# math 111

(syllabus) – [foxtrot]

Math 111 – CRN 30805 – SPRING 2018 – Course ID: mock54939

**(CLASS INFO)**

| | |
|---|---|
| **Day/Time:** | MTRF/10:00 – 10:50 |
| **Room:** | 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 |
|---|---|---|---|---|---|
| 08:00 | *office* | | | | |
| 09:00 | math 112 | math 112 | | math 112 | math 112 |
| 10:00 | math 111 (foxtrot) | math 111 (foxtrot) | | math 111 (foxtrot) | math 111 (foxtrot) |
| 11:00 | *office* | *office* | | *office* | *office* |
| 12:00 | math 111 (tango) | math 111 (tango) | | math 111 (tango) | math 111 (tango) |
| 13:00 | | | | | |
| 14:00 | | | | | |
| 15:00 | math 95 | math 95 | | math 95 | math 95 |

**(PREREQUISITES)**

A grade of C- or better in math 95 or a satisfactory score on the WOU placement test.

**(COURSE GOALS)**

1. Students Will provide accurate explanations of information presented in mathematical forms
2. Students will convert relevant information into various mathematical forms
3. Students will draw reasonable and appropriately qualified conclusions from quantitative analysis of data
4. Students will understand and use polynomial, rational, exponential, logarithmic, and power families of functions, develop regression and modeling with these functions, and understand and use 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 – 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 $100

  *>| 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-86, 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: | 15.0% |
| Exam I: | 17.5% |
| Exam II: | 17.5% |
| 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 (math 111 - 10:00/foxtrot)
    - Section number (ex: section 4.1)
- 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**)**

My goal this term is to give quizzes every Friday of non-exam weeks at the end of class. These quizzes, while part of your grade, are in place to help you prepare for upcoming chapter exams, and also help me get a sense for how the class is performing as a whole. They will be given roughly 10-15 minutes before class ends. Each quiz will have anywhere from 2 to 4 questions based around your assignments for that week.

**(**EXAMS**)**

There will be two mid-terms throughout this course as well as a cumulative common 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).

**The common final for math 111 will have a significant non-calculator portion. To prepare for this, there will be non-calculator portions of quizzes and midterm exams. Students will be expected to perform basic arithmetic operations with integers and fractions without the use of a calculator.**

**Please also note that the final exam *cannot* be taken at a different time. If it is physically impossible for you to make the time, then you must seek permission from the mathematics department. Please see me for details.**

**(**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, please 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 disability for which you are or may be requesting an accommodation, you are encouraged to contact both your instructor and the Office of Disability Services, APSC 405, or at 503-838-8250, as early as possible in the term. Students needing medical or mental health care can access the Student Health and Counseling Center by calling 503-838-8313, emailing at health@wou.edu, or by walking in to schedule an appointment.

Veterans and active military personnel with special circumstances are welcome and encouraged to communicate these, in advance if possible, to the instructor. For WOU Veteran resources; please see wou.edu/veterans/.

**(**WOLF CONNECTION SYSTEM**)**

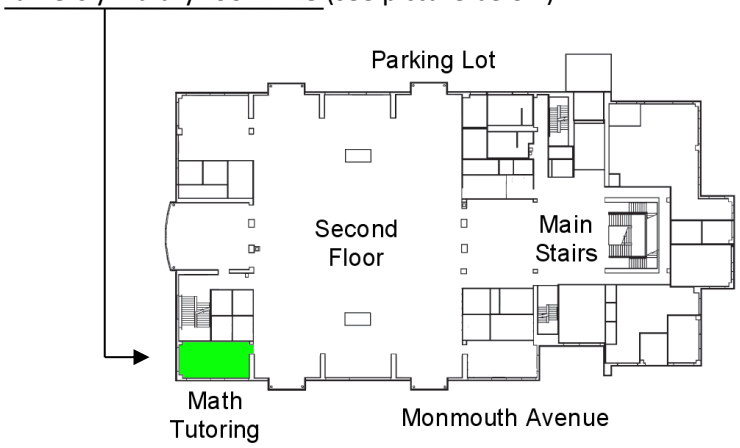
If the instructor determines your performance in this class is placing you at academic risk, you may be referred to a member of the Student Success Team. A student success specialist will offer to work with you to address issues and develop a student success strategy. Regardless of whether a referral 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 a student success specialist regarding any academic struggles you are experiencing, please contact Student Success and Advising at 503-838-8428 or at studentsuccess@wou.edu.

**(**NOTEWORTHY DATES**)**

- 4/5 – last day for online registration changes
- 4/6 – last day to drop with 100% refund
- 4/10 – Add/Drop fees begin
- 4/27 – last day to drop a class without responsibility for grade
- 5/18 – last day to drop a class with a W (withdraw) grade

**(**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 addition 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)
- The current homework that is due the very next class day
- Tutoring center webpage
- Copy of this syllabus
- How to set up MyMathLab subscription
- 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 "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 60, 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.
- Remember why you are here – No doubt all of us are here for a reason. I understand that math 111 is a required course, and maybe not all of us enjoy being here, and at times it may be hard to find the resolve to do 25 math problems some nights for homework, but just remember your ultimate goal – be it nursing school, a business degree, or maybe even a mathematician – this class is en route to your bachelors.
- 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 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 you 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!