



Department of Psychology

Psychology 615 (L01) – Advanced Research Design & Analysis I

Fall 2007

Instructor:	Michael Pyryt	Lecture Location:	ST 129
Phone:	220-7799	Lecture Days/Time:	W 9:00 – 11:50
Email:	mpyryt@ucalgary.ca	Lab Location:	SS 018
Office:	Ed.T 602A	Lab Days/Time:	F 9:00 – 11:50
Office Hours:	TBA	Office: 141E	
	Jenn Nicol	Email:	
	220-6348	jenicol@ucalgary.ca	

Course Description and Goals

Applications of the general linear model to research design and analysis. Topics include analysis of variance, regression and analysis of covariance.

Required Text

Maxwell, S.E. & Delaney, H.D. (2004). *Designing experiments and analyzing data: A model comparison perspective* (2nd Ed.). Mahwah, NJ: Erlbaum.

Evaluation

There will be one mid-term and one final exam, specific dates to be decided after consulting with the class. They will each be a combination of short answer, essay, and computational questions. Each will count 33% of your final mark. The remainder of your final mark will come from the lab component.

Grading Scale

A+	96-100%	B+	80-84%	C+	67-71%	D+	54-58%
A	90-95%	B	76-79%	C	63-66%	D	50-53%
A-	85-89%	B-	72-75%	C-	59-62%	F	0-49%

As stated in the University Calendar, it is at the instructor's discretion to round off either upward or downward to determine a final grade when the average of term work and final examinations is between two letter grades.

To determine final letter grades, final percentage grades will be rounded up or down to the nearest whole percentage (i.e., 89.5% will be rounded up to 90%; 89.4% will be rounded down to 89%, etc.).

Course Schedule (See separate Lab schedule for details)

Date	Topic	Chapters
Sept. 4	Labour Day – University closed	
Sept. 11	Fall Session lectures begin	
Sept. 12	Logic of Experimental Design	1
Sept. 14	Lab 1 – SPSS Intro	
Sept. 19	Logic of Experimental Design	2
Sept. 21	Last day for Fall registration and change of registration for Fall Session or full courses. No fee withdrawals after this date. – Lab 2 Data Coding and Descriptive Statistics	
Sept. 26	One-Way Between-Subjects Designs	3
Sept. 28	Lab 3 – Plotting Data	
Oct. 3	One-Way BS Designs	3
Oct. 5	Lab 4 – One-Way ANOVA	
Oct. 8	Thanksgiving Day – no classes	
Oct. 10	Individual Means Comparisons	4
Oct. 12	Lab 5 Orthogonality and Multiple Comparisons	
Oct. 17	Multiple Comparisons/Trend Analysis	5, 6
Oct. 19	Lab 6 – Trend Analysis	
Oct. 24	Two-Way and Higher-Order Between-Subjects Designs	7, 8
Oct. 27	Lab 7 – 2 X 2 Factorial Designs and Simple Effects	
Oct. 31	Test 1 – Only Up To One-Way Designs	1-6
Nov. 3	Lab 8 – Higher Order BS Designs (No Assignment)	
Nov. 7	ANCOVA	9
Nov. 9	Lab 9 – ANCOVA & ANCOHET	
Nov. 11-13	Reading Days – No Classes	
Nov. 14	One-Way Within-Subjects Designs	11
Nov. 16	Lab 10 – ONE-WAY WS ANOVA	
Nov. 21	Higher-Order WS Designs	12
Nov. 23	Lab 11 – Higher-Order WS Designs	
Nov. 28	MANOVA	13, 14
Nov. 30	Lab 12 - MANOVA	
Dec. 5	Review	
Dec. 7	Last day of lectures for Fall Session. Last day to withdraw from Fall Session half courses. Lab 13 - Review	
Dec. 10-19	Fall Session Final Examinations TBA	

Reappraisal of Grades

A student who feels that a piece of graded term work (term paper, essay, test, etc.) has been unfairly graded, may have the work re-graded as follows. The student shall discuss the work with the instructor within fifteen days of being notified about the mark or of the item's return to the class. If not satisfied, the student shall immediately take the matter to the Head of the department offering the course, who will arrange for a reassessment of the work within the next fifteen days. The reappraisal of term work may cause the grade to be raised, lowered, or to remain the same.

If the student is not satisfied with the decision and wishes to appeal, the student shall address a letter of appeal to the Dean of the faculty offering the course within fifteen days of the unfavourable decision. In the letter, the student must clearly and fully state the decision being appealed, the grounds for appeal, and the remedies being sought, along with any special circumstances that warrant an appeal of the reappraisal. The student should include as much written documentation as possible.

Plagiarism and Other Academic Misconduct

Intellectual honesty is the cornerstone of the development and acquisition of knowledge and requires that the contribution of others be acknowledged. Consequently, plagiarism or cheating on any assignment is regarded as an extremely serious academic offense. Plagiarism involves submitting or presenting work in a course as if it were the student's own work done expressly for that particular course when, in fact, it is not. Students should examine sections of the University Calendar that present a Statement of Intellectual honesty and definitions and penalties associated with Plagiarism/Cheating/Other Academic Misconduct.

Academic Accommodation

It is the student's responsibility to request academic accommodations. If you are a student with a documented disability who may require academic accommodation and **have not** registered with the Disability Resource Centre, please contact their office at 220-8237. Students who have not registered with the Disability Resource Centre are not eligible for formal academic accommodation. You are also required to discuss your needs with your instructor no later than fourteen (14) days after the start of this course.

Absence From A Test

Make-up exams are NOT an option without an official University medical excuse (see the University Calendar). You must contact the instructor before the scheduled examination or you will have forfeited any right to make up the exam. At the instructor's discretion, a make-up exam may differ significantly (in form and/or content) from a regularly scheduled exam. Except in extenuating circumstances (documented by an official University medical excuse), a makeup exam is written within two (2) weeks of the missed exam.

A completed Physician/Counselor Statement will be required to confirm absence from a test for health reasons. The student will be required to pay any cost associated with the Physician Counselor Statement.

Important Dates

The last day to drop this course and **still receive a fee refund** is September 21, 2007. The last day to withdraw from this course is December 7, 2007.