**Instructor:** Dan Raies  
**Office:** Fenton Hall 316  
**Email:** raies@uoregon.edu  
**Phone:** (541) 346-8409  
**Class Room:** Peterson 105  
**Class Time:** 12:00pm to 12:50am MTWF  
**Office Hours:** 1:00pm-2:00pm Tuesday, 3:00pm-4:00pm Wednesday, and by appointment

**Course Materials**

The course's textbook is *Modern Precalculus: Modeling Functions in Science, Business, and Life* by Michael Price. It is only available (for about $36) in the Duck store on campus. Students will need to make frequent reference to the course website at [http://pages.uoregon.edu/raies/](http://pages.uoregon.edu/raies/).

Also, WebWork will be used for homework and is discussed later in the syllabus. Finally, a scientific calculator (or better) will be required on all exams.

**Grades**

**Attendance (5%):** Attendance will be taken every day after the first week except on exam days. (This includes week 10 and the day before Thanksgiving.)

**WebWork (15%):** There is a WebWork assignment corresponding to each section in the book and these will be assigned as necessary throughout the term (including week 10).

**Written Homework (10%):** Homework problems from the book will be assigned as necessary throughout the term (including week 10).

**Midterms (20% each):** There will be two midterm exams on Monday, October 26th (week 5) and Monday, November 23rd (week 9). These dates are immutable; exams will not be given early or late (except under extreme circumstances) and students are required to attend.

**Final Exam (30%):** The final exam is at 10:15am on Thursday, December 10th.

Overall grades will be assigned on the standard grading scale (90/80/70/60). Adjustments will be made (only in the students’ favor) if necessary. Note that grades are not competitive. Students are encouraged to collaborate as one student’s success will not affect other students’ grades.

In accordance with undergraduate grading standards in the math department, a student who is unable to complete modeling problems cannot receive a passing grade in this course. Exam content will reflect this policy.

**WebWork**

Students can access WebWork by going to [https://webwork1.uoregon.edu/webwork2/Math111-13700/](https://webwork1.uoregon.edu/webwork2/Math111-13700/) and logging in with their university ID and password. The very first thing that you’ll need to do is complete the “WebWork Practice” assignment which will teach you how to use the software. Doing homework using any software can be frustrating so make sure that you get started early and ask for help.

**Late Work**

Late work will not be accepted except in extreme situations. These only include unavoidable circumstances which affect the day that the material is due or the exam is administered. Examples of such circumstances include (but are not limited to) illness, a car accident, or a death in the family. Vacations, work, and oversleeping (and the like) will not be considered valid excuses for missing things. Documentation of unavoidable circumstances will be required from a student who wishes to make up any work. Be aware that the Student Health Center on campus will not write notes for excused absence.
Communication

The best way to contact me is by email and by attending office hours. If you wish to meet with me but cannot come to office hours then you should set up an appointment. I check my email frequently and you should expect a response within 24 hours. On the day that homework is due I will guarantee same-day responses to emails that I receive before 6:00pm but not after that. If you are struggling then you are encouraged to ask questions. I should be your first resource. Please email me or come to office hours as soon as you can. I am usually able to communicate mathematics and answer questions through email quickly and efficiently. Please use WebWork’s “email instructor” button appropriately. If you’re asking about WebWork then I find it very helpful when you use it. If your email is not about WebWork, however, then you should still email me but without using WebWork.

Questions about homework problems (WebWork or otherwise) should be as specific and detailed as possible. If you tell me what you tried and where you got stuck then you are more likely to get a detailed and helpful response than if you just say “I can’t figure out how to do this problem.” I often get emails which just say something like “I’ve been working on this problem for hours and feel like I’m getting nowhere. Could you help me get started?” That does happen sometimes but such questions are usually a result of laziness on the student’s part. I will respond to such questions by pointing you to examples of similar problems.

You are required to check your university email address regularly. That is how I will contact you outside of class and it is your responsibility to get these messages. If, for whatever reason, you are not receiving university emails then it is your responsibility to solve that problem.

Help Session

MATH 111 has eight one-hour help sessions every week (except week 1). There will be three instructors at each of these help sessions and students from any class are encouraged to come in and ask whatever questions they want. There are no appointments necessary; these times act like office hours. The eight times are as follows:

- 3:00pm-4:00pm in Deady 307 Monday through Thursday
- 4:00pm-5:00pm in Deady 303 Monday through Thursday

Student Conduct

Academic dishonesty is a serious matter and will be treated as such. Violations of the student conduct code result in the incident being included on the students’ conduct record as well as academic sanctions such as a failing grade on any coursework related to the violation or simply a failing grade in the course. The University of Oregon requires even the smallest instances of cheating be reported. Cheating includes, but is not limited to:

- Looking at other students’ exams during a test. Even if nothing is copied, just looking is a violation.
- Sharing materials during an exam.
- Copying another student’s work and submitting it as one’s own.
- Using any materials during a testing situation which are not explicitly approved.
- Altering work after it has been returned and claiming that it was the original work.

The student conduct code describes other forms of cheating. It is your responsibility to know these things.

It is important to note that students may not use calculators on their cell phones during exams. The use of any device with an internet connection on an exam is considered cheating and will be treated as such.

Students with Special Circumstances

Students with a registered disability, fall-term athletes that will be missing class for games, or students with any other special circumstances should make those things known as soon as possible in the term so that proper arrangements can be made. Students who are registered with AEC must notify the instructor about testing arrangements before the end of the third week of the term. Failure to do so may result in a delay of the use of the appropriate accommodations.
Learning Outcomes

A successful student in MATH 111…

- has facility with the concept of a function and can use function notation.
- has knowledge of the defining characteristics of linear, quadratic, exponential, rational, power and logarithmic functions.
- can describe from a graph, formula, words, or a table if the function described is exactly linear or exponential.
- has a conceptual framework for composition of functions and can compute the composition of two functions given formulas, table, or graphs of the functions.
- has a conceptual framework for inverse functions and can find the inverse of a function (when it exists) given a formula, table, or graph of a function.
- can model an equation relating two variables in which proportionality or inverse proportionality are described.
- can find a linear, quadratic, rational, power, exponential, or logarithmic function to fit when provided (a sufficient number of) data points.
- is familiar with the definition and can identify end behavior (principally $x \to \infty$) of polynomial and rational functions.
- can adequately perform mathematical modeling: they can model the mathematical topics described among the aforementioned learning outcomes in words, then solve or simplify the relevant equations and/or expressions, and finally write a summary statement of the result.

Getting Help

The university is committed to providing an environment free of all forms of discrimination, harassment, and assault. If you or someone you know has experienced anything like this or if you have anything else you would like to discuss then please feel free to come and talk to me whenever you need.

Please be aware that all University of Oregon employees are required reporters. This means that if you tell me about a situation, I may have to report the information to my supervisor or the Office of Affirmative Action and Equal Opportunity. Although I have to report the situation, you will still have options about how your case will be handled, including whether or not you wish to pursue a formal complaint. Our goal is to make sure you are aware of the range of options available to you and have access to the resources you need.

If you wish to speak to someone confidentially, you can call (541) 346-SAFE, the university’s 24-hour hotline, to be connected to a confidential counselor to discuss your options. You can also visit the SAFE website at safe.uoregon.edu.