In this course, students will gain hands on experience of the psychological research process, pl



Handbook Class Timetable

Undergraduate

Sydney

Kensington

# PSYC3361

2023

Term 2

T2

In person

Standard

Kensington

# PSYC3361

2023

Term 2

T2

No

Faculty of Science

School of Psychology

In person

undertaking an internship in a lab within the School of Psychology. Workshops will focus on the replication crisis in psychological science, equipping students with knowledge of open science practice and research skills that are relevant to their research lab work. During tutorials, students will learn how to wrangle, visualise, and report data analysis in R. During the course,

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| | • Verification report<br>• Learning blog |
| CLO4 : Work in a team to achieve common goals, evaluating the effectiveness of their own and others' contribution to a collaborative project. | • Group presentation |
| CLO5 : Communicate project outcomes in both oral and written formats. | • Group presentation<br>Verification |

knowledge, develop coding skills in R, work with data in an open and collaborative way. Students will develop critical thinking skills, learn to evaluate and synthesize information, and practice scientific research communication skills in both oral and written forms. The principal form of teaching is based on hands-on group problem-solving; internship students will have the opportunity to learn with and from peers, tutors, and lecturers, as well as PhD and honours students in their assigned lab. It is up to the students to take responsibility for and reflect on their own learning. Reflective practice forms a major part of the learning log assessment.

This course does not involve lecture content. The cohort will meet several times throughout the session to discuss assessment, reproducibility, and open science benefits and challenges. These workshops will be held in-person on Tuesday afternoons (1-3pm) in Weeks 1-3, 5, 8, and 10. Attendance at these workshops is mandatory. Group presentations will be in the workshop session in Week 8.

There will be an online coding module to complete in Weeks 1 - 5. These modules will cover how to use RMarkdown and read data into R, how to use ggplot to produce a range of visualisations, how to clean and summarise data using dplyr, best practices in data project workflows and how to install R on your machine. Each module takes ~ 2 hours to complete.

Coding labs will be held in-person. Each student will be assigned to the same laboratory session as the rest of their group members. Laboratory sessions are an opportunity for students to consolidate skills learned in the online coding modules, ask their tutor for help and work with their group on their verification project.

Workshops and labs are run in a "flipped" mode. Students

two feedback comments on blog posts from your peers. Each post is due by Sunday 11:59pm of the assigned week and is worth 1% of your final grade; the peer feedback comments are due within 1 week of the post deadline and are worth an additional 1%.

to the forum post with a 200-300 word re f ection (1%)

# u Sr s o

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| | Laboratory | Lab: Group project work |
| | Assessment | Learning log 3 due Sunday 11:59pm |
| Week 7 : 10 July - 14 July | Assessment | Learning log 4 due Sunday 11:59pm |
| | Laboratory | Lab: Group project work |
| Week 8 : 17 July - 21 July | Laboratory | Lab: Individual report work |
| | Workshop | Group presentations |
| Week 9 : 24 July - 28 July | Assessment | Learning log 5 due Sunday 11:59pm |
| | Laboratory | Lab: Individual report work |
| Week 10 : 31 July - 4 August | Workshop | Workshop: Learning new things in R |
| | Laboratory | Lab: individual report work |
| | Assessment | Final Verification Report |

**u r s**

Please note that lecture recordings are not available for this course. Students

Labs/tutorials are scheduled on Thursdays (either 11-1pm or 2-4pm) in Weeks 1-5 and 7-10. You must attend your scheduled lab because your group work peers have been assigned to the same lab session.

Attendance at workshops and labs is mandatory.

In addition to workshops, coding, modules, and labs/tutorials, students are expected to get involved in the research activities going on in their assigned lab and to attend the lab meeting each week.

## u r r s s o s o

## u r s o o o

Feedback will be collected via myExperience survey. See how we have used feedback to improve the course in the My Feedback matters section

**s r o s**

is a way of acknowledging the sources of information that you use to research