

PSYC 300B — Statistical Methods in Psychology II
Department of Psychology
Vancouver Island University

Course Website: www.drjnicol.weebly.com

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Office hours: Mondays and Wednesdays 10:00 - 11:30 AM (or by appointment via Zoom)

Course Description

This course exposes students to advanced statistical techniques used in psychological science. Instruction takes place in both the classroom and in the computer lab (i.e., using SPSS).

Recommended Textbooks

Field, A. (2018). *Discovering Statistics Using IBM SPSS Statistics (5th ed.)*. Thousand Oaks, California: Sage

Howell, D. (2017). *Fundamental Statistics for the Behavioural Sciences (9th ed.)*. Boston, MA: Cengage

Course Evaluation

Lab assignment: 10%

Test 1 (20%): February 14

Lab 1 (10%): February 15/16

Test 2 (20%): March 21

Lab 2 (10%): March 15/16

Lab 3 (10%): April 12/13

Test 3 (20%): Final exam period

Tests and labs are non-cumulative. Each test will be written during class time and will comprise questions that will be done by hand and will require a calculator. Multiple-choice questions may also be on each test. Formulas (as deemed necessary) and statistical tables will be provided.

Labs are also non-cumulative. Each lab will be written during lab time and will comprise multiple-choice questions based on your analysis of data using SPSS.

Missed Tests and Labs

It is your responsibility to write the tests and labs on the day and time they are scheduled. If you cannot do so, you must contact me prior to the time of the test or lab to inform me that you will not be able to write the test or lab at the scheduled time and date so that we discuss an alternative.

Academic Dishonesty

It is your responsibility to understand the Student Academic Code of Conduct (Policy 96.01). Please visit: <http://www.viu/policies/policies-index.asp>

Lecture Schedule

Date	Topic	Chapter
Jan 10—17	One-Way Between-Groups ANOVA	H: 16
Jan 24—Feb 9	One-Way Repeated-Measures ANOVA	H: 18
Feb 14	Test 1	
Feb 21	Study Week — No Lecture	
Feb 28	Factorial ANOVA	H: 17
Mar 7—14	Non-Parametric Tests	H: 20
Mar 21	Test 2	
Mar 28—Apr 4	Regression	H: 10, 11
Apr 11	Chi-square	H: 19
Apr Exam Period	Test 3	

Lab Schedule

Date	Topic	Chapter
Jan 11—18	One-Way Between-Groups ANOVA	F: 12
Jan 25—Feb 9	One-Way Repeated-Measures ANOVA	F: 15
Feb 15/16	Lab 1	
Mar 22/23	Study Week — No LAB	
Mar 1/2	Factorial ANOVA	F: 14
Mar 8/9	Non-Parametric Tests	F: 7
Mar 15/16	Lab 2	
Mar 22—30	Regression	F: 9
Apr 5/6	Chi-square	F: 19
Apr 12/13	Lab 3	