Instructor | Dr. Leanne Merrill (call me Leanne or Dr. Merrill)

Delivery | This course will be delivered asynchronously via Moodle

Contact | Email: merrill@wou.edu

Find Me | Available via email regularly-- will usually reply within 2-3 hours during a weekday, or next day if sent after 6pm. I am a bit slower on weekends, but will still respond!

| Schedule a Zoom appointment using my scheduling link: [https://calendly.com/merrill-wou/30min](https://calendly.com/merrill-wou/30min)

| Optional Problem Sessions for this class at the following times on Zoom:

| Monday | 5:00pm-6:00pm |
| Wednesday | 12:00pm-1:00pm |
| Thursday | 1:00pm-2:00pm |

| Meeting ID: 982 2272 5646 |
| Password: 587576 |

Materials | You will need a computer or tablet with reliable internet access. There are three main texts we will use, all of which are completely free and posted on Moodle. I will also post videos and additional resources.

Goals | In this course,

| Students will demonstrate the ability to make rigorous mathematical arguments in axiomatic and non-axiomatic systems. [Aligns to Math Department Learning Outcomes] |

| Students will demonstrate effective written communication of mathematical concepts. [Aligns to Quantitative Literacy Outcome] |

| Students will demonstrate an understanding of various topological concepts. |
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Grading Structure

Your course grade will be determined based on your mastery and completion of the course components: Problem Sets, Portfolio Problems, and Presentations. (MTH 580 students: you will additionally need to complete a Project.)

*Problem Sets* are like traditional homework. There will be five problem sets in this course. The first four will have 10 problems each and the last one will have fewer than 10 problems. You are allowed to use any resources to complete these, including conversations with me and your peers, all of the posted class resources, and other resources that you find. You will get the most out of these problems if you do not simply look the answer up. These problems will be graded either correct or incorrect. You will be able to resubmit these problems many times.

*Portfolio Problems* are more like typical exams. There will be 10 Portfolio Problems in total. You are only allowed to use resources posted on Moodle and conversations with me to complete these. Notably, you may not talk to your peers or use other books/ websites to help you with these. Each will be graded out of 5 points, will be eligible for partial credit, and can be rewritten up to twice per problem.

*Presentations* will be filmed video presentations that you create about an assigned exercise. I will provide examples and guidelines for what I expect with these, but if you complete the presentation, you will receive credit. You may use any resources to complete these.

The table below shows the grade level work for each grade component. *To get a grade of X, you must have at least level X in each category.* That is, to get a B, you have to have at least a B in each category. Plus/minus grades are determined by the variation in levels. For example: if you have 2 A’s and one B, you’ll get an A-. If you have 2 B’s and 1 A, you’ll get a B+.

<table>
<thead>
<tr>
<th><strong>Problem Sets</strong>*</th>
<th><strong>Portfolio Problems</strong></th>
<th><strong>Presentations</strong></th>
<th><strong>Project</strong>* **</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>At least 8 correct in each set</td>
<td>Score of 5 on at least 9</td>
<td>2 presentations</td>
</tr>
<tr>
<td>B</td>
<td>At least 7 correct in each set</td>
<td>Score of 5 on at least 7</td>
<td>1 presentation</td>
</tr>
<tr>
<td>C</td>
<td>At least 6 correct in each set</td>
<td>Score of 5 on at least 5</td>
<td>1 presentation</td>
</tr>
<tr>
<td>D</td>
<td>At least 5 correct in each set</td>
<td>Score of 5 on at least 3</td>
<td>0 presentations</td>
</tr>
<tr>
<td>F</td>
<td>Fewer than 5 correct in any set</td>
<td>Less than 5 on 3 or more</td>
<td>0 presentations</td>
</tr>
</tbody>
</table>

*The last Problem Set will have fewer than 10 problems. I will provide specific grading criteria later.

**The Project only applies to graduate students. You can get a maximum grade of C if you do not complete the project. Project directions will be sent via email.*
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Policies

Late Work

In general, I expect you to turn things in at their due date/time. However, if something prevents you from doing this -- such as illness of yourself or a family member, or another difficult and unforeseen event -- you should communicate with me so we can design a plan for you to keep up with material.

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.

Accomodations

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 at ods@wou.edu or 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.

Veterans and 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 this, please visit: wou.edu/student/sexual-misconduct-resources/sexual-assault-care/
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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) Advisory Council, so I can provide support and referrals in difficult situations.

Academic Honesty

I expect you to be honest in this course. 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. If you are asking a question about a particular math problem, 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, homework assignments, videos, and other resources. I will post announcements in Moodle about changes/updates to the course. I recommend checking Moodle at least once per weekday during this course.

Unfortunately, Moodle is very bad at handling this kind of grading structure. To keep track of grades, I will create individual spreadsheets for each of you, and I will share this spreadsheet with you so that you know where you stand at any given point.