



UNSW
THE UNIVERSITY OF NEW SOUTH WALES

Research Topics in Neurosciences

NEUR3211

Faculty of Medicine
School of Medical Sciences

Course Convenor: Dr Renée Morris
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Course Outline
Session 2, 2017

Table of Content

Course convenor and co-convenor	2
Course Details	2
Course Aims	2
Learning Outcomes	2
Teaching Strategies	3
Assessment	3
Academic Honesty & Plagiarism	3-4
Resources for Students	4

Course Convenor and Co-Convenor

The course convenor is Dr Renée Morris.

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Course Details

- Unit of Credits: 6
- Undergraduate course, Year 3, Session 2
- Prerequisite: ANAT3411 or NEUR 3121 or another equivalent (contact course Coordinator)
- Time: Friday 10:00 am to 1:00 pm
- Venue: Pioneer Lecture Theatre, AGSM Building (G27 on Kensington Campus map)

Course Aims

The aim of NEUR3211 is to provide third year students a rewarding learning experience that will prepare them for their Neuroscience Honours year and beyond. Blended learning will be used throughout the course to provide the students with a unique opportunity:

Learning Outcomes

- To foster their ability to learn independently
- To develop their critical thinking skills within the course and in real life situations
- To improve their oral and written communication skills
- To develop as reflective scholars
- To foster collegiality while working in a team
- To solve problems within the context of the course and beyond
- To gain awareness of ethics in neuroscience and beyond

Teaching Strategy

- The course is delivered in a seminar format with a single 3-hour session each. The session commences with a 1.5-hour lecture delivered by experts in their respective field of research. These guest lecturers are researchers within the School and its affiliated centres who will contribute with their special expertise to the topics proposed. In these lectures, the students will gain knowledge regarding key concepts in neuroscience. There will be 3-5 polling questions embedded in the lectures to enhance students learning and participation.
- In the remaining half of the sessions, Students will individually present a research paper that they will have previously chosen from a number of papers selected by the guest lecturer of the session. Question time will follow each presentation. Each student presentation will be assessed by the lecturer of the day, the course coordinator and/or the course co-convenor and a subgroup of students. There will be approximately 2-4 presentations per session, depending on the number of students in the course. Participation during these sessions is essential.
- As a ‘signature’ component of the course, the students will spend a minimum of 10 hours in one of the host laboratories within SoMS and affiliated research centres. Although the students will not be allowed to be hands on during these laboratory sessions due to Health & Safety issues, they will familiarise themselves with how experiments related to the research theme(s) of the host laboratory are planned and conducted. It is likely that students will team up together for this component of the course. The outcome of these experiments will be presented by each group of students in the form of a poster summarising the rational, methods, results, conclusion and significance of the experiments that they observed. Moreover, each student in the groups will individually write a short reflective report (no longer than 1,500 words) on their personal experience stemming from their lab visit.
- Students will write a 3000-word essay on a neuroscience-related topic selected by the course convenor.

Assessment

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|----------------------|-----|
| • Oral presentations | 20% |
| • 3000-word essay | 20% |
| • Poster | 20% |
| • Reflective report | 10% |
| • Final theory exam | 20% |
| • Participation | 10% |

Academic Honesty & Plagiarism

The UNSW standards for academic honesty and plagiarism are defined in the website <https://student.unsw.edu.au/plagiarism>. Briefly, ‘UNSW has an ongoing commitment to fostering a culture of learning informed by academic integrity. All UNSW staff and students

have a responsibility to adhere to this principle of academic integrity. Plagiarism undermines academic integrity and is not tolerated at UNSW. '*Plagiarism at UNSW is defined as using the words or ideas of others and passing them off as your own.*' Essays will be scrutinised for plagiarisms with Turnitin.

Resources for Students

There is no textbook for this course.