Math 110: Applied College Mathematics
Winter 2020 // CRN 20596 // T/R 10:00-11:50 MNB 103/MNB 110

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Office Hours: Mon. 10am-11am, Tues. 12pm-2pm, Weds. 2pm-3pm, Thurs. 9am-10am
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Prerequisite: None.

Materials: You should come to class every day with note-taking materials and a place to store papers. You should have access to the internet throughout this course, although you will not need at-home access as long as you can find time to use WOU computer labs. We will not be using a traditional textbook for this course. I will provide structured notes that contain information typically found in a textbook, and I may also refer you to online supplementary materials. You do not need a calculator for this course, though you are welcome to use one if you like. We will explore a variety of free online calculation tools in this course that you will be able to use for homework and exams.

Course Goals: This course is designed to increase your quantitative literacy by exploring computational aspects of algebra and related concepts as they apply to the real world. By the end of the course:

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 real-world applications.

4. Students will understand the use of percent, proportions and rates in solving real-world problems.

5. Students will understand and use polynomial, exponential, logarithmic, and power families of functions and develop regression and modeling of real-world problems with these functions.

This course fulfills the Foundations: Mathematics requirement for General Education. Course Learning Outcomes 1-3 align to the Foundational Knowledge Learning Outcome for General Education and address the WOU General Education Learning Outcome “Intellectual foundations and breadth of exposure: Put into practice different and varied forms of knowledge, inquiry, and expression that frame academic and applied learning.”
Course Structure

Homework: There will be 8-12 homework assignments throughout this course. I will typically give you at least three days to complete homework assignments. Homework assignments are not equally weighted; the number of points on the assignment determines the weight of the assignment.

Exams: There will be two midterm exams in this course. You may have a 3 inch by 5 inch note card for all exams and an online calculator will be available to you. Here are the midterm exam dates:

- Midterm 1: Thursday, 1/30 (Week 4) during class
- Midterm 2: Thursday 2/20 (Week 7) during class

Final Project: Instead of a final exam for this class, you will have a final project. This project will use material from the entire course and will concern personal financial mathematics. More information about the final project will be given during the second half of the term.

In-class work: You are expected to attend and participate in class every day – this is by far the best way to learn the material. Nearly every day there will be either group work, individual work, or unannounced quizzes that will count towards your in-class work grade.

Grading: Your percentage grade will be calculated as follows:

- In-class work: 10%
- Homework: 15%
- Midterm exams: 25% each
- Final project: 25%

Letter grades will be determined as follows:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>93% - 100%</td>
</tr>
<tr>
<td>A-</td>
<td>90% - 92%</td>
</tr>
<tr>
<td>B+</td>
<td>87% - 89%</td>
</tr>
<tr>
<td>B</td>
<td>83% - 86%</td>
</tr>
<tr>
<td>B-</td>
<td>80% - 82%</td>
</tr>
<tr>
<td>C+</td>
<td>77% - 79%</td>
</tr>
<tr>
<td>C</td>
<td>73% - 76%</td>
</tr>
<tr>
<td>C-</td>
<td>70% - 72%</td>
</tr>
<tr>
<td>D+</td>
<td>67% - 69%</td>
</tr>
<tr>
<td>D</td>
<td>63% - 66%</td>
</tr>
<tr>
<td>D-</td>
<td>60% - 62%</td>
</tr>
<tr>
<td>F</td>
<td>0% - 59%</td>
</tr>
</tbody>
</table>

I will use standard rounding conventions at the end of the term; for example, a 92.5% would be rounded to a 93% for a letter grade of A, whereas a 92.4% would be rounded to 92% for a letter grade of A-. 
Course Policies and Resources

Absences: If you know you are going to miss class due to a previously scheduled activity, you must notify me before the absence in order to be excused (and therefore eligible for make-up work). Except in the case of WOU-sanctioned activities, I reserve the right to not allow make-up work. If you miss class due to an unforeseen emergency, please notify me as soon as possible, and submit a report by going to www.wou.edu/advising/absence. Exams and classwork may not be made up unless at least one of these two channels is followed in a reasonable timeframe.

Late Work: For individual homework assignments, 10% will be deducted from the score on the assignment for each weekday it is late, except in the cases of excused absences, up to a maximum of 50% deduction. I will not deduct homework more than 50%.

Incompletes: An Incomplete can only be granted for a student who is passing a class and has a documented emergency that prevents them from completing the course.

Student Success: If I am concerned about your academic progress and ability to succeed in the course, I 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.

Accommodations: 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 visiting the SHACC building.
Course Policies and Resources

Veterans/Military: Western Oregon University recognizes that those who are actively serving in the Reserves or National Guard of the United States are required by their military contract to attend mandatory training. If you will be absent due to military orders, I strongly encourage you to communicate that with me as soon as possible so we may discuss alternative arrangements.

Reporting: As an employee at Western Oregon University, I am required by federal law to report any incident of sexual misconduct. If you wish to talk with me about something that has occurred to you or another student, I must inform university personnel. Reporting this information helps the university to safeguard students and get students the help and support needed. You have the right to maintain your privacy. I will only report what you confide in me. If you would like additional information about sexual misconduct response at WOU, please visit the website at http://www.wou.edu/student/sexual-misconduct-resources/sexual-assault-care/

Mental Health: If you experience overwhelming academic stress, difficult life events, or feelings of anxiety or depression, I strongly encourage you to seek support. Remember that getting help is a smart and courageous thing to do – for yourself, for those you care about, and for those who care about you. Here are some resources available to you.

- Student Health and Counseling Center (wou.edu/health). Counseling services are free for all WOU students taking at least 6 on-campus credits.

- WOU’s Suicide Prevention and Mental Health Promotion program (wou.edu/mental-health).

- For life threatening situations, call 911 or Campus Public Safety (wou.edu/safety) at (503) 838-9000.

- I am a SafeZone (LGBTQ+) Ally, I am trained in the QPR Suicide Prevention Technique, and I serve on the Abby’s House (Center for Equity and Gender Justice) Board, so I can provide support and referrals in difficult situations.
Course Policies and Resources

Academic Honesty: I expect you to be honest in this course. I will be clear about when you can and cannot talk to one another about assignments, and when you may use resources (such as the internet) to get help. If you are ever confused, please ask me. For more specific information about WOU’s academic misconduct policy, see the WOU Student Code of Responsibility, available from the Office of Student Conduct.

Email: Please use your WOU Gmail to send me an email; otherwise, it may be sent to my spam folder. I will respond to all emails within 48 hours, and usually much quicker. Likewise, you must check your WOU Gmail at least once per weekday while you are enrolled in this course, and you must read my emails entirely. When you are composing a message to me, please consider readability and tone. If you are asking a question about a particular math problem, it is helpful if you attach a picture of your work on that problem so far.

Moodle: At moodle.wou.edu you may access all course documents such as this syllabus, handouts, homework assignments, and keys. I may also post short videos or other resources that supplement what we’ve done in class and on homework. In addition, you may view your scores on previous assignments and your current course grade. I will post announcements in Moodle as well, and I will always duplicate such announcements in class.

Getting Help: Come to office hours! You do not need an appointment to attend my scheduled office hours – just drop in when it is convenient for you. If none of my office hours times work for you, please talk to me after class or email me to set up a different time. There is also free drop-in tutoring in the Math Center on the second floor of Hamersly Library. Check online for hours, wou.edu/mathcenter.

Suggestions: Success in mathematics does not rest on innate ability, but rather upon diligent and careful work over time. Most of your learning will take place on your own and everyone will move at their own pace in understanding the material. Do not be discouraged if you don’t get something the first, second, or even third time. Most of us didn’t either. Mathematics is a habit of thought, and it takes time to develop this habit. Focus on understanding and appreciating the material and everything else will fall into place.