

**GEORGIA PERIMETER COLLEGE**  
**MATH 1431 - 530, Spring 2003**  
**TU/TH: 5:45 p.m. - 7:00 p.m.**  
**Room RA-1140**  
**INTRODUCTION TO STATISTICS**

**INSTRUCTOR:** John Weber  
Phone: (404) xxx-2056 (home)  
Email: jweber@coe.uga.edu

**OFFICE HOURS:** Tuesday and Thursdays: 5:15–5:45  
Other Hours by Appointment (call between 9:00 am and 4:00 pm)

**PREREQUISITE:** Math 1101 (Intro. to Math. Modeling) or  
Math 1113 (Precalculus) or Math 2431 (Calculus I)

**TEXT:** David Moore. The Basic Practice of Statistics, 2nd Ed. (Required).

**CATALOG DESCRIPTION:**

This course is designed for students whose programs require a course in statistics as well as for those who wish to elect such a course. Topics to be covered include descriptive statistics, basic probability, discrete and continuous distributions, sample estimation of parameters, hypothesis testing, tests on means, chi-square tests, correlation, linear regression, and non-parametric tests.

**COURSE OBJECTIVE:**

This course introduces the student to elementary statistical procedures, provides the student with basic statistical tools needed to describe data and make intelligent statistical decisions, and enables the student to interpret statistical information.

**CALCULATOR:**

The TI-83 calculator is required for the course and the only one that will be supported by the instructor. The laboratory manual accompanying the text is written specifically for the TI-83 calculator. The TI-83 is a sophisticated tool for the use in statistics classes and will assist you with tedious calculations. The built-in statistical features will allow you to concentrate on the important concepts and ideas of the course.

**COURSE OVERVIEW:**

This course is designed as an activity centered course in which students are encouraged to engage in doing statistics with appropriate technological tools. The course is structured to help students develop an understanding of the principles and practices of statistics. Lectures will be held to a minimum with the students engaged in discovery and exploration of statistical realities and relationships. The instructor will attempt to facilitate and guide student exploration and discussion to insure that students learn appropriate statistical techniques and concepts within the context of the statistical activities and

experiences. The explorations and discussions will be fully supported with technology using the TI-83 calculator. Much of the course is devoted to developing students into competent interpreters and investigators of statistical data and information. The course will require students to read and reflect on the content developed in the textbook assignments and come to class prepared to participate in a discussion of the ideas presented in the textbook.

**COURSE ASSESSMENT:**

- Reading Assignments & Homework will be assigned for each class. Only part of the homework will be collected and graded; however, you should be prepared to discuss all the questions in class. Homework will be collected one week after the section is discussed in class.
- Two Projects will be assigned independently of the normal class work. Students will be asked to submit a written report for each project. These projects will give students an opportunity to analyze or interpret statistical ideas in current media or using Internet resources.

**COURSE EVALUATION:**

Your grade in this course will be determined by the total points earned.

Type	Number	Points	Total Points
Homework	20	5	100
Projects	2	25	50
Tests	4	100	400
Final Exam	1	200	200
<b>TOTAL</b>			<b>750</b>

**Grading Scale**

Grade	Percentage	Points
A	90% – 100%	675 – 750
B	80% – 90%	600 – 675
C	70% – 80%	525 – 600
D	60% – 70%	450 – 525
F	below 60%	below 450

**ATTENDANCE POLICY:**

Students are expected to attend all classes in this course. The classes will allow students to discuss the reading and homework assignments and work in-class activities with a learning partner or with a small group of students. Short lectures will be given on each section by the instructor. It is critical that students be in class and participate. To allow for emergencies and illness, students missing more than 4 classes for any reason will be withdrawn by the instructor with a grade of "W" if it is before mid-term or "F" if it is after mid-term.

**MAKE-UP WORK:**

You are responsible for all work. No late homework assignment will be accepted. No make-up tests will be given unless prior arrangements are made. If you discover that you will be absent on the test day due to illness or other emergency, please leave a message with the Rockdale Center secretary (770) 785-6970 or on my home phone (404) xxx-2056. There will be a 5% penalty for each day the project is late.

**CHEATING POLICY:**

All student work must be that of the student submitting the work unless otherwise noted. Projects completed with partners or as small groups should be so noted with all names indicated on the papers. You may ask your classmates for assistance on homework assignments. However, all assignments must be your own work. The giving or receiving of help from notes or another person during exams or tests may result in a grade of zero for this work and/or a grade of "F" in the course, and/or referral to the campus disciplinary committee for penalty, which may include suspension for the College. See attached Academic Honesty policy.

Please note that this syllabus provides a general outline for the semester and changes or adaptations may be required.

**AMERICANS WITH DISABILITIES ACT STATEMENT**

If you are a student who is disabled, as defined under the American –with Disabilities Act, and require assistance or support services, please seek assistance through the Center for Disability Services. A CDS Counselor will coordinate those services.

**ACDEMIC HONESTY STATEMENT**

Each faculty member will use the Academic Honesty Statement developed by their discipline unit.

**EQUAL OPPORTUNITY STATEMENT**

No person shall, on the grounds of race, color, sex, religion, creed, national origin, age, or disability, be excluded from employment or participation in, denied the benefits of, or otherwise be subjected to discrimination under any program or activity conducted by Georgia Perimeter College.

**AFFIRMATTVE ACTION STATEMENT**

Georgia Perimeter College adheres to affirmative action policies designed to promote diversity and equal opportunity for all faculty and students.