

Introduction to Statistics - Math 102/ Core 143
Aaron Robertson
211 McGregory Hall
(315) 228-7227
email: arobertson@mail.colgate.edu

In this course we will analyze and summarize data to help you understand statistical statements that are made in the news, by your friends, etc. The course will require calculation and hence a calculator is required. *I will assume that you have a calculator to use both in and out of class.*

Office Hours: MWF 8.20am-9.10am. If you can't make these, email me or see me to schedule an appointment.

Math Clinic: You can also get help in the Math Clinic, located in 201F McGregory Hall, Sunday through Thursday evenings, 7pm-10pm.

The Book: We will be using the book Statistics, Fourth edition, by Freedman, Pisani, and Purves.

Supplemental Readings: There are supplemental readings for this course available online at . . .

The Course's Webpage: A vital part of this course is its webpage. All assignments and readings will be posted there. The address is: <http://math.colgate.edu/math102/aaron>. **This is NOT on Blackboard.**

The Computer: There will be several computer projects due throughout the semester. So, make sure that you have access to Excel on some machine on campus.

Assignments: The assignments are on the class webpage. Book homework and webpage worksheets will not be collected. Excel projects will be collected.

Project: There will be a final project presentation, which will be detailed in a subsequent handout.

Testing: There will be three midterms and a cumulative final. The final's location will be announced on the last day of class. The midterms will be held on the following days during class time:

Midterm 1 : Monday 2/16/09, over Units 1-3
Midterm 2 : Wednesday 3/11/09, over Units 4-5
Midterm 3 : Wednesday 4/22/09, over Units 6-7

The exams will consist of computational and theoretical questions related to the material covered. In addition, at the beginning of the class following each of the midterms, a 1-2 page essay based on one of the supplemental readings (see above) assigned will be due. This essay is worth 20% of the midterm grade. The reading on which your essay will be based will be announced before the start of each midterm. The *exact* essay questions are listed on the webpage where the reading is assigned.

Late work: *Will not be accepted* without a note from your doctor or your dean.

Grading: The grading scale is a straight scale (i.e., 90-100 are A's, 80-89 are B's, etc) broken down as follows: Assignments and pop quizzes (12.5%), Midterms (17.5% each), Final Project (15%), and Final Exam (20%). The average GPA in my sections of statistics in recent years has been about 2.9.

Assignment and Class Schedule

January

1/26/09 (Monday): Unit 1 homework should be done

1/28/09 (Wednesday): Last day for drop/add, Excel Help Session Sign-up

1/30/09 (Friday): Excel Help Session in 201E McGregory

February

2/2/09 (Monday): Unit 2 homework should be done

2/13/09 (Friday): Unit 3 homework should be done, **Excel from Unit 3 HW to be handed in**

2/16/09 (Monday): **Midterm 1**

2/18/09 (Wednesday): **Midterm Essay DUE**, Excel Help Session Sign-up

2/20/09 (Friday): Excel Help Session in 201E McGregory

March

3/2/09 (Monday): Unit 4 homework should be done, **Project proposal to be handed in**

3/6/09 (Friday): *No class* (dangerboy is playing at House of Blues in Atlantic City today)

3/9/09 (Monday): Unit 5 homework should be done, **Excel from Unit 5 HW to be handed in**

3/11/09 (Wednesday): **Midterm 2**

3/13/09 (Friday): **Midterm Essay DUE**

3/16-3/20/09: *No classes* (Spring Break)

3/25/09 (Wednesday): Post survey questions online

3/27/09 (Friday): Last day to post survey questions online

April

4/6/09 (Monday): Unit 6 homework should be done, Take online survey

4/10/09 (Friday): Last day to take online survey

4/15/09 (Wednesday): Start online survey data retrieval

4/20/08 (Monday): Unit 7 homework should be done, **Excel from Unit 7 HW to be handed in**

4/22/09 (Wednesday): **Midterm 3**

4/24/08 (Friday): **Midterm Essay DUE**, I will make a presentation to give you a guideline for what yours should look like

4/27/09 – 5/1/09 (1 week): **Presentations** (Attendance taken)