

PS601 COURSE OUTLINE

Instructor: Robert Gebotys

Office: N2075B, ext 3345

Office Hours: Mon 8:30-10:30

Evaluation: 25% Labs/Quizzes 25% midterm
50% Final Exam

Course Notes: Free on the web <http://web.wlu.ca/bgebotys/index.html>

Approximate Lecture Guide

Week 1 - Week 2	Review SPSS - web- sampling distribution, inference, hypothesis testing, confidence intervals, , introduction to the linear model, polynomials, model comparisons using the anova technique, linear models for anova
Week 3	One way anova and contrasts, orthogonal polynomials, spss syntax and windows methods of analysis
Week 4	Two way anova and the direct product method of design analysis, interaction the concept
Week 5	Models with interactions - concept of interaction as differences of differences. K-way factorial
Week 6	Multiple comparison methods of post hoc comparison-missing data techniques
Week 7	Analysis of covariance methods of controlling error-models with contrasts

Week 8	Randomized block methods of controlling error , randomized block factorial , latin squares and other methods based on blocking-confounding
Week 9	Fixed effects, random effects and nested models with ems calculations
Week10- 11	Repeated measures and mixed model analysis-between within subject analysis with univariate and multivariate approaches-reliability validity analysis with spss if time permits-Power analysis using SPSS sample power software
Week 12	Review.

IMPORTANT INFORMATION FOR STUDENTS

New Course Drop Dates 2012/2013:

Please refer to the Undergraduate Academic Calendar - Academic Dates 2012-2013 – For details of course add/drop dates, etc.

Examination Deferrals:

The Academic Date section of the Calendar (Web Site Version) clearly states the examination date period for each semester. **Students must note that they are required to reserve this time in their personal calendars for the examinations. The examination period for this school year is: Fall Term: 6 –19 December; Winter Term: 11 – 30 April.** Students who are considering registering to write MCAT, LSAT or GMAT or a similar examination, should select a time for those examinations that occurs outside the University examination period. For additional information that describes the special circumstances for examination deferment, consult the University calendar.

Student Awareness of the Accessible Learning Office:

Students with disabilities or special needs, are advised to contact Laurier’s Accessible Learning Office for information regarding its services and resources. Students are encouraged to review the Calendar for information regarding all services available on campus.

Academic and Research Misconduct:

Academic misconduct is an act by a student, or by students working on a team project, which may result in a false evaluation of the student(s), or which represents a deliberate attempt to unfairly gain an academic advantage, where the student either knew or ought reasonably to have known that it was misconduct. Please refer to the University Calendar Web Site for further clarification of academic and research misconduct.

Plagiarism Detection Software:

Wilfrid Laurier University uses software that can check for plagiarism. Students may be required to submit their written work in electronic form and have it checked for plagiarism.

Learning Services:

Please go to the Learning Services webpage for detailed information at www.wlu.ca/learningservices. The Learning Services office is located in the Dr. Alvin Woods Building, south entrance off the parking lot. They are on the main floor, in room 1-102.

Laurier Email Account:

Students are expected to regularly check their Laurier email account for important notices from the university community. Students are also expected to send emails to official members of the university community from their Laurier email account in order to ensure delivery.