



Trigonometry

(syllabus)

Math 112 - CRN 20414 - WINTER 2016 - Course ID: mock81122

(CLASS INFO)

Day/Time: MTRF/8:00am-8:50am
Room: MTRF : NS 016
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 am	math 112	math 112	not on campus	math 112	math 112
9:00 am					
10:00 am	math 95 (fox)	math 95 (fox)		math 95 (fox)	math 95 (fox)
11:00 am	math 251	math 251		math 251	math 251
12:00 pm				math 251	
1:00 pm	math 95 (tan)	math 95 (tan)		math 95 (tan)	math 95 (tan)
2:00 pm	<i>office</i>	<i>office</i>		<i>office</i>	<i>office</i>
3:00 pm	<i>office</i>				
4:00 pm					

(I may, or may not, be present in my office during times that are not marked on the above chart)

(PREREQUISITES)

A grade of C- or better in math 111 or a satisfactory score on the WOU placement test or official transcripts of high enough SAT or ACT scores on the math section are also acceptable.

(COURSE OBJECTIVES)

The primary focus of this course will be: triangle trigonometry, trigonometric equations and identities, circular functions and graphs, complex numbers, and polar coordinates. (taken from the WOU Course Catalog).

(COURSE MATERIALS)

- Text: Algebra and Trigonometry, with modeling and visualization (5th Edition), by Gary Rockswold (ISBN: 978-0321900456 with MML / ISBN-13: 9780321826121 without MML bundle). 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 – price is around \$250
 - 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 – price is around \$87

>| *RELEVANT NOTE: for technical support on the MML website, please contact PEARSON at 800-667-6337* |<

- 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 / In-Class Work	34.0 %
Quizzes	10.0 %
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. To be eligible for an incomplete, you must have notified both the instructor and the Office of Student Affairs in writing of an extremely extraordinary and verifiable situation. Furthermore, at least 80% of the work must be completed up to that point. A contract between the student and instructor for completion of the remaining course work is required.

If the course is taken on a pass/no-pass basis, a passing score is designated at a C- or better.

(HOMEWORK)

Homework will be assigned nearly every class day, and will, unless otherwise specified, be due the following class day. I will try to always spend the first 5-7 minutes of class going over any questions from the previous class' homework assignment, but don't count on this time being the time that you get your major questions answered – come to my office for that! There are two ways in which homework will be assigned: written (or out of book) and online. It will always be one or the other, you will never have a day where both written *and* online homework is assigned.

Written homework

Each written homework assignment will have two scores, and will usually be presented like this:

complete: 4
correct: 6

Generally you will be awarded 4 points for completing the assignments, and then I will pick 3 problems (at random) to grade for 2 points each, for a total of 10. You will be expected to have given a serious attempt for each problem assigned in the homework and bring any questions you may have during the next class session. Please feel free to ask homework questions at the beginning of any class. As there will only be a limited amount of time available at the beginning of each class period for questions, some questions may need to be asked during office hours (either scheduled or by appointment). Written homework will be due at the end of the next class period.

>Written homework will be due by 2:50PM (end of office hours) in my office on the due date, after that it will be considered "late". Late homework will be awarded completeness points only (subject to change as I see fit).

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 (for us it will be "foxtrot" or 11:00am)
- 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.

Online homework

Online homework will be posted usually the morning it is assigned. I don't like to post assignments much earlier than that so I can keep the pacing of the course at the level I want it to be at. Since we won't have computers in our classroom, if you know that you will want to ask a question in class the next day, please write your question on a piece of paper so that we can talk about the problem without having to spend time logging on to the system for me to see what question you are asking about. Online homework will be due three hours after our class ends to allow time to fix any solutions after class – that is 6:00pm for us!

>Online homework will always be due at 10:00pm on the due date, after that, the online system will begin taking 25% off your assignment grade each day until it is turned in.

(EXTRA CREDIT)

Each week you will have an opportunity for extra credit via the Problem of the week, which can be found on my website (the math 112 page). You will not be able to complete the Problem of the Week from past weeks for extra credit.

(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 three 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. Each exam carries 15% of your grade, giving the exams a total weight of 45%. On each exam (final included), you may use a single 3 x 5 note card (front and back).

Projected Grade (PG:)

When I pass back an exam you will see two letter grades, one is the score you got on your exam, the second one will always come after PG: and it represents the grade you will receive if you continue to perform at your current exam & homework level.

For example, let's say you take the first exam and score a B, but you haven't turned in a lot of your homework - you might see "PG: C-" at the top of your paper. What that means is this: if you continue to both perform at the B level on your exams and not turn in a lot of homework, you are on course to receiving a C- in the class.

In that sense, the projected grade is somewhat of a warning flag – it is telling you what grade you are currently projected to earn. With each exam you take, the closer your projected grade gets to becoming your actual grade in the course - your projected grade *approaches* your actual grade. So if you get your first exam back and it says "PG: D-" – don't freak out – it's projecting that you will perform at the level of the average of your current exams on every exam (including the final) for the rest of the term (which you can avoid by taking appropriate action).

(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.

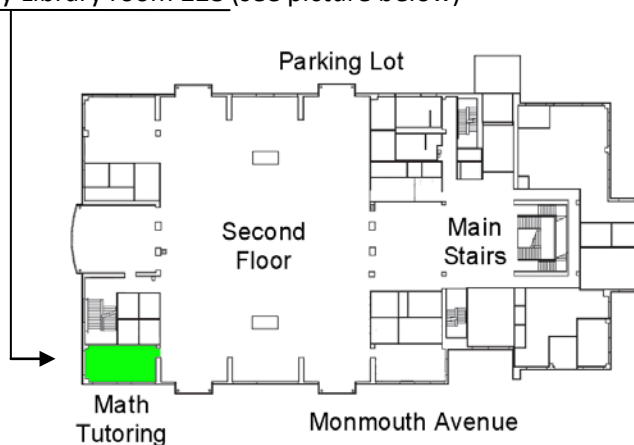
Veterans and Active Military Personnel with special circumstances are welcome and encouraged to communicate these, in advance if possible, to the instructor.

(WOLF CONNECTION SYSTEM)

If the instructor determines your performance in this class is placing you at academic risk, you may be referred to Jesse Poole, Western's Student Success Specialist. Jesse will offer to work with you to address issues and develop a student success strategy. Regardless of whether a referral has or has not been made, you are ultimately responsible for tracking your own progress in this course. If you would like to meet with Jesse regarding any academic struggles you are experiencing, please contact the Academic Advising and Learning Center at [503-838-8428](tel:503-838-8428).

(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 is open Monday through Friday from 11:00 pm to 5:00 pm beginning week 2 and ending week 10. For addition information on the tutoring center and it's 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.

(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.
- 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!