

## STA 6126 Statistical Methods in Social Research I Fall 2010

*Meets on MWF at 1:55 – 2:50 in FLO 100*

### **Instructor:**

Dr. Yasar Yesilcay

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**Office Hours:** Tuesday and Thursday 10:40 – 12:35

### **Teaching Assistant:**

**Anqi Sun** ([sunanqi@ufl.edu](mailto:sunanqi@ufl.edu)) in FLO 209 Phone: 273-2986 209

**Office Hours:** Mondays and Wednesdays 3:00 – 5:00

**Course Objective:** Introduction to statistical methods used to analyze social science data.

**Textbook:** Agresti & Finlay *Statistical Methods for the Social Sciences 4th Ed.* Prentice-Hall

**Other Materials:** A calculator for calculating sample mean, sample standard deviation and correlation coefficient. Datasets, assignments, etc. will be available on class website.

### **Exams & Grading:**

**Exams:** There will be 3 **multiple-choice** tests on the following dates:

- Test – 1 on **Monday, September 27, 2010**
- Test – 2 on **Monday, October 25, 2010** and
- Test – 3 on **Thursday, December 9, 2010.**
- All tests will be in class and 50 minutes long.
- There will be no final examination.

**Makeup Exams:** Any exams that will be missed must be confirmed and documented as soon as possible, **before** the time of the exam. Makeup exams will be decided on each case and may not be given.

**Projects:** Two projects will be announced as we make more progress. No late project will be accepted. No makeup will be given for projects.

**Grading:** Grades will be based on the best of two exams (40% each) [provided that the student takes all three exams] and two projects (10% each).

A:	90-100%
B+:	88-89%,
B:	80-88%,
C+:	78-79,
C:	70-77%,
D+	Not given as department policy.
D:	60-69%,
E:	59 and lower.

No minus grades (like B- or C-) will be given. To see the effect of the + and – grades on your GPA look at the following link: <http://www.registrar.ufl.edu/catalog/policies/regulationgrades.html>.

### **Computing:**

You will need a computer for homework assignments. Examples will make use of SPSS and/or Minitab, but you may use any program you choose for solving problems and projects. Datasets will be posted on web in ASCII format and can be easily imported into any program.

### **University Policies:**

**Academic Dishonesty:** All members of the University Community share the responsibility to challenge and make known acts of apparent academic dishonesty. Acts of academic dishonesty will not be tolerated and will be referred to the Student Honor Council.

**Academic Accommodations:** If you have a documented disability and wish to discuss academic accommodations with me, please contact me as soon as possible.

### **Tentative schedule:**

Weeks	Dates	Subjects	Sections
1	8/23 – 8/27	Descriptive and inferential statistics	1.1 – 1.4
2	8/30 – 9/3	Sampling and measurement	2.1 – 2.5
3	9/6 – 9/10	Graphical, tabular and numerical summaries	3.1 – 3.5
4	9/13 – 9/17	Probability Distributions	4.1 – 4.3
5	9/20 – 9/24	Distribution of sample Statistics	4.4 – 4.6
6	Monday September 27	Test - 1	Chapters 1 to 4
7	10/4 – 10/8	Point and interval estimation I	5.1 – 5.4
8	10/11 – 10/15	Point and interval estimation II	5.1 – 5.4
9	10/18 – 10/22	Significance Tests I	6.1 – 6.5
10	10/25 – 10/29	Significance Tests II	7.1 – 7.6
11	Monday October 25	Test - 2	Chapters 5, 6 and 7
12	11/8 – 11/12	Association between categorical variables	8.1 – 8.4
13	11/15 – 11/19	Simple linear regression	9.1 – 9.6
14	11/22 – 11/26	Multiple linear regression I	10.1 – 10.4
15	11/29 – 12/3	Multiple linear regression II	11.1 – 11.6
16	Thursday December 9	Test – 3	

**Note: There will be no classes on the following days:**

*Monday, September 6, 2010 Labor Day*

*Thursday, November 11, 2010 Veterans Day*

*Thursday, Friday, November 25 – 26, 2010 Thanksgiving*