Course Outline

PSYC &¤Æ ˆf • „ •€ H• a”ˆñD

1. Staff

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15. Single factor within subjects design. Planned analyses of within subjects contrasts. The MANOVA (multivariate analysis of variance) model vs ANOVA (univariate analysis of variance) model analysis for single-factor within-subjects data. Assumptions.
16. Two-factor mixed designs, B × (W) with one between-subjects and one within-subjects factor. Planned standard contrasts analysis of main and interaction effects. Multivariate vs univariate model for mixed factorial designs. Planned analyses of B × (W) design allowing for inference on simple effect contrasts.
17. Two-factor within-Ss designs, (W W). Planned analyses of main and interaction contrasts based on two-factor multivariate model. Planned analyses allowing for inferences on simple effect contrasts.

2.2 Course aims

This course builds upon the data analytic methods and concepts developed in PSYC2001 and is concerned with data analytic methods that allow for confident inference on generalised comparisons between means (contrasts) for between-subjects designs with more than *two* groups, and within subjects designs with *two or more* occasions of measurement.

This course aims: (i) to provide students with an understanding of analysis of variance models and associated data analysis methods; (ii) to equip students with skills to choose appropriate data analysis method for a range of experimental designs, and to carry out these analyses using statistical packages such as SPSS and PSY; (iii) to equip students with skills to interpret analysis outcomes and to critically evaluate findings of published experiments.

2.3 Course learning outcomes (CLO)

At the successful completion of this course each student should be able to:

1. describe, apply and evaluate different inferential data analysis methods appropriate for single factor and two-way factorial designs with between-subjects and/or within-subjects factors; understand best practice in data analysis methods;
2. make heterogeneity inferences for overall tests, and make directional and confident inferences regarding estimates of treatment effects in contrasts analyses;
3. carry out a simple effects contrasts analysis of factorial data; carry out a trend contrasts analysis across levels of one or more quantitative factors;
4. use a statistical package (such as SPSS) and School of Psychology statistical program PSY to carry out these analyses.

2.4 Relationship between course and program learning outcomes and assessments

	Program Learning Outcomes	
	1. Knowledge	

3. Strategies and approaches to learning

3.1 Learning and teaching activities

The methods covered in this course deal with the analysis of data from *experimental* designs, which are often used in the sub-disciplines of cognition, perception, social and developmental psychology, human and animal learning, and applied areas of psychology, and as such are relevant for the associated Level III Psychology Electives.

Course content for each topic will be discussed in Lectures, in the first instance, and then in statistics and computing tutorials. Tutorials provide students with an opportunity to consolidate and apply their understanding of course material. Practice activities will be posted to Moodle on a regular basis.

3.2 Expectations of students

It is expected that students

- are aware of UNSW Assessment policy and understand how to apply for special consideration if they are unable to complete an assignment/exam due to illness and/or misadventure;
- have read through the School of Psychology Student Guide;
- undertake sufficient independent learning each week (recommended at least nine hours of independent learning per week).

Attendance at interactive online tutorials is an essential requirement of the course, in accordance with UNSW Assessment Implementation Procedure.

Formal teaching in this course is via recorded lectures (with accompanying lecture slides) and a weekly two-hour interactive online tutorial. It is expected that students have viewed the lecture recording for the relevant topic prior to attending the weekly tutorial. Lecture slides, tutorial materials and related activities will be posted to Moodle on a regular basis for each topic.

In order to keep up with this course, you will need to be on track with lecture material. After viewing each lecture recording you should spend some time reviewing your notes and undertaking additional reading where necessary (such as relevant course notes and chapter of the textbook) to ensure that you fully understand the course material for that topic.

Practice activities and selected worked solutions are provided on Moodle for each topic. Students are encouraged to work through these activities after the topic has been covered in lectures and tutorials. If you have course related questions you should ask these in the first instance in your tutorial. You may also email Dr Gleitzman or Dr Li, or post your question to the Discussion forum.

An aggregate mark of 50 or higher across the assessments is required to pass the course. Students need not pass each assessment in order to pass the course. Note that students who do not attempt an assessment will receive a mark of 0 for that component.

All news updates and announcements will be posted to Moodle page and/or by email. It is each student's responsibility to check Moodle and your UNSW email regularly to keep up to date.

All assessments for this course will be delivered online and student submissions will be made to a plagiarism checking tool. The final exam for this course will take place during the UNSW examinations period for Term 2.

Students registered with Equitable Learning Service must provide the course co-ordinator with a Letter of Support as soon as they are made available.

4. Course schedule and structure

There are approximately 40 hours of recorded lectures and 18 hours of interactive online tutorials and 4 hours of non-interactive online tutorials. Students are expected to take an additional 90 hours of self-determined study for this course. See Section 2.1 for description of Topics.

Schedule subject to change			
commencing 1/06/2020	Topic 1 Topic 2	Topic 1 Topic 2	See Moodle
commencing 8/06/2020	Topic 3 Topic 4	Topic 3 Topic 4	See Moodle
commencing 15/06/2020	Topic 5 Topic 6	Topic 5 Intro to PSY Topic 6	See Moodle
commencing 22/06/2020	Topic 7 Topic 8	Topic 7 Topic 8	See Moodle
commencing 29/06/2020	Topic 9 Topic 10 Topic 11	Topic 9 Topic 10 Topic 11	See Moodle
commencing 6/07/2020	Flex week – no classes		
commencing 13/07/2020	Topic 12 Topic 13	Topic 12 Topic 13	
commencing 20/07/2020	Topic 14 Topic 15	Topic 14	

An Assignment worth 20% of the course is due by
and is to be submitted to the Turnitin link on Moodle. The exercise will be set in Week 1 and will cover material drawn from Topics 1-5 and will require you, among other things to carry out statistical analyses using SPSS.

An Assignment worth 20% of the course mark is due by
and is to be submitted to the Turnitin link on Moodle. This exercise will cover material drawn from Topics 6-10. The exercise will be set in Week 4 and will require you, among other things, to carry out a contrasts analysis using the PSY statistical program.

A three-hour online open-book Final Exam worth 60% of your course mark will be held during the T2 Examination period.

https://student.unsw.edu.au/grades

https://student.unsw.edu.au/assessment

5.2 Assessment criteria and standards

Further details and marking criteria for each assessment will be provided to students closer to the assessment release date (see 4.1: UNSW Assessment Design Procedure.

5.3 Submission of assessment tasks

In accordance with UNSW Assessment Policy, written pieces of assessment must be submitted online via Turnitin. No paper or emailed copies will be accepted.

: deduction of marks for late submissions for Assessments 1 & 2 will be in accordance with School policy (see: School of Psychology Student Guide).

Students who are unable to complete an assessment task by the assigned due date can apply for special consideration.

UNSW operates under a Fit to Sit/ Submit rule for all assessments. If a student wishes to submit an application for special consideration for an exam or assessment, the application must be submitted start of the exam or an assessment is submitted. If a student sits the exam/ submits an assignment, they are declaring themselves well enough to do so.

Special consideration applications must be submitted to the online portal along with Third Party supporting documentation. Students who have experienced significant illness or misadventure during the assessment period may be eligible. Only circumstances deemed to be outside of the student's control are eligible for special consideration. Except in unusual circumstances, the duration of circumstances impacting academic work must be more than 3 consecutive days, or a total of 5 days within the teaching period. In the case of the assignment, if approved, students

	slides, course notes, tutorial handouts, practice questions and solutions provide enough material for understanding the course content and completing the assessments.
	Bird, K.D. (2004). Analysis of Variance via Confidence Intervals. London: Sage Publications. NOTE: available via UNSW Library
	UNSW Library UNSW Learning centre ELISE Turnitin Student Code of Conduct Policy concerning academic honesty Email policy UNSW Anti-racism policy statement UNSW Equity and Diversity policy statement

dministrative matters

School of Psychology Student Guide contains School policies and procedures relevant for all nts enrolled in undergraduate or Masters psychology courses, such as:

- Attendance requirements
- Assignment submissions and returns
- Assessments
- Special consideration
- Student code of conduct
- Student complaints and grievances
- Student Equity and Disability Unit
- Health and safety

xpected that students familiarise themselves with the information contained in this guide.

dditional 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, Health and Safety: https://student.unsw.edu.au/wellbeing
- Equitable Learning Services: https://student.unsw.edu.au/els
- UNSW IT Service Centre: