

## STA 6126 Statistical Methods in Social Research I Fall 2012

**Instructor:** Dr. Yasar Yesilcay

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**Office Hours:** Tuesday 9:30 – 11:30, Thursday 10:30 – 11:30 and by appointment.

### **Teaching Assistant:**

- **Pei – Li Wang** ([peilicat@stat.ufl.edu](mailto:peilicat@stat.ufl.edu)) Room FLO 209, Phone 273 – 2986  
**Office Hours:** TBA and by appointment
- **Mir Emad Soleymanian** ([emadsoleymanian@stat.ufl.edu](mailto:emadsoleymanian@stat.ufl.edu)) Room FLO 218, Phone 273 – 2988  
**Office Hours:** TBA and by appointment.

**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, in class**, on the following dates:

- Test – 1 on Friday, 10/5/2012
- Test – 2 on Friday 11/2/2012
- Test – 3 on Wednesday 12/5/2012
- 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 two of the three exams (45% each) [provided that the student takes all three exams] and two projects (5% each). Total points will be **rounded up**.

A:	90 – 100 %	
B+:	85 – 89 %,	B: 80 – 84 %,
C+:	75 – 79 %	C: 65 – 74 %,
D:	60 – 64 %,	E: 59 and lower.
D+	Not given as department policy.	

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 and access to statistical software 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	8/20 – 8/24	Descriptive and inferential statistics	1.1 – 1.4
2	8/27 – 8/31	Sampling and measurement	2.1 – 2.5
3	9/3	<i>Labor Day (No classes)</i>	
3	9/5 – 9/7	Summarizing Data	3.1 – 3.5
4	9/10 – 9/14	Probability Distributions	4.1 – 4.3
5	9/17 – 9/21	Distribution of sample Statistics	4.4 – 4.6
6	9/24 – 9/28	Point and interval estimation I	5.1 – 5.4
7	10/5	<b>Test - 1</b>	Chapters 1 to 4
8	10/8 – 10/12	Point and interval estimation II	5.1 – 5.4
9	10/15 – 10/19	Significance Tests	6.1 – ?
10	10/22 – 10/26	Association between categorical variables	8.1 – 8.4
11	11/2	<b>Test - 2</b>	Chapters 5, 6 & 7
12	11/5 – 11/9	Simple linear regression	9.1 – 9.6
13	11/12	<i>Veterans Day (No Classes)</i>	
13	11/14 – 11/16	Multiple linear regression I	10.1 – 10.4
14	11/21 – 11/24	<i>Thanksgiving (No classes)</i>	
15	11/26 – 11/30	Multiple linear regression II	11.1 – 11.6
16	12/3	Multiple linear regression III	11.1 – 11.6
16	12/5	<b>Test – 3</b>	Chapters 9, 10 & 11