



Faculty of Science
School of Psychology

PSYC3371

**Multivariate Data Analysis for Psychology
Course Outline**

Semester 2, 2018

Course convenor: Dr Melanie Gleitzman

3 Course Timetable

Component		Day	Time	Location	
Lectures	g	Monday	12:00 13:00	Colombo Theatre B	
		Thursday	15:00 16:00	Colombo Theatre A	
		Friday	11:00 12:00	Colombo Theatre C	
	Class	Day	Time	Location	Tutor
Statistics Tutorials	8632	Monday	10:00 11:00	Lib 176B	Sonny Li
	8633	Monday	11:00 12:00	Lib 176B	Sonny Li
	8634	Monday	13:00 14:00	Lib 176B	Vera Newman
	8635	Monday	14:00 15:00	Lib 176A	Vera Newman
	8637	Wednesday	13:00 14:00	Mat 303	Jodie Kidd
Computing Tutorials	8638	Wednesday	16:00 17:00	Mat 209	Jodie Kidd
	8629	Thursday	10:00 11:00	Mat 209	Jodie Kidd
	8630 8631	Thursday Thursday	12:00 13:00	Mat 209	Vera Newman

3. Statistical control by partialling. Relationship between squared correlations (zero order, partial, semi partial, multiple). Readings: Course Notes; Pedhazur (Ch. 5; Ch. 7: pp. 160 170, 174 188).
4. MRA for the purposes of prediction. Subset regression methods –

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<p>analyses of data from experimental and non experimental designs.</p> <p>10. Demonstrate an understanding of multivariate analysis of variance and the application of MANOVA to the analysis of multivariate data, and in particular its application to the analysis of repeated measures data.</p> <p>11. Understand the difference between appropriate and inappropriate analysis strategies and methods for the analysis of multivariate data, including data from within subjects experiments.</p>
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9. Graduate Attributes		
School of Psychology Graduate Attributes*	Level of Focus 0 = No focus 1 = Minimal 2 = Minor 3 = Major	Activities/Assessment
1. Core knowledge and understanding	3	Participation in lectures & tutorials and class work – this requires students to form advanced understanding of data analysis concepts and practice. Assessed in exam and assignment.
2 Research methods in psychology	3	Participation in lectures & tutorials and class work will equip

- Late assignments will **NOT**

