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**PSC 200**  
**Applied Data Analysis**

Spring 2014  
1:00-1:50 MWF  
Harkness 114

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**Professor:**  
Kevin A. Clarke  
Harkness 317  
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**PURPOSE**

This course introduces students to data analysis, statistical inference, and research design relevant to political science research. Topics include variable measurement, descriptive statistics, confidence intervals, hypothesis tests, correlation, and regression analysis.

**PREREQUISITES**

Working knowledge of high school algebra is the only course prerequisite. Note that this course fulfills the Political Science department's techniques of analysis requirement.

**COURSE REQUIREMENTS**

Evaluation is based on problem sets (25% of your grade) and three midterm exams (25% of your grade each). The exams are given as scheduled and are not given early | make any travel plans accordingly. You must take all three exams to pass the course.

The lowest homework grade will be dropped when calculating the final course grade to allow for illness or other such unforeseen events. That said, you are strongly encouraged to complete ALL homework assignments. Students must deliver their homework in hardcopy to the TA. Late assignments will be penalized one half-grade (e.g., B to B-) for each day they are late. Homeworks more than seven days late will receive a grade of zero. Finally, while you are encouraged to study together and to learn the software together, all assignments are to be completed individually.

A web page for this course is to be found here:

<http://www.rochester.edu/College/PSC/clarke/200/200.html>

## **ACADEMIC INTEGRITY**

Be familiar with the University's policies on academic integrity and disciplinary action (<http://www.rochester.edu/College/CCAS/AdviserHandbook/AcadHonesty.html>). Violators of University regulations on academic integrity will be dealt with severely, which means that your grade will suffer, and I will forward your case to the Chair of the College Board on Academic Honesty.

Remember that the same technology that has made plagiarism easier to ac-

February 17: Exam 1 | no exceptions

None

February 19-26: Estimation

Agresti & Finlay, chapter 5

March 3-5: Significance Tests

April 14-16: Multivariate Relationships

Agresti & Finlay, chapter 10

April 21-24: Multiple Regression

Agresti & Finlay, chapter 11

April 28: Review

None

April 30: Exam 2 | no exceptions.

None