

Welcome to Math 407 during Winter 2021 Pandemic.

COVID-19 has caused a lot of upheaval in our world in the past weeks, and has required a shift to online learning so that we can better protect each other. You may still have limited experiences with online learning, and I am a fairly new teacher in an online setting. My experience from Spring, Summer and Fall 2020 tells me that I will make mistakes, you will make mistakes, and things will just go wrong, but I am going to do my best to help you out when you make mistakes and when things just go wrong. I am trying my best ask you to do things that will be helpful to your learning and that will also create a sense of community for our class. We will have regular synchronous course meetings to allow us to build a sense of community but we will also recognize that things are in flux so regular communication will be important. I will do my best to keep Canvas up-to-date with the course information so please check in with our course regularly and start assignments promptly. The expectation is that you should be spending about 2-3 hour per week on the course (1 hour class time, 2 hours homework per weekday).

Considerations for Winter 2021 Online Course

Course Meetings: The course meetings will be provided synchronously online through Canvas Zoom. Students are expected to communicate to faculty via email and as soon as possible if they are not able to attend class. I am encouraging this daily interaction so that students will have a chance to meet and work with other colleagues in the math and applied math majors that they might not otherwise have a chance to meet this year.

On-Campus Meetings: Due to COVID-19, and under the directive and mandate of public health officials and the president of Central Washington University, students must adopt face covering protocol before entering any classroom or building at CWU until further notice. Students must also follow the social distancing placement marks in buildings and classrooms. If you do not have a face covering Central Washington University can provide one for you. If you have not yet received your CWU-supplied facial covering, please go the SURC Information Desk. Please do so prior to the start of your first class. Please do so prior to the start of your first class.

Communication: To help me cut down on answering the same question multiple times, please post questions that others might share to the relevant content discussion. I am monitoring discussions. If your question is personal then the best way to contact me is by email (brandy.wiegers@cwu.edu) from your university email address. Please put [Math 407] and a descriptive subject in the subject line. I'm ok at following up to email, but I do occasionally put something off for later and forget about it. So if you haven't gotten a response within one business day, please send your question again. You should also check your Canvas messages and university Outlook email address daily. Please contact me ASAP if you are sick or if there is a reason why you need special consideration or an extension of due dates.

Online Resources

- CWU offers a variety of services and guidelines for current and future online students regarding admissions, degree-completion advising <https://www.cwu.edu/online-learning/resources-current-and-future-students>. Familiarity with these resources, broken down for future and current students, will greatly improve your knowledge of online support at CWU, the tools you'll need to engage with classes, and the essential steps and processes required for graduation.
- CWU Multimodal Online Learning Basics for Students: Please refer to CWU Multimodal Online Learning Basics page for helpful strategies for completing your tenure at CWU online successfully, <https://www.cwu.edu/online-learning/online-learning-basics-students>.

Personal Mental Health

Stress and other life circumstances that may be out of your control can make learning and focusing difficult. If you find stress or other mental health concerns make academics difficult, Central has resources to support you. I encourage you to reach out as soon as you notice you are struggling:

- CWU Counseling Center: <https://www.cwu.edu/medical-counseling/counseling-clinic>
- Mental Health Crisis Support outside normal business hours: Call 1-800-273-8255, Text HOME to 741741, or call 911.
- Wellness Center: <https://www.cwu.edu/wellness/> 509-963 -3213. Includes sexual assault & victim advocacy.
- Disability Services: <https://www.cwu.edu/disability-services/> 509 - 963 - 2214

This course introduces students to new areas of mathematics. Exposure to open problems in mathematics, and to the practice of modern research mathematics.

In Winter 2021 we will focus on studying Douglas Hofstadter's book, Gödel, Escher, Bach

Quick Reference for Math 407 Course Information

Online Question/Meeting Times: Section 001: Wednesday 3:00 - 3:50 pm, Online via Zoom, <https://cwu.zoom.us/j/89276873647?pwd=KzhXbnFRY3BnUEVxV3RSTlc5V3FSZz09>

Instructor	Email	Office	Phone	Pronouns
Dr. Brandy Wieggers	brandy.wieggers@cwu.edu	My Home	509-963-2125	She/Her/Hers

The best way to contact the instructor is at Office Hours or via email.

Student Hours: Additional meetings are available via appointment, visit the following website to schedule extra question/meeting times <https://drbrandymath.youcanbook.me>

Course Requirements and Grading Standards

Your grade will be determined by your online participation and three written papers.

Attendance and Weekly Assignments – 40%

Please either attend the Zoom meeting online -or- watch the Zoom video after class and email Dr. Wieggers what you learned from the meeting. In addition, make sure to do the weekly assignments to support your engagement in the class. This will include a weekly reflection on the activity that happened the previous week.

Written Work- 60%

Each class member will prepare a presentation and paper that will each be worth 20% of your final grade. There will then be a final reflection worth 20% of your final grade.

Additional details about the papers will be presented in-class but a reminder that overall style and meeting the requirements will be part of the grade evaluation. To meet the learning objective of technical writing your report should answer the prompts given and illustrate the fundamental ideas in clear, concise, descriptive English prose.

In addition, each day that the write-up is late will result in a reduction in the overall grade.

Final Grades:

The following table reflects the planned letter grade for the course structure.

Total Percentage	93-100	90-92	87-89	83-86	80-82	77-79	73-76	70-72	67-69	63-66	60-62	0-59
Grade	A	A-	B+	B	B-	C+	C	C-	D+	D	D-	F

Remember, you will be successful in Central courses if you....

- **Are Self-Motivated & Work Hard:** Learning mathematics takes a lot of practice and work.
- **Look for alternate ways of solving the same problem.**
- **Participate actively in group-work and class discussions.**
- **Ask Questions.**
- **Believe in yourself and your ability to do math.**

University Policies

Counseling Services: Students are reminded that they have access to medical and counseling support through the CWU Student Medical and Counseling Clinic, <https://www.cwu.edu/medical-counseling/>. If you have concerns that you might be experiencing symptoms of anxiety or other mental health concerns it might be helpful to talk with a counselor, call the Counseling Clinic (509-963-1391).

Support Services/ Accommodations: Students who have special needs or disabilities that may affect their ability to access information and/or material presented in this course are encouraged to contact the office of Disability Support Services on campus (DS@cwu.edu -or- 963-2214 -or- visit their office in Hogue 126). Also, please let me know if you need me to accommodate for a disability in anyway, I am glad to do so! **Test scheduled through Testing Services must be scheduled 2 business days in advance.**

Sexual Misconduct: Central Washington University is committed to providing all community members with a learning and work environment that is free from sexual harassment and assault. Students have options for getting help if they have experienced sexual assault, relationship violence, and sexual harassment, or stalking. Information can be found at <http://www.cwu.edu/wecare> and in CWUP 2-35-050: Sexual Harassment. Faculty are required to report information regarding sexual misconduct or related crimes. Students may speak to someone confidentially by contacting the CWU Wellness Center, 509-963-3213, or the CWU Student Counseling Clinic, 509-963-1391.

Religious Holidays: In compliance with RCW 28B.137.010, Central Washington University makes every effort to deal reasonably and fairly with students who, because of religious obligations, have conflicts with scheduled exams, assignments or required attendance. Students must present written notice to their instructor within the first two weeks of class listing the specific dates on which accommodations are required. Contact the Dean of Student Success at (509) 963-1515 for further information or questions.

Expectations for Student Conduct: Students in this class are expected to interact with students and the professor professionally. Instances of disruptive conduct, obstructive conduct, or harassment (see Washington Administrative Code 106-125-020) will be referred to the Dean of Student Success.

Incompletes: The College Policy on Incompletes states that Incompletes are used when the student was not able to complete the course by the end of the term but has satisfactorily completed a sufficient portion of it and can be expected to finish without having to re-enroll in it. In this course, students who have not completed substantial coursework should not assume that they will be "given" an incomplete at the end of the semester. If you have concerns about this, you should talk to the course instructor and your academic advisor.

Important Dates:

Jan 11	Change of Schedule Period Ends (Add/Drop classes)
Jan 11	Deadline to declare audit & credit/no credit grading.
Jan 18	Martin Luther King Jr. Holiday, No class will be held.
Feb 15	President's Day Holiday, No class will be held.
Feb 18	Uncontested withdrawal period deadline
Mar 12	Withdrawal from classes or university. Not permitted except for "serious and compelling reasons."

Syllabus Changes: I reserve the right to change the policies contained in this syllabus as dictated by developments during the quarter

Professionalism Expectations As a member of a peer learning community, a high degree of professionalism is necessary. I measure professionalism based on several aspects including your academic integrity and your support of the inclusion and diversity policies of CWU. Please be aware of the following expectations.

Academic Integrity: While completing this course you must follow the CWU Student Code of Conduct, which is defined by Washington State, including *university policies* ([CWUP 5-90-040\(22\)](#), [CWUR 2-90-040\(22\)](#), and [WAC 106-125-020](#)) which address student conduct, cheating, plagiarism, and other academic expectations. Please be reminded that the Washington State Legislature defines Academic Dishonesty in all its forms including, but not limited to the following: Cheating on tests. Copying from another student's test paper. Using materials during a test not authorized by the person giving the test. Collaboration with any other person during a test without authority. Knowingly obtaining, using, buying, selling, transporting, or soliciting in whole or in part the contents of an unadministered test or information about an unadministered test. Bribing any other person to obtain an unadministered test or information about an unadministered test. Substitution for another student or permitting any other person to substitute for oneself to take a test. "Plagiarism" which shall mean the appropriation of any other person's work and the unacknowledged incorporation of that work in one's own work offered for credit. "Collusion" which shall mean the unauthorized collaboration with any other person in preparing work offered for credit. ***If there is any break in academic integrity CWU's policies and recommendations for academic misconduct will be followed, leading to disciplinary action up to and including failing the course.***

Inclusion and Diversity: CWU expects every member of the university community to contribute to an inclusive and respectful culture for all in its classrooms, work environments, and at campus events.

<https://www.k12.wa.us/policy-funding/equity-and-civil-rights/civil-rights-laws-and-regulation>

As a student in this course, you are expected to behave in a respectful manner in which you treat your professors, fellow students, and other people affiliated with your work at CWU with respect, regardless of their identity (including gender, race and color, religion and creed, national origin, sexual orientation, gender identify and gender expression, disability and use of assistive devices or a service animal, and veteran or military status). In turn, I strive to create a learning environment for my students that supports a diversity of thoughts, perspectives and experiences, and honors your identities. Thus...

- If you have a name and/or set of pronouns that differ from those that appear in your official CWU records, please let me know!
- If you feel like your performance in the class is being impacted by your experiences outside of class, please don't hesitate to come and talk with me. I want to be a resource for you. Remember that you can also submit anonymous feedback (which will lead to me making a general announcement to the class, if necessary, to address your concerns). If you prefer to speak with someone outside of the course, the Chair of the Mathematics Department is an excellent resource.
- I (like many people) am still in the process of learning about diverse perspectives and identities. If something was said in class (by anyone) that made you feel uncomfortable, please talk to me about it. (Again, anonymous feedback is always an option.)
- As a participant in course discussions, you should also strive to honor the diversity of your classmates.