



Faculty of Medicine
School of Medical Sciences

NEUR4411

Behavioural Neuroscience

T1 2020

COURSE OUTLINE

NEUR4411- Course Outline - 2020

1. Information about the Course

NB: Some of this information is available on the <https://www.handbook.unsw.edu.au/undergraduate/courses/2020/NEUR4411/?q=neur4411&ct=all>

Year of Delivery	2020			
Course Code	NEUR4411			
Course Name	Behavioural Neuroscience			
Academic Unit	Neuroscience			
Level of Course	Honours			
Units of Credit				
Session(s) Offered	T1			
Hours per Week	2			
Number of Weeks	10 weeks			
Commencement Date	Week 1: Tuesday, 18 th February, 2020			
Summary of Course Structure (for details see 'Course Schedule')				
Component	HPW	Time	Day	Location
Lectures	2	10 am - 12 pm	Tuesday	MAT 227
Special Details	<ul style="list-style-type: none"> Important announcements and any changes to this document will be posted on the Moodle course website. This document will be available on the site. 			

2. Staff Involved in the Course

Convenor/Lecturer	Dr Kelly Clemens	MAT 909	k.clemens@unsw.edu.au
Co-convenor/Lecturer	Dr Asheeta Prasad	MAT 507	asheeta.prasad@unsw.edu.au
Guest Lecturer	Dr Denovan Begg	MAT 708	d.begg@unsw.edu.au
Guest Lecturer	Dr Justine Fam	MAT 706	j.fam@unsw.edu.au
Guest Lecturer	Dr Karly Turner	MAT 404	karly.turner@unsw.edu.au
Guest Lecturer	Dr Philip Jean-Richard-Dit-Bressel	MAT 704	p.jean-richardditbressel@unsw.edu.au

3. Course Details

Course Description & Aims	<p>The course is an introduction to behavioural neuroscience, focusing on traditional approaches, the integration of technological advances into behavioural neuroscience and translational outcomes.</p> <p>The aims of the course are to provide you with:</p> <ul style="list-style-type: none"> Knowledge of behavioural neuroscience and how it relates to human disorders, in particular mental health and reward dysfunction Understanding of how basic research in behavioural neuroscience is used to advance treatments in neurodegenerative disorders New approaches and techniques used in behavioural neuroscience, including potential limitations or pitfalls
Student Learning Outcomes	<p>The learning outcomes of this course (that will be assessed through written assessments and exams) are as follows:</p> <ol style="list-style-type: none"> You will demonstrate knowledge and general empirical understanding of the techniques and approaches used in behavioural neuroscience. You will demonstrate a broad overview of the area of behavioural neuroscience, including strengths and limitations You will demonstrate the skills of critical thinking, conceptual analysis, and oral and written expression.

5. Course Schedule

Program – Lecture Material and Required Reading Posted 1 Week Prior

Tue. 18-2	Week 1: Introduction to Behavioural Neuroscience, including information for assessments <i>Dr Kelly Clemens</i>
Tue. 25-2	Week 2: Modeling mental health disorders: Impulsivity and compulsivity <i>Dr Karly Turner</i>
Tue. 3-3	Week 3: Modeling mental health disorders: Addiction <i>Dr Kelly Clemens</i>
Tue. 10-3	Week 4: Modelling Reward Dysfunction: Obesity <i>Dr Denovan Begg</i>
Tue. 17-3	Week 5: Group Presentations – Mental Health Insights <i>Dr Kelly Clemens</i>
Tue. 24-3	Week 6: Neurodegenerative disorders <i>Dr Asheeta Prasad</i>
Tue. 31-3	Week 7: Oxytocin – more than just a love hormone? <i>Dr Justine Fam</i>
Tue. 7-4	Week 8: Group Presentations – Translational Perspectives <i>Dr Asheeta Prasad</i>
Tue 14-4	Week 9: New techniques in neuroscience – relevance and reliability to behavioural neuroscience <i>Dr Philip Jean-Richard-Dit-Bressel</i>
Tue. 21-4	Week 10: Study Week

6. Assessment Tasks

Assessment

Your mark for the course is derived from:

1. **Weekly Assignment (Group Presentation 2x15%)** **30%**
 - Topics and format will be given in class
2. **Essay** **30%**
 - Topic will be given in class week one, **essay will be due Monday 9th of March (5pm).**
3. **Exam** **40%**
 - Tuesday May 5th, 10 am – 12 pm MAT 227

Multiple choice and short answer questions (one of each from each week – lecture and required reading).
 The Required Readings will be available via Moodle prior to each class.

UNSW Academic Honesty and Plagiarism

Academic honesty and plagiarism include misconduct such as cheating (on exams or by copying other students' assignments) and plagiarism. To avoid plagiarism, you must acknowledge others people's work by referencing it. If you are unsure about what constitutes plagiarism, please talk with the lecturers or tutors. Please read the following explanation carefully, and note the website you can also consult (<http://www.lc.unsw.edu.au/plagiarism/index.html>).

The penalties for academic dishonesty are severe, and can at the very least mean failure in the assignment or exam or the course, and also can mean exclusion from the university for two years. Please read the UNSW academic honesty policy at <http://www.lc.unsw.edu.au/plagiarism/index.html>