Course Meetings: MTWF 9:40-10:30am via Zoom.
Course Information: Math 3210 is a 4 credit course.
Prerequisite Information: C or better in ((MATH 2210 OR MATH 1260 OR MATH 1280 OR MATH 1321 OR MATH 3140) AND (MATH 2200 OR MATH 2270 OR MATH 2250)).
Course Description: Logic, methods of proof and mathematical argument in mathematical analysis. Rigorous reconsideration of the real-number system, infinite series and of continuity, differentiation and integration for functions of one variable. The emphasis is on improving the student’s ability to understand and explain concepts in a logical and complete manner.
Instructor: Dr. Matt Cecil
Email: mcecil@math.utah.edu
Office Hours: Will be determined at the beginning of the semester based on availability polling.
Overview: This a synchronous online course (IVC) which will meet via Zoom at the class meeting times. Attendance is strongly encouraged but not required. Class lectures will be recorded and posted to Canvas, however, there is course participation component which will be met by regular attendance (see section on Grading below).
There will be notes posted each week on Canvas; these notes will form the basis of our lectures. Students will need to supplement these lectures with careful reading of the book sections.
We will cover chapters 1-6 of the textbook. These cover the following topics:

Chapter 1: Real Numbers
Chapter 2: Sequences
Chapter 3: Continuous Functions
Chapter 4: The Derivative
Chapter 5: The Integral
Chapter 6: Infinite Series

The instructor will be available to meet online for office hours, will respond to emails, and participate in discussion boards. The Canvas interface makes connecting with other students easy. Though it is required that every student do his or her own work, you are encouraged to form study groups and/or ask questions of your peers. Students are encouraged to answer discussion posts too.

Technical Requirements:

- Students are expected to be computer literate and Canvas and Zoom navigation skills are expected. Knowledge and navigation of Canvas and Zoom is critical to access all features and resources of this course.
- Exams will be proctored during class time in Zoom and all students will be expected to have a working webcam and microphone. A cell phone can possibly be used for this purpose.
- Students MUST use their U-mail email account ([u-number]@utah.edu) for all student-instructor email correspondence, and must send email to the instructor using the email address listed above. Check your U-mail regularly because all official class announcements will be sent through this email.
- The university suggest that you use Firefox, Chrome, or Safari to login to Canvas, but not Internet Explorer. For any technical help with Canvas, you should contact the UOnline Helpdesk at (801) 581-6112.
For information on borrowing a laptop from the university or about off-campus wifi access, see https://lib.utah.edu/coronavirus/checkout-equipment.php

**Grading:** The following are the grade components and the percentage each contributes to a student’s final grade:

**Homework Assignments (20%)** - assignments will be due more or less weekly. The assignments will be posted on Canvas and they are to be turned in on Canvas, by uploading a file. The lowest score will be dropped.

**Journaling (8%)** - Students are expected to submit weekly journal entries in Canvas. The topic of the entries needs to be mathematical, broadly interpreted. You can write about topics from class or any other mathematical topic that interests you at the moment. Entries must be a minimum of 200 for credit.

**Participation (12%)** - Students will be graded on weekly course participation. There are two ways to earn the week’s participation credit. The first way is by attending three or more lectures in the week. The second is by posting a question, comment, or response on the Canvas discussion board. For credit, these posts need to be substantial and demonstrate reflection on the topic.

**Midterm Exams (60%)** - There will be four exams throughout the semester, each worth 15% of the final course grade. These exams will be ‘in-class’ in that they will be administered during class time and proctored via Zoom. Dates for the exams are Friday September 18th, Friday October 16th, Friday November 13th, and Friday December 11th.

**Final Exam** - There is no comprehensive final exam for this course, however, the fourth exam will be given during the university’s scheduled final exam time, Friday December 11th from 8-10am.

Final course letter grades will be tentatively determined as follows: If X is your course percentage weighted according to the above, then \{X \geq 92\% \Rightarrow A, X \geq 90\% \Rightarrow A-, X \geq 88\% \Rightarrow B+, X \geq 82\% \Rightarrow B , X \geq 80\% \Rightarrow B-, X \geq 78\% \Rightarrow C+, X \geq 72\% \Rightarrow C, X \geq 70\% \Rightarrow C-, X \geq 68\% \Rightarrow D+, X \geq 62\% \Rightarrow D , X \geq 60\% \Rightarrow D-, X < 60\% \Rightarrow E\}.

The instructor retains the right to modify this grading scheme during the course of the semester; students will, of course, be well notified of any adjustments.

**Other Important Information**
- Students must self-report if they test positive for COVID-19 via coronavirus.utah.edu.
- Exams will be closed book and closed notes. Online resources and communication with others (either in person or electronically) will not be allowed during the exams. Violations of these rules will be considered academic misconduct; a zero will be given on the exam and a report will be sent to the College of Science.
- You are encouraged to work with others studying for this class. It is acceptable to discuss the homework with your fellow students, however, you should write up your own solutions. Not doing so will be considered academic misconduct.

**Student Responsibilities:** All students are expected to maintain professional behavior in the classroom setting, according to the Student Code, spelled out in the Student Handbook. Students have specific rights in the classroom as detailed in Article III of the Code. The Code also specifies proscribed conduct (Article XI) that involves cheating on tests, plagiarism, and/or collusion, as well as fraud, theft, etc. Students should read the Code carefully and know they are responsible for the content. According to Faculty Rules and Regulations, it is the faculty responsibility to enforce responsible classroom behaviors, and I will do so, beginning with verbal warnings and progressing to dismissal from and class and a failing grade. Students have the right to appeal such action to the Student Behavior Committee. http://regulations.utah.edu/academics/6-400.php

**ADA Statement:** The University of Utah seeks to provide equal access to its programs, services and activities for people with disabilities. If you will need accommodations in the class, reasonable prior notice
needs to be given to the Center for Disability & Access, 162 Olpin Union Building, 801-581-5020. CDA will work with you and the instructor to make arrangements for accommodations. All written information in this course can be made available in alternative format with prior notification to the Center for Disability & Access.

**Addressing Sexual Misconduct:** Title IX makes it clear that violence and harassment based on sex and gender (which includes sexual orientation and gender identity/expression) is a civil rights offense subject to the same kinds of accountability and the same kinds of support applied to offenses against other protected categories such as race, national origin, color, religion, age, status as a person with a disability, veterans status or genetic information. If you or someone you know has been harassed or assaulted, you are encouraged to report it to the Title IX Coordinator in the Office of Equal Opportunity and Affirmative Action, 135 Park Building, 801-581-8365, or the Office of the Dean of Students, 270 Union Building, 801-581-7066. For support and confidential consultation, contact the Center for Student Wellness, 426 SSB, 801-581-7776. To report to the police, contact the Department of Public Safety, 801-585-2677(COPS).

**Student Names and Personal Pronouns:** Class rosters are provided to the instructor with the students legal name as well as Preferred first name (if previously entered by you in the Student Profile section of your CIS account). While CIS refers to this as merely a preference, I will honor you by referring to you with the name and pronoun that feels best for you in class, on papers, exams, group projects, etc. Please advise me of any name or pronoun changes (and update CIS) so I can help create a learning environment in which you, your name, and your pronoun will be respected. If you need assistance getting your preferred name on your UIDcard, please visit the LGBT Resource Center Room 409 in the Olpin Union Building, or email bpeacock@sa.utah.edu to schedule a time to drop by. The LGBT Resource Center hours are M-F 8am-5pm, and 8am-6pm on Tuesdays.

**Wellness Statement:** Personal concerns such as stress, anxiety, relationship difficulties, depression, cross-cultural differences, etc., can interfere with a students ability to succeed and thrive at the University of Utah. For helpful resources contact the Center for Student Wellness at www.wellness.utah.edu or 801-581-7776.

**Safety Statement:** The University of Utah values the safety of all campus community members. To report suspicious activity or to request a courtesy escort, call campus police at 801-585-COPS (801-585-2677). You will receive important emergency alerts and safety messages regarding campus safety via text message. For more information regarding safety and to view available training resources, including helpful videos, visit safeu.utah.edu.

**University Counseling Center** The University Counseling Center (UCC) provides developmental, preventive, and therapeutic services and programs that promote the intellectual, emotional, cultural, and social development of University of Utah students. They advocate a philosophy of acceptance, compassion, and support for those they serve, as well as for each other. They aspire to respect cultural, individual and role differences as they continually work toward creating a safe and affirming climate for individuals of all ages, cultures, ethnicities, genders, gender identities, languages, mental and physical abilities, national origins, races, religions, sexual orientations, sizes and socioeconomic statuses.

**Office of the Dean of Students** The Office of the Dean of Students is dedicated to being a resource to students through support, advocacy, involvement, and accountability. It serves as a support for students facing challenges to their success as students, and assists with the interpretation of University policy and regulations. Please consider reaching out to the Office of Dean of Students for any questions, issues and concerns. 200 South Central Campus Dr., Suite 270. Monday-Friday 8 am-5 pm.

**Student Success Advocates** The mission of Student Success Advocates is to support students in making the most of their University of Utah experience (ssa.utah.edu). They can assist with mentoring, resources, etc. Any student who faces challenges securing their food or housing and believes this may affect their performance in the course is urged to contact a Student Success Advocate for support (https://asuut.edu/displaced-students).