George Mason University
Math 290
Intro to Advanced Mathematics

Instructor: Trey Andreani

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Office: Exploratory Hall 4407

Section: 002

Lecture: MW 3:00 - 4:15 PM

Room: Engineering Bldg 1108

Office Hours: W 1:45 - 2:45 PM

Prerequisite: C or better in MATH 114 or MATH 116.

Description: This is a writing intensive course and is part of the Mason Core Curriculum. Therefore correct spelling, grammar, organization, logic and clarity are required for all assignments. These concepts will be taught and reinforced as we explore topics including logic, set theory, functions, and cardinality.

Text: D. Smith, M. Egan, R. St. Andre, *A Transition to Advanced Mathematics, 8th Ed.* (ISBN: 9781285463261). We will be covering most of the first five chapters.

Technology: No phones, tablets, laptops, etc. will be allowed in the classroom. If you violate this policy you will be asked to leave, and will receive a zero on any of that day's assignments.

Homework: Homework will be assigned at the end of each class. Completing the homework assignment is the bare minimum of work you should be doing outside of class. Additional problems are available for those who would like extra practice. Select homework problems will be collected weekly. These problems must be typed in an implementation of the TeX typesetting software (Such as LaTeX). Information on this will be given during lectures. This must be submitted as a PDF file though Blackboard. The file name must include your full name and assignment title (ie: TreyAndreani-HW01.pdf). These must be your own original work. No collaboration or reference material is allowed. You will receive feedback on these assignments, which will total at least 3500

words over the length of the course. All assignments will be detailed on Blackboard and will include a TeX file as well as the corresponding PDF for your reference.

In-Class Work: Problems will occasionally be assigned for collaborative work in class. You may choose your own groups unless this becomes disruptive. Additionally, these must be typed and submitted similar to the homework.

Exams: There will be a midterm exam during the course. You may not leave the classroom during an exam for any reason. Please come to class prepared. Make-up exams will only be given for extreme circumstances, must be accompanied by official documentation, and I must be notified in advance.

Final Exam: The final exam will be cumulative. The date and time are set by the university, and are non-negotiable.

Grading:
A: 90 - 100% B: 80 - 89% C: 70-79% D: 60-69% F: 0 - 59%
Homework - 15%
In-Class - 15%
Exam - 30%
Final Exam - 40%

Academic Integrity: Violations of the honor code will not be tolerated.
Student members of the George Mason University community pledge not to cheat, plagiarize, steal, or lie in matters related to academic work.

Important Dates:
Classes Begin - August 26
Last Day to Drop with no Tuition Penalty - September 9
Last Day to Drop - September 30
Final Exam - December 11 7:30-10:15 PM