

MATH 110: FUNCTIONS AND ALGEBRAIC METHODS

GENERAL COURSE INFORMATION

Instructor: Dr. Davis Doherty
Office: Bannan 216
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Text: *Algebra for College Students*, by Mark Dugopolski

Course Web Site: <http://classes.seattleu.edu/mathematics/math-110/doherty/>

COURSE DESCRIPTION

For some of you, Math 110 will fulfill a prerequisite for future math and science courses. For the rest of you, Math 110 will be the intellectual equivalent of weightlifting – a skill you won't use directly, but which trains your brain for other tasks. MATH 110 can be used to satisfy the Seattle University Core mathematics requirement.

HOMEWORK

Homework assignments will be posted on the course website only, and will be updated following each day's lecture. It is your responsibility to check the assignment page regularly. Assignments will typically be collected Mondays, Wednesdays, and Fridays (due dates will occasionally be altered due to holidays and tests). One of these three assignments will be given to the class grader, who will grade 5 or 6 problems and check for completeness; the other two assignments will be given full credit for being turned in on-time. Assignments may be turned in one class after the due date, but will only receive partial credit; assignments submitted any later will receive no credit (unless prior arrangements have been made).

Instructions for turned-in assignments (these make them easier to grade):

- (a) Put your name in the upper right corner of the page, together with your section time and the assignment number.
- (b) Staple your assignments. I will not have a stapler available when it's time to turn them in.
- (c) Do the problems neatly, and in order.
- (d) Show your work, otherwise you won't receive credit.

QUIZZES AND EXAMS

Every Friday you should be prepared for either a quiz or an exam. Quizzes are primarily a test that you understood the week's homework assignments – problems will be very similar to the assigned homework problems from that week. Exams will feature more difficult problems in addition to basic ones; this allows me to test the depth of your understanding.

GRADES

Course grades are determined as follows:

15%	Homework
25%	Quizzes
35%	Midterms
25%	Final Exam

There will be little or no opportunity for extra credit in this class.

ABSENCES

Except in extraordinary cases, you can only make up a missed quiz or exam if you contact me by the end of the day it was given. Please make arrangements with me if you know in advance you'll be missing a test.

SUCCESS IN CLASS

Here are some tips for success in this course:

- (1) We will move quickly. Keep up with the material. If you have trouble, get help – visit the Math Lab or my office hours, or work with other students.
- (2) Read the book, preferably *before* lecture. I won't always go into full detail, or get through every type of example.
- (3) Work on the homework as soon as it is assigned. Do problems every day.
- (4) Ask questions in class if you're confused.
- (5) If you're having trouble with book problems, re-read the relevant section and the examples. If you're still stuck, ask for help.
- (6) Save your homework assignments after they're returned, so you can refer back to them when it's time to study.

TENTATIVE COURSE SCHEDULE

Week	Textbook Sections
Week 1	1.1–1.6
Week 2	2.1–2.5
Week 3	3.1–3.5
Week 4	4.1–4.4
Midterm 1	February 1 (Review January 30)
Week 5/6	5.1–5.8
Week 7	6.1–6.7
Week 8	7.1–7.6
Midterm 2	February 29 (Review February 27)
Week 9/10	8.1–8.5
Week 10	9.1, 9.5, 11.1
Final Exam	Wednesday, March 19, 12–1:50pm (8:45am section) Thursday, March 20, 10–11:50am (12:15pm section)