

MATH 110: FUNCTIONS AND ALGEBRAIC METHODS

GENERAL COURSE INFORMATION

Instructor: Dr. Davis Doherty
Office: Bannan 216
Office Hours: MW 10:30-12, Th 1-3, or by appointment
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Text: *Algebra for College Students*, by Mark Dugopolski

Course Web Site: <http://fac-staff.seattleu.edu/dohertyd/web/Math110>

COURSE DESCRIPTION

In this course, we will study functions, and use functions to create simple models of real-world problems. We shall focus largely on practicing the skills necessary to properly manipulate algebraic expressions and equations.

My expectation from you is a good-faith effort in the class, regular attendance, and completion of the assigned work. In addition, I hope that you will ask questions – *lots* of questions. I try to create a laid-back atmosphere in my classroom, but I do need to maintain a minimum pace in the class to get through the required material. As such, I will trust you to speak up if you start to become lost.

Lastly, I'll note that MATH 110 can be used to satisfy the Seattle University Core mathematics requirement.

HOMEWORK

Homework is the most important part of this course. Assignments will be posted following *each lecture* – frequent homework assignments help keep the material fresh in your mind, and keep you from procrastinating. Each lecture will begin with a discussion of the previous assignment; come with questions prepared. All homeworks will be collected. Assignments due Monday are graded; the rest automatically receive full credit, as long as they are turned in on time.

QUIZZES

Quizzes will be given close to weekly, on Fridays (except for weeks when midterm exams are scheduled). If you have been completing and understanding the homeworks, you should be prepared for the quizzes.

EXAMS

There will be two midterm exams in addition to the final exam. Expect the exams to be difficult – I aim to test the depth of your understanding of the material. Typically notes and calculators will not be allowed on exams.

GRADES

Your final grade in this class should reflect your preparedness for further math courses.

Course grades are determined as follows:

10%	Homework
20%	Quizzes
40%	Midterms
30%	Final Exam

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

ABSENCES AND LATE HOMEWORK

Homework assignments turned in during the class meeting following the due date will receive partial credit only. If you know in advance you will be absent, please contact me to discuss turning in homework or making up a missed quiz. At the end of the quarter I drop your lowest quiz score; if you have an unarranged absence on a quiz day, this will automatically become your dropped quiz.

EXTRA HELP

At some point in the class, you will probably encounter difficulties with the material. When that happens, it's your job to seek out extra help. My office hours are one option – you are always welcome to stop by and ask questions. If you can't make my regular office hours, you can make an appointment with me for another time. The Math Lab, in ENGR 300, is an option that is especially useful for homework help.

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	January 26 (Review January 24)
Week 5/6	5.1–5.8
Week 7	6.1–6.7
Week 8	7.1–7.6
Midterm 2	February 23 (Review February 21)
Week 9/10	8.1–8.5
Week 10	9.1, 9.5, 11.1
Final Exam	Friday, March 16 10–11:50 (12:15pm section)/Thursday, March 15 2–3:50 (2:30pm section)