

**Department of Psychology
Northeastern University**

**PSY U320 Statistics in Psychological Research
Fall 2007**

Time and Place

Sequence 4 – Monday, Wednesday, Thursday, 1:35 – 2:40 PM
104 West Village G

Instructor

Dr. Joanne L. Miller

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office hours: Wednesdays, 3:00 - 4:30 PM, and by appointment

Teaching Assistants

Amanda Carey

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office hours:

Tuesdays, Noon – 1:00 PM

Wednesdays, Noon – 1:00 PM

Nadya Vasilyeva

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office hours:

Mondays, 4:00 – 5:00 PM

Thursdays, 3:00 – 4:00 PM

Course Objective: Learn basic concepts and methods of descriptive and inferential statistics, and learn how to apply these to solve statistical problems.

Blackboard: Homework assignments and other relevant material will be posted on Blackboard. Lecture notes will not be posted; students are strongly encouraged to attend all lectures.

Textbook: Witte, R.S., and Witte, J.S. Statistics. 8th Edition. John Wiley & Sons, 2007.

Course Grades: The final course grade will be based on the following:

Homework – based on top 3 of 4 grades	15%
Quizzes – based on 4 quizzes	55 %
Cumulative Final Exam	30 %

Course Information/Policies

- Homework is due in class, at the beginning of the class session. No late homework will be accepted; missed or late homework will be given a score of zero. Be sure to bring an extra copy of your completed homework assignment with you to class, for your use during the class session. You may discuss the homework with your classmates, but the document you hand in should be your own work.
- No make-up quizzes will be given. A missed quiz will be given a score of zero. In an emergency, with a valid excuse, special arrangements will be made to accommodate the missing quiz grade. Valid excuses include illness with a doctor's note or a documented family emergency.
- A make-up final will only be given in an emergency, with a valid excuse. Valid excuses include illness with a doctor's note or a documented family emergency.
- This course strictly follows the university's policy on Incompletes.
- This course strictly follows the university's policy on academic honesty and integrity.

Course Outline

<p>Section 1: September 5 – September 19</p>	<p>introduction, frequency distributions, averages, variability</p> <p>Homework 1 Due: September 17 Quiz 1: September 19</p>	<p>Chapters 1, 2, 3, 4</p>
<p>Section 2: September 20 – October 10</p>	<p>normal distribution, z scores</p> <p>correlation, regression</p> <p>Homework 2 Due: October 4 Quiz 2: October 10</p>	<p>Chapter 5</p> <p>Chapter 6, 7</p>
<p>Section 3: October 11 – November 1</p>	<p>population and samples, probability, sampling distribution, z test</p> <p>t tests (one sample, two independent samples, two related samples)</p> <p>Homework 3 Due: October 31 Quiz 3: November 1</p>	<p>Chapters 8, 9, 10</p> <p>Chapters 13, 14, 15</p>
<p>Section 4: November 5 – November 29</p>	<p>analysis of variance, multiple comparisons</p> <p>chi-square</p> <p>Homework 4 Due: November 28 Quiz 4: November 29</p>	<p>Chapter 16</p> <p>Chapter 19</p>
<p>December 3 - 5</p>	<p>Final Remarks/ Review</p>	
<p>December 7 – 14</p>	<p>Final Exam Week</p>	

No Class

October 8	Columbus Day
November 12	Veteran's Day
November 21, 22	Thanksgiving Break
December 6	Reading Day