i>					
<i>Willingness to ask for guidance</i>					
<i>Persistence to complete tasks</i>					
<i>Data analysis skills</i>					
<i>Ability to synthesize information and communicate it effectively</i>					
<i>Ability to work cooperatively with others</i>					
<i>Ability to create and communicate possible solutions to problems</i>					

Additional comments:

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

Signature of Supervisor and date of evaluation:

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 earned is 24/30 and the task is two days late the student receives a grade of $24 - 3 \text{ marks} = 21 \text{ marks}$.

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.

Special Consideration

If you experience a short-term event beyond your control (exceptional circumstances) that impacts your performance in a particular assessment task, you can apply for Special Considerations.

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.

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 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>.

7. Readings and resources

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

8. Administrative matters

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>

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