

PSYC 301: Advanced Statistical Inference
Fall 2015

Instructor
Name:Amanda C. Maracle
Email:

403
Office Hours:Tues. 11:00±12:00

Lecture Times
Mondays 2:30pm ±4:00pm
Thursdays 4:00pm ±5:30pm

Head Teaching Assistant
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Office:
Office Hours:

Lecture Location
Kingston Hall R201

Course Objectives

The objectives for PSYC 301 are to provide you with an understanding of statistical concepts and practise in the use of statistics, analysis and reporting methods. This course aims to provide you with 1) a conceptual understanding of statistical tests, 2) the ability to make informed decisions about the appropriate use of statistical tests, 3) practical skills in analysis, and communication of statistical information and 4) the ability critically evaluate statistical claims in scientific literature and the media.

Course Materials

Copyright. The course material including lecture notes, lab activities, etc., is copyrighted and is for the sole use of students registered in PSYC 301. This material shall not be distributed or disseminated to anyone other than students registered in PSYC 301. Failure to abide by these conditions is a breach of copyright and may also constitute a breach of academic integrity under the Univ

<http://library.queensu.ca> or on Moodle.

¹ Digital Copies can be purchased from the Campus Computer Store in Dupuis Hall. Only a student licence can be purchased from www.onthehub.com. V H 6 W R U H I R O O R Z L Q J Y H U L I L F D W L R Q R I H Q university.

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Web Content

Additional information for this course will be available on the web at <https://moodle.queensu.ca/login/index.php>. The web content will consist of lecture notes, lab materials, electronic message boards for course questions, a list of supplemental course readings, auxiliary study materials, and links to web pages with further information on selected topics. The Moodle message board is intended only as a forum for posting questions and discussing topics related to PSYC 301 course material. Messages pertaining to inappropriate topics or subjects unrelated to PSYC 301 content will be deleted, and if those messages are deemed harassing, abusive, or insulting

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Lab Section Teaching Assistants

Section	Day	Time
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You will be responsible for completing lab assignments over the course of the term, each covering a major component of the course. Each lab assignment will contain two sections; the first section will require you to demonstrate mastery of the practical aspects of statistical analyses (i.e. completing analyses and reporting the results), while the second will require you to demonstrate your critical thinking skills and conceptual understanding of statistical analyses covered.

Exams

There are two exams scheduled for this course. The midterm exam is scheduled during class time on Monday, October 26, 2015 and is worth 20% of your final grade. The final exam will be scheduled during the fall final exam period, and is worth 30% of your final grade. Students are expected to write both exams as scheduled, and you must write both the exams to pass this course (i.e., if you do not write an exam, you will receive a fail mark for the class regardless of your performance on the other components of the course). If you are unable to write either the midterm or final exam during the scheduled time, appropriate documentation of your reasons for not writing the exam must be submitted to and approved by the instructor PRIOR to the exam (specifically, by 5:00pm the day before the scheduled exam). Please read the VHFWRQR EHZR ODEHOG 33V\FKRORJ\ 'HSDUWPHQWDO 3R procedure for exam deferral.

Diagnostic Testing

The department of psychology is participating in a university wide initiative to evaluate student critical thinking skills as they progress through their chosen program. To that end, this year we will be participating in the project. You will complete two diagnostic tests; one at the beginning and one at the end of the term. The goal of these tests is twofold; 1) test your understanding of statistical concepts and 2) test your critical thinking skills as you progress through PSYC 301. The first test will not be graded but will be worth 2% of your final grade PHDQLQJ \RX JHW RI \RXU ILQDO JUDGH IRU FRPSOHWLQ graded it will help me gauge your understanding of statistics as you start the course. The second test will be graded and is worth 3% of your final grade. This test will evaluate your critical thinking ability, in the context of the topics covered in the course.

Evaluation

You are responsible for all lecture and laboratory material and all corresponding material in the texts and on Moodle. You are expected to write all exams as scheduled and submit projects and lab work on the indicated due date. Exceptions will be made only under relevant circumstances, and when appropriate written documentation is provided. Penalties will be applied to late projects and proposals.

Remarking If you believe that an error was made in grading one of your exams or lab assignments, you must complete the remarking form available for download from Moodle. All remarking requests should be made to the head of the form, you must specify there are specific items in dispute, or if you are requesting that the whole assignment be remarked. Please note the nature of the error and, if necessary, supporting documentation to defend your position. Please note that the remarked grade will stand as the final mark even if it is lower.

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Exam Absence Students who cannot write the first exam during the December exam

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declare your need for accommodation by this deadline means that your absence will not be excused and/or you will not be accommodated with an alternative due date.

Travel During Exams. According to university regulations, students are expected to be available to write scheduled exams at any time during the official December and April examination periods as well as during any scheduled class times. ~~Students~~ ~~are~~ ~~not~~ ~~to~~ ~~write~~ ~~a~~ ~~make~~ ~~up~~ exam because of conflicting travel plans (e.g., flight bookings) or requests to miss an in class exam due to other plans will NOT be considered except under extraordinary circumstances. Students are advised to wait until the final exam schedules are posted before making any travel arrangements.

PSYC 301 Lecture Schedule: Fall 2015

Week	Date	Topics	Reading	Notes
1	Sept. 14			

PSYC 301 Lab Schedule: Fall 2015