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Fall 2015

PSYC 2310

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University of New Orleans

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COURSE SYLLABUS
GENERAL STATISTICS
PSYC 2310-002 — FALL 2015

COURSE NUMBER:	PSYC 2310-002	**TITLE:**	General Statistics
MEETING TIME:	TTh 11:00-12:15 pm	**LOCATION:**	GP 2025
INSTRUCTOR:	Dr. Gerald J. LaHoste	**OFFICE:**	GP 2039
EMAIL:	*glahoste@uno.edu*	**TEL.:**	280-6291
OFFICE HOURS:	TTh: 9:00 – 11:00 a.m.	___*or by appointment or walk-in*___	
PREREQUISITES:	PSYC 1000 or 2200 **+ MATH 1115**		

TEXTBOOK: *Statistical Reasoning in the Behavioral Sciences* (6th ed.)
King, B.M., Rosopa, P.J. & Minium, E.M.
John Wiley & Sons, Inc., 2011.
ISBN: 978-0-470-64382-2

COURSE DESCRIPTION (3 CREDIT HOURS):
   General Statistics is an introduction to the description and analysis of data with specific reference to the kinds of data collected in the behavioral sciences. Topics to be covered are: Frequency distributions, measures of central tendency and dispersion, correlation, discrete and continuous probability functions, inferential statistics, tests of significance including t-tests, and introduction to analysis of variance. Three hours of lecture and one hour of laboratory.

STUDENT LEARNING OUTCOMES:
By the end of the semester, students will know how to:
- describe and analyze the kinds of data collected in the behavioral sciences;
- determine averages and variability within a set of data;
- calculate the degree and direction of correlation between two variables;
- use inferential statistics to test hypotheses about data sets;
- make probabilistic statements about differences between means.

COURSE REQUIREMENTS:
- Class attendance and participation
- Competition of 3 semester exams and a final exam
- Analysis of a data set using the computer program SPSS
- Collection of simple data

Attendance will be recorded at every class meeting and provided to the Registrar as required.

Students are responsible for all material presented, for announcements made during class periods, and information given via E-mail or Moodle.

GRADES:
Final grades are based on:
- Performance on four multiple choice exams:
  3 during class scheduled time and 1 Final Exam
  The Final Exam is *not cumulative* and can be thought of as simply a fourth exam.
  Extra Credit points will be given for
- Performance on computer statistics project (5 pts.)

GRADING SCALE:
The scale for assigning letter grades is given below. Final grades are based not on an average of letter grades from each exam, but on total points scored on all exams and the extra credit assignment. Note that the scale is more liberal than the standard scale.

Grade	Score	
	Min.	Max.
A	85	100
B	70	84
C	55	69
D	40	54
F	< 40	

EXAMS:
Exams are multiple choice, ~25 questions long. Exams are based **heavily** on lectures. Dates of exams are given below and are fixed; **they cannot be changed**, as per university regulations.

MISSED CLASSES:
The penalties for missing a class are: the lack of information required for exam performance since the majority of the questions are based on lecture material; missing the opportunity to participate in class.

CLASS SCHEDULE

A weekly schedule of topics to be discussed and corresponding readings is given below. The Instructor reserves the right to make changes in the schedule of topics. *Exam dates cannot be changed.*

MONTH	DATE	CHAPTER	TOPICS
AUG	20		Introduction to Statistics
	25		Fundamental Concepts in Statistics
	27		Frequency Distributions
	1-3		Central Tendency
SEP	8 – 10		Variability
	15		**EXAM I**
	17		The Normal Distribution
	22 – 24		Standard Scores
	29		Correlation
OCT	1		Correlation
	6 – 8		Probability
	13		**EXAM II**
	15		*Mid-semester break*
	20 - 22		Random Sampling; Sampling Distributions
	27 – 29		Principles of Hypothesis Testing
NOV	3 – 5		Testing Hypotheses about two Means
	10		**EXAM III**
	12 - 19		Analysis of Variance
	24		Analysis of Variance/Computer Analysis
	26		*Thanksgiving Holiday*
DEC	1 – 3		Tests Subsequent to ANOVA (*post hoc* tests)
DEC	**8**		**FINAL EXAM 10:00 - noon**

EXAMS:

I September 15, Tuesday

II October 13, Tuesday

III November 9, Tuesday

Final December 8, 10-noon, Wednesday

MISSED EXAMS:

Except for valid excuses, missing an exam results in a score of 0 for that exam. Valid excuses will be considered on an individual basis; if approved, the student will be allowed to take a make-up exam at a time and date determined by the instructor. Examples of valid excuses are: illness; accidents requiring medical treatment; child delivery; military service; family emergencies; death of an immediate family member. In the case of a student's own death, no make-up exam will be given.

Student athletes and military personnel must provide the instructor with a list of classes and exams that will be missed as soon as this information is made known to the student.

ACADEMIC DISHONESTY

Students are expected to conduct themselves according to the principles of academic integrity as defined in the statement on Academic Dishonesty in the UNO Student Code of Conduct. Any student or group found to have committed an act of academic dishonesty shall have their case turned over to the Office of Student Accountability and Advocacy for disciplinary action which may result in penalties as severe as indefinite suspension from the University. Academic dishonesty includes, but is not limited to: cheating, plagiarism, fabrication, or misrepresentation, and being an accessory to an act of academic dishonesty.

The Student Code of Conduct is contained within the **UNO Policy Manual** which is available online at: *http://www.uno.edu/currents.htm*

STUDENTS WITH DISABILITIES

It is the University's policy to provide, on a flexible and individualized basis, reasonable accommodations to students who have disabilities that may affect their ability to participate in course activities or to meet course requirements. Students who seek accommodations for disabilities must contact the Office of Disability Services prior to discussing their individual needs for accommodation with their instructors. The Administrative Office for Disability Services is located in the University Center (UC) 248. The Accommodative Testing and Adaptive Technology Center is located in the Sciences Building, room 1046.

A disability may be physical, cognitive, attentive, or emotional. It is *required* of the university to make reasonable accommodations to students with disabilities under the *Americans with Disabilities Act* (1990). Students are encouraged to take advantage of this right.