Psychology 2030
Methods and Statistics

Instructor

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Course Description

Prerequisite: Psychology 1000

This course serves as an introduction to scientific methods and the application of statistics to the scientific study of psychology. Topics will include descriptive and inferential statistics techniques, the scientific method and experimental design, and interpreting scientific data both in the original scientific literature, and in everyday life.

Textbook

Gravetter, F. J., & Wallnau, L. B. (2010). *Essentials of statistics for the behavioral sciences*. Thomson Wadsworth: Belmont, CA.

Evaluation

The course evaluation will consist of three exams and one assignment. Two of the exams will be take-home exams. The final exam will be written on Thursday, June 24 at 1300-1600 in TH277 and will be open-book. Exams will cover both mathematical and conceptual material. Exams are not cumulative, but note that the earlier lectures form an important basis for later material. The writing assignment will involve the critical analysis of scientific research as reported in popular media. More details about the assignment will be provided later in the course. At the end of the course, your grade will be calculated using the following four schemes, and your final grade will be the highest of the four. Up to 5% bonus marks can be earned by participating in psychology experiments. You can sign up for these experiments at http://psychleth.sona-systems.com.

	Scheme 1	Scheme 2	Scheme 3	Scheme 4
Exam 1	30%	20%	10%	25%
Exam 2	30%	30%	20%	25%
Exam 3	30%	40%	45%	25%
Assignment	10%	10%	25%	25%

Grading

A+	90—100	B	74—76	C-	61—63
A	85—89	B-	70—73	D+	55—60
A-	80—84	C+	67—69	D-	50—54
B+	77—79	C	64—66	F (fail)	<49