COURSE OUTLINE

MHN712 Translational and Applied Neuroscience for Mental Health

School: School of Health - Psychology

2027 | Trimester 1

Online	ONLINE	You can do this course without coming onto campus, unless your program has specified a mandatory onsite requirement.

Please go to unisc.edu.au for up to date information on the teaching sessions and campuses where this course is usually offered.

1. What is this course about?

1.1. Description

In this course you will focus on translational and applied research to better understand mental health problems and disorders, and how the latest neuroscientific research findings are put into practice. You will explore fundamental neuroscience principles and techniques, and how these are utilised to better inform the way mental health is understood and how novel can impact brain structure and function to help improve mental health conditions.

1.2. How will this course be delivered?

ACTIVITY	HOURS	BEGINNING WEEK	FREQUENCY
ONLINE			
Online – The online activities will include a variety of asynchronous, interactive learning materials, and options for lecturer and peer to peer collaborations, and lecturer and peer zoom drop-ins.	3hrs	Week 1	12 times

1.3. Course Topics

- Introduction to the brain, neurobiology and neuroanatomy
- Introduction to neuroimaging
- Translational research and applying neuroscientific evidence
- Principles of treatments for mental disorders and their impacts on brain structure and function

2. What level is this course?

700 Level (Specialised)

Demonstrating a specialised body of knowledge and set of skills for professional practice or further learning. Advanced application of knowledge and skills in unfamiliar contexts.

3. What is the unit value of this course?

12 units

4. How does this course contribute to my learning?

COURSE LEARNING OUTCOMES On successful completion of this course, you should be able to...		GRADUATE QUALITIES Completing these tasks successfully will contribute to you becoming...
1	Build an advanced knowledge of neuroanatomy, neurobiology and neuroimaging in relation to mental health disorders and their development.	Knowledgeable
2	Reflect on and appropriately discuss treatment approaches to mental health disorders from an ethical perspective.	Ethical
3	Review and identify relevant neuroscientific evidence from the appropriate peer-reviewed literature to evaluate new developments in mental health themes and concepts.	Creative and critical thinker
4	Identify, interpret and effectively communicate appropriate neuroscientific evidence to justify principles of various treatment approaches.	Empowered
5	Identify interdisciplinary approaches in mental health research, evaluate the impacts of therapies and interventions on brain structure and function.	Engaged

5. Am I eligible to enrol in this course?

Refer to the UniSC Glossary of terms for definitions of “pre-requisites, co-requisites and anti-requisites”.

5.1. Pre-requisites

Must be enrolled in program AR503, AR602 or AR706

5.2. Co-requisites

Not applicable

5.3. Anti-requisites

Not applicable

5.4. Specific assumed prior knowledge and skills (where applicable)

Not applicable

5.5. Microcredential Information

Not applicable

6. How am I going to be assessed?

6.1. Grading Scale

Standard Grading (GRD)

High Distinction (HD), Distinction (DN), Credit (CR), Pass (PS), Fail (FL).

6.2. Details of early feedback on progress

You will be provided with opportunities to gain early formative feedback relevant to your first assessment task, by completing the interactive self-check questions and activities incorporated into your online modules and learning materials.

6.3. Assessment tasks

DELIVERY MODE	TASK NO.	ASSESSMENT PRODUCT	INDIVIDUAL OR GROUP	WEIGHTING %	WHAT IS THE DURATION / LENGTH?	WHEN SHOULD I SUBMIT?	WHERE SHOULD I SUBMIT IT?
All	1	Portfolio	Individual	60%	Maximum 40 questions and 1000-2000 words	Refer to Format	Online Assignment Submission with plagiarism check
All	2	Oral and Written Piece	Individual	40%	1500 words AND 5 min video	Exam Period	Online Assignment Submission with plagiarism check

All - Assessment Task 1: Learning portfolio

GOAL:	The goal is to build an advanced understanding of neuroanatomy, neurobiology and neuroimaging in relation to mental health disorders and their development by identifying and reviewing relevant peer-reviewed evidence.
PRODUCT:	Portfolio
AUTHORSHIP STATEMENT:	
FORMAT:	Submit Weeks 3, 5, & 8. You will respond to a series of activities throughout the first two blocks of the course. You will submit these according to the guidelines provided at the timepoints of Week 3, 5, and 8. The activities will progress from quiz style questions to short answers and summaries in Parts A & B. Your final submission will build on your foundational knowledge gained, to develop a annotated bibliography relevant for academic writing. Full details and guidance will be provided in your Learning Management System.
CRITERIA:	

No.		Learning Outcome assessed
1	Demonstration of building an advanced knowledge of neuroanatomy, neurobiology and neuroimaging in relation to mental health disorders and their development.	1
2	Review of appropriate peer-reviewed literature.	3
3	Identification of relevant neuroscientific evidence from the appropriate peer-reviewed literature.	3
4	Interpretation of appropriate neuroscientific evidence.	4

GENERIC SKILLS:	Communication, Organisation, Information literacy

All - Assessment Task 2: Critical reflection of evidence-base

GOAL:	The goal is to reflect on interdisciplinary approaches in relation to mental health disorders and effectively communicate appropriate neuroscientific evidence to justify principles of this approach.
PRODUCT:	Oral and Written Piece
AUTHORSHIP STATEMENT:	
FORMAT:	You will write a critical reflection on interdisciplinary treatment approaches, discussing relevant neuroscientific evidence. You will also submit a video summary to highlight the links between evidence you have found and the relevance to your profession, including an ethical perspective. Full details and guidance provided in your Learning Management System.
CRITERIA:	

No.		Learning Outcome assessed
1	Review of relevant neuroscientific evidence from the appropriate peer-reviewed literature to evaluate new developments in mental health themes and concepts.	3
2	Identification and interpretation of appropriate neuroscientific evidence to justify principles of treatment approach	4
3	Identification and interpretation of the interdisciplinary approach in mental health research.	5
4	Evaluation of the impacts of therapies and interventions on brain structure and function.	5
5	Reflection on, and effective communication of, appropriate treatment approaches to mental health disorders, including from an ethical perspective.	2 4

GENERIC SKILLS:	Communication, Problem solving, Information literacy

7. Directed study hours

A 12-unit course will have total of 150 learning hours which will include directed study hours (including online if required), self-directed learning and completion of assessable tasks. Student workload is calculated at 12.5 learning hours per one unit.

8. What resources do I need to undertake this course?

Please note: Course information, including specific information of recommended readings, learning activities, resources, weekly readings, etc. are available on the course Canvas site– Please log in as soon as possible.

8.1. Prescribed text(s) or course reader

> There are no required/recommended resources for this course.

8.2. Specific requirements

All work submitted for assessment is to be word processed and submitted electronically. It is expected that students will have ready access to a computer with common productivity software and reliable Internet access. Students will be able to participate in video conferencing, and therefore it is recommended to have computer capabilities to join these sessions (e.g. webcam, microphone).

9. How are risks managed in this course?

Health and safety risks for this course have been assessed as low. It is your responsibility to review course material, search online, discuss with lecturers and peers and understand the health and safety risks associated with your specific course of study and to familiarise yourself with the University's general health and safety principles by reviewing the online induction training for students, and following the instructions of the University staff.

10. What administrative information is relevant to this course?

10.1. Assessment: Academic Integrity

Academic integrity is the ethical standard of university participation. It ensures that students graduate as a result of proving they are competent in their discipline. This is integral in maintaining the value of academic qualifications. Each industry has expectations and standards of the skills and knowledge within that discipline and these are reflected in assessment.

Academic integrity means that you do not engage in any activity that is considered to be academic fraud; including plagiarism, collusion or outsourcing any part of any assessment item to any other person. You are expected to be honest and ethical by completing all work yourself and indicating in your work which ideas and information were developed by you and which were taken from others. You cannot provide your assessment work to others. You are also expected to provide evidence of wide and critical reading, usually by using appropriate academic references.

In order to minimise incidents of academic fraud, this course may require that some of its assessment tasks, when submitted to Canvas, are electronically checked through Turnitin. This software allows for text comparisons to be made between your submitted assessment item and all other work to which Turnitin has access.

10.2. Assessment: Additional Requirements

Eligibility for Supplementary Assessment

Your eligibility for supplementary assessment in a course is dependent of the following conditions applying:
(a) The final mark is in the percentage range 47% to 49.4%; and
(b) The course is graded using the Standard Grading scale

10.3. Assessment: Submission penalties

Late submissions may be penalised up to and including the following maximum percentage of the assessment task's identified value, with weekdays and weekends included in the calculation of days late:
(a) One day: deduct 5%;
(b) Two days: deduct 10%;
(c) Three days: deduct 20%;
(d) Four days: deduct 40%;
(e) Five days: deduct 60%;
(f) Six days: deduct 80%;
(g) Seven days: A result of zero is awarded for the assessment task.

The following penalties will apply for a late submission for an online examination:
Less than 15 minutes: No penalty
From 15 minutes to 30 minutes: 20% penalty
More than 30 minutes: 100% penalty

10.4. Links to relevant University policy and procedures

For more information on Academic Learning & Teaching categories including:

- Assessment: Courses and Coursework Programs
- Review of Assessment and Final Grades
- Supplementary Assessment
- Central Examinations
- Deferred Examinations
- Student Conduct
- Students with a Disability

For more information, visit https://www.usc.edu.au/explore/policies-and-procedures#academic-learning-and-teaching

10.5. Student Charter

UniSC is committed to excellence in teaching, research and engagement in an environment that is inclusive, inspiring, safe and respectful. The Student Charter sets out what students can expect from the University, and what in turn is expected of students, to achieve these outcomes.

10.6. General Enquiries

For course-specific questions, contact your teaching staff or Course Coordinator.

For other enquiries or to access support, please contact Student Central:

- UniSC Student Central
- UniSC Adelaide Student Central