

Math 160
Intermediate Algebra
Section 8800 (4.0 Units)
Classroom 53 - 542

Office Number: Room 31-382

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Office Hours:

Monday and Wednesday: 1:30 p.m. – 2:30 p.m.

Tuesday and Thursday: 1:00 p.m. – 2:00 p.m. and 5:00 p.m. – 5:30 p.m.

Meeting Days/Dates/Times:

Mondays and Wednesdays, 2:30 p.m. – 4:20 p.m.

August 18 – December 15 (sixteen weeks + finals)

Final Exam: Wednesday, December 10, 1:45 p.m. – 3:45 p.m.

Course Prerequisite:

A “C” grade or higher or “Pass” in MATH 103 or 110 or equivalent.

Course Content:

This course provides an introduction to descriptive statistics, probability theory and inferential statistics. Topics include data collection; summary and graphical displays of data; measures of central tendency and variability; elementary probability theory; standard procedures involving the normal, binomial, student’s t, chi-square, and F distributions; confidence intervals and hypothesis testing; nonparametric statistics; linear correlation and regression. Students will learn to use a graphing calculator and/or statistical software. Applications come from various fields such as biology, business, economics, education, engineering, demography and psychology.

Student Learning Outcomes:

Upon completion of this course, our students will be able to do the following:

- a. Categorize data set and use appropriate methods to find, summarize, and visually display statistics about the data set.
- b. Interpret visual display of statistical data
- c. Take sample statistics and use appropriate procedures, methods, and tests to make inferences about the population.
- d. Categorize probability problems and use appropriate theorems and formulas to solve them.
- e. Use the appropriate technology to analyze statistical problems.
- f. Interpret, communicate, and assess the validity of statistical processes and conclusions.

Required Materials:

Text: *Essentials of Statistics*, 5th edition, Mario F. Triola

Or use an e-book available at www.mymathlab.com funk20247

Calculator: TI-84

StatCrunch: web-based statistical tool

Paper, pens, pencils, graph paper, rulers, etc.

Grading:

Grades will be earned based on a standard scale:

A+: 100 – 97, A: 96 – 94, A-: 93 – 90, B+: 89 – 87, B: 86 – 84, B-: 83 – 80,

C+: 79 – 77, C: 76 – 74, C-: 73 – 70, D+: 69 – 67, D: 66 – 64, D-: 63 – 60, F: Below 60

Assignments:

Grades will be based on the following assignments:

Homework	10%
StatCrunch Activities	10%
Exams	60%
Final Exam	20%

Class Policies: You are allowed to miss a total of five hours of class time. After that, you may be dropped from the course. I do not recommend missing any class time.

Homework should be completed regularly. Homework will be due on the test day for the sections being tested. I will not accept late homework.

There are no make up exams. If you know in advance that you will miss an exam, please call me before the exam to see if other arrangements can be made.

Respect for the teaching/learning process is expected from every person in this class.

Some examples of this are:

- * Do your assignments on time so you can contribute to the classroom experience.
- * All cell phones are turned off.
- * No talking to neighbors unless requested by the instructor.
- * Be in class on time with all necessary materials ready to go.

Academic Integrity: Cheating and plagiarism (using as one's own ideas, writings or materials of someone else without acknowledgement or permission) can result in any one of a variety of sanctions. Such penalties may range from an adjusted grade on the particular exam, paper, project, or assignment to a failing grade in the course. The instructor may also summarily suspend the student for the class meeting when the infraction occurs, as well as the following class meeting. For further clarification and information on these issues, please consult with your instructor or contact the office of the Assistant Dean of Student Affairs.

Accommodations for Students with Disabilities: Students with disabilities who may need accommodations in this class are encouraged to notify the instructor and contact Disabled Student Services & Programs (DSP&S) **early in the semester** so that reasonable accommodations may be implemented as soon as possible. Students may contact DSP&S in person in room 110 or by phone at (619) 644-7112 (voice) or (619) 644-7119 (TTY for deaf).

Supervised Tutoring Referral: Students are referred to enroll in the following supervised tutoring courses if the service indicated will assist them in achieving or reinforcing the learning objectives of this course:

IDS 198, Supervised Tutoring to receive tutoring in general computer applications in the Tech Mall;

English 198W, Supervised Tutoring for assistance in the English Writing Center (Room 70-119); and/or

IDS 198T, Supervised Tutoring to receive one-on-one tutoring in academic subjects in the Tutoring Center (Room 70-229, 644-7387).

To add any of these courses, students may obtain Add Codes at the Information/Registration Desk in the Tech Mall.

All Supervised Tutoring courses are non-credit/non-fee. However, when a student registers for a supervised tutoring course, and has no other classes, the student will be charged the usual health fee.

Developmental Math Tutoring

Tutoring for only developmental math students will begin week two of the fall semester in room 70-113, next door to the Math Study Center in the Learning Resource Center (LRC) which is in the same building as the library on the following days and times: Mon/Wed: 8-10 a.m., Mon - Thurs: 8a.m. - 7 p.m., and Fri: 8 a.m. -12 p.m.

Assignments

Each class I will assign some odd numbered problems from each section we cover in the textbook. Answers for these problems are in the back of your text and you should regularly check your work for correctness. Please read through the examples in the sections that we cover before doing your homework.

Math 160 Tentative Schedule

Week	Monday	Tuesday	Wednesday	Thursday	Friday
Week 1 8/18 – 8/22	Ch. 1 1.1 – 1.4		Ch. 2 2.1 -2.4		
Week 2 8/25 – 8/29	Ch. 3 3.1, 3.2, 3.3		Ch. 3 3.4, StatCrunch Assign		Last day to drop w/o “W”
Week 3 9/1 – 9/5	Labor Day No School		Review/ Exam One: Ch. 1 - 3		
Week 4 9/8 – 9/12	Ch. 4 4.1, 4.2, 4.3		Ch. 4 4.4, 4.5, 4.6		
Week 5 9/15 – 9/19	Ch. 5 5.1, 5.2		Ch. 5 5.3, 5.4		Last day to apply “P/NP”
Week 6 9/22 – 9/26	Ch. 6 6.1, 6.2, 6.3		Ch. 6 6.3, 6.4, 6.5		
Week 7 9/29 – 10/3	Ch. 6 6.6, 6.7		StatCrunch Assign/Test Review		
Week 8 10/6 – 10/10	Exam Two: Ch. 4 – 6		Ch. 7 7.1, 7.2, 7.3		
Week 9 10/13 – 10/17	Ch. 7 7.3, 7.4		Ch. 8 8.1, 8.2		
Week 10 10/20 – 10/24	Ch. 8 8.2, 8.3		Ch. 8 8.3, 8.4		
Week 11 10/27 – 10/31	Ch. 8 8.4, 8.5		Ch. 9 9.1, 9.2		
Week 12 11/3 – 11/7	Ch. 9 9.3, 9.4		Ch. 10 10.1, 10.2		Last day to drop
Week 13 11/10 – 11/14	Ch. 10 10.2, 10.3	Holiday Veterans Day	Review		
Week 14 11/17 – 11/21	Exam 3: Ch. 7 – 10		Ch. 11 11.1, 11.2		
Week 15 11/24 – 11/28	Ch 11 11.3, 11.4		StatCrunch Assign.	Thanksgiving No School	Thanksgiving No School
Week 16 12/1 – 12/5	Review		Review		

Monday, December 8: Review for Finals

Final Exam: Wednesday, December 10, 1:45 p.m. – 3:45 p.m.