

(syllabus)

Math 112 | CRN 30692 | SPRING 2019 | Course ID: mock86715

(CLASS INFO)

Day/Time: MTWF/15:00-15:50
Room: NS 215
Instructor: Chris Mock

(CONTACT INFO)

Office: Maaske 305
Phone: 503-838-9710
e-mail: mockc@wou.edu
Website: www.wou.edu/~mockc

(OFFICE HOURS)

	monday	tuesday	wednesday	thursday	friday
8:00					
9:00	math 111 (fox)	math 111 (fox)	math 111 (fox)		math 111 (fox)
10:00	<i>office</i>	<i>office</i>	<i>office</i>		<i>office</i>
11:00	math 95	math 95	math 95		math 95
12:00					
13:00	math 111 (fox)	math 111 (fox)	math 111 (fox)		math 111 (fox)
14:00	<i>office</i>				
15:00	math 112	math 112	math 112		math 112
16:00					

(PREREQUISITES)

A grade of C- or better in math 111 or a satisfactory score on the WOU placement test.

(COURSE GOALS)

- Students will provide accurate explanation of information presented in mathematical forms
- Students will convert relevant information into various mathematical forms
- Students will draw reasonable and appropriately qualified conclusions from quantitative analysis of data
- Students will understand a working definition of function, understand and use trigonometric functions from the right triangle, circular, and coordinate points of view, understand and use inverse trigonometric functions, be able to represent trigonometric and inverse trigonometric

functions graphically, numerically (tables), and symbolically (formulas), and be able to readily switch between these representations, be able to verify various trigonometric identities, and be able to model and solve problems involving trigonometric functions polynomial, rational, exponential, logarithmic, and power families of functions, develop regression and modeling with these functions, and understand the use of inverse functions

(COURSE MATERIALS)

- Text: Algebra and Trigonometry, with modeling and visualization (6th Edition), by Gary Rockswold (ISBN: 9780134418025). You will also need access to the online homework, which is available through MyMathLab and requires an access code. You can attain these things two different ways:
 - i. You can purchase the book new from the bookstore, it is a bundle that includes an access code to MML
 - ii. You can go to www.coursecompass.com and purchase the access code directly. Doing so will also give you an online version of the text

>| *RELEVANT NOTE: for technical support on the MML website, please contact PEARSON at 800-667-6337 or visit their website at <https://support.pearson.com/getsupport/s/contactsupport> |<*

- A Scientific calculator with at least the capabilities of a TI-83 is required. A TI-83 or 84 is highly recommended. **No TI-89, nor any other calculator with a computer algebra system, such as the TI-Nspire, is permissible for use in this course.**

(GRADE WEIGHTS)

Homework (W):	20.0%
Homework (O):	10.0%
Quizzes:	14.0%
Exam I:	18.0%
Exam II:	18.0%
Final exam:	20.0%
Total:	100.0%

F	0.00% - 59.9% or not passed skills test	C+	77.0% - 79.9%
D-	60.0% - 62.9%	B-	80.0% - 82.9%
D	63.0% - 66.9%	B	83.0% - 86.9%
D+	67.0% - 69.9%	B+	87.0% - 89.9%
C-	70.0% - 72.9%	A-	90.0% - 92.9%
C	73.0% - 76.9%	A	93.0% +

Special Grades

Incomplete grades may be assigned at the discretion of the instructor. An Incomplete can only be granted for a student who is passing a class and has a documented emergency that prevents them from completing a very small portion of the course (e.g. the final exam). A contract between the student and instructor for completion of the remaining course work is required.

Friday on the seventh week of class is the last day for dropping the course with a 'W' grade.

(HOMEWORK)

Homework is broken into two categories:

- i. Online homework, and
- ii. Written homework

Online homework

- Online homework will be assigned every class day, and due the very next class day.
- Assignments are designed to be based on that day of lecture
- Used as a learning guide (“help me solve this” and “view example” will be enabled)
- Worth 10% of overall grade
- Online homework grades itself based on accuracy (though, you’ll have unlimited attempts at all problems)
- Late homework accepted for half-credit

Written homework

- Written homework will be assigned every Monday, and be due the following Monday.
- The written assignment will span the chapter sections I plan on covering in that week (around 2 to 4 chapters worth of content)
- Worth 20% of overall grade
- Graded on two categories:
 - Completeness: 8 points (did you do the whole assignment?)
 - Correctness: 12 points (did you do a select amount of questions correctly?)
- Late homework will be accepted but only awarded completeness points

There is a certain level of organization that I expect from all of you for each written homework assignment. To be perfectly clear, the following style is required (not simply suggested) for written solutions:

- **Your handwriting must be completely legible**
- In the upper-right corner of each homework assignment, please write
 - Your name
 - Course section time or name (3:00 pm or “math 112”)
 - Section number (ex: section 7.1)
- The title of your assignment should be the page # and problems that you will complete
- Each problem is ordered numerically, and each solution is bordered with a circle or box.

If the above is not met, you will see reduction in completeness points. Or, if it’s really unorganized, I may have you redo the assignment.

(QUIZZES)

Quizzes will occur **on Friday each non-exam week**. During a quiz, you will be allowed to use a blank piece of paper, a pencil, an eraser, and often a calculator. Questions will be displayed at the front of the room, and you will give the answer on paper. These quizzes will occur usually during the last few minutes of class and **cannot be made up**.

(EXAMS)

There will be two mid-terms throughout this course as well as a cumulative final exam. Each one will be based off of material that has been covered in lectures, homework problems, and in-class

assignments. Attendance and completion of assignments are essential to being a successful test taker. Make-up exams are not allowed unless you have spoken with me beforehand and it is an unusual circumstance. On each exam (final included), you may use a single 3 x 5 note card (front and back).

(APPROPRIATE CLASSROOM BEHAVIOR)

You are ultimately responsible for your own attendance and performance. Disruptive classroom behavior of any kind, such as talking during lecture or consistently coming to class late etc., is not appropriate. This prescribed conduct for all students is described in the University Catalog. In particular, academic dishonesty of any kind will not be tolerated, and will be reported to the university. Also, leave your cell phone off or on silent when you come to class. They are not to be used at all during class. If for some reason you absolutely need to be contacted (in some emergency situation), inform me before class and an arrangement can be made.

(DISABILITY AND VETERAN SERVICES)

If you have a documented disability which requires accommodations, please contact the Office of Disability Services (ODS) for appropriate coordination of your accommodations. You can drop by APSC 405 or contact ODS at (503) 838-8250 to schedule an appointment. In addition, please talk to me during the first few days of class; I will be more than happy to accommodate you in any way that I can.

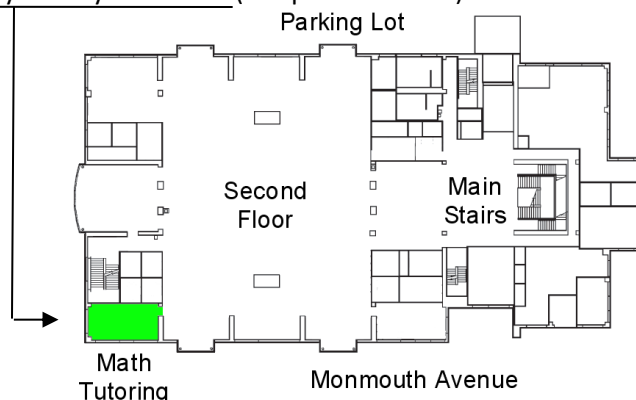
Veterans and Active Military Personnel with special circumstances are welcome and encouraged to communicate these, in advance if possible, to the instructor.

(WOLF CONNECTION SYSTEM)

If your faculty member at any point in the term is concerned about your academic progress and ability to succeed in the course, they may make a referral to Student Success and Advising through the Wolf Connection System (WCS). If a referral is created, an Academic Success Advisor from SSA will connect with you via email or telephone to discuss challenges you may be facing and your plan to overcome those obstacles and achieve success. This referral process is in place as a way to support you in this class and not a punishment. Anytime you want to discuss strategies for academic success, you may schedule an appointment with an Academic Success Advisor by calling 503-838-8428, emailing studentsuccess@wou.edu, or online by logging into the Portal, selecting WCS and selecting Get Advising.

(MATH CENTER)

The Math Center is a great place to go for additional help on concepts talked about in this course.. It is located in Hamersly Library room 228 (see picture below)



and will be available for drop in tutoring beginning week 2 and ending week 10. For additional information on the tutoring center and its hours, please visit

<http://www.wou.edu/mathcenter>

(MY WEBSITE)

This section of the syllabus serves as advertisement for my personal website! There are lots of cool things to check on my website, including (but not limited to):

- My office hours
- The schedule of your math course (lets you know exactly what we will be learning on any given day)
- Current and past homework assignments
- Tutoring center webpage
- Copy of this syllabus
- Helpful links and videos to help with the learning of difficult topics
- Any handouts which were given in class (so you can print them if you missed a day)

Please make use of this website! I work hard on maintaining it, and I would hate for it to be a waste. I would say that the most notable thing about it is that it will show you day-by-day what we covered in class on any particular day. I will be updating it every morning with the current day's worth of information.

(NOTEWORTHY DATES)

- 4/5 – last day to drop with 100% refund
- 4/9 – Add/Drop fees begin
- 4/26 – last day to drop a class with a W (withdraw) grade
- 6/10 – FINAL EXAM (8:00 am)

(TIPS FOR SUCCESS)

So you might ask me “Mr. Mock, how can I be successful in this class?” Here are just a few tips:

- Show up to class – there are those who believe that showing up to class is optional...and I suppose that's true from the philosophical perspective of free will, but if you don't show up to class, you may miss something important!
- Do the homework – contrary to popular belief, doing the homework actually *does* help students practice and learn the material.
- Ask questions – If there is something you don't understand or need more clarification on, ask me! You can ask during the lecture, come to my office hours, or even send me an email. As a general rule, you can assume that someone else in the class has that same question, so do not feel like you are wasting class time by asking!
- Go to the tutoring center – the students who work at the tutoring center are undergrad mathematics students, and are eager to help students in math 70, 95, 105, 111, and 112.
- Come into office hours when you can! The tutoring center is awesome, don't get me wrong, but let me blunt: I'm a better resource than the tutoring center (sorry, tutoring center). The tutoring center should mainly be used for when I'm not available, so come

and see me if you can find time! There have been countless terms where I can count the number of students who visit my office on my hands... those terms make me sad...

- Find a study buddy – hold each other accountable for finishing homework, find a time to meet up outside of class to work on the more difficult problems. It's a lot easier to find motivation when you have a partner.
- CHECK MY WEBSITE!!!!!!!!!!!! – look at the course schedule, know what upcoming chapters are and read them beforehand. Know what I will teach before I actually teach it!
- Check your WOU email regularly. If I have something to announce outside of class, it will be through email. I would say I do this often – usually it's to announce if something unexpected happens and I need to cancel class, or maybe to send an attachment (such as answer keys to a in class review), etc...
- Take practice exams – test anxiety is very real, and very apparent for a lot of students in a math course. One thing you can do to prepare for your exam is to pick 15 or 20 problems from your homework or notes and try to do them all in 50 minutes. If you get stuck at some point or run out of time, that may give you a good indication of how ready you are for your actual exam; and it may also give you insight on what kinds of things you should include on your note card. There is a way to lessen the pressure of timed exams: practice with a time limit.
- Don't "week 9" me.... A lot of students approach me at the end of the term with excuses on why their attendance has been poor or why their exam scores have been low and they always ask: "Is there anything I can do to pass this course." So instead I will take the liberty to answer that question right now: There's nothing you can do at week 9 that can make up for a whole term of absences and poor exam scores. If you find yourself falling behind at like week 4, come see me! Don't wait!
- Don't give up – a lot of students struggle with mathematics; and sometimes you will want to throw your book across the room in anger and frustration – and that's okay. But after you've whispered curse words under your breath at the creation of mathematics, take a deep breath. Go over to your book and pick it up and try doing the problems again! Challenging yourself is a good thing!