



MHF3202 Section 18128 – Sets and Logic – Spring 2020

Instructor: Dr. Richard Crew, Department of Mathematics

Office Hours: TBA

Office phone: 352-294-2300

Course meeting time: MWF 4, Little Hall 235

Introduction

This course is an introduction to set theory and formal logic as it is used in contemporary mathematics. The main aim is for the student to gain proficiency in the reading and writing of mathematical proofs. The text is Daniel Velleman's *How To Prove It*, second edition, and we will cover the first six chapters, and as much of the seventh as time allows.

Prerequisites

Completion of a UF mathematics course at the 2000 level or above with a minimum grade of C. Also, a sense of adventure.

Course Format and Grading

The course grade will be based on four hour exams during the semester and selected homework problems. Each exam will count for 20% of the final grade, and the graded homework for the remaining 20%. Course grades will be given on the usual scale: A, 90% or above; B, 80% up to 90%; C, 70% up to 80%, D, 60% up to 70%; E, below 60%. This may be modified slightly after the second midterm exam. Exam dates will be announced later.

Late homework will not be accepted without a valid medical excuse. Homework may be submitted by email in PDF form and will not be counted as late if it is received by 9:30 AM of the due date. Homework submitted by email must clearly indicate the student's name and the assignment date.

Course Policies

Except for exam dates, attendance is not mandatory but highly recommended. If you miss a class, it is your responsibility to find out what happened and if any modification was made in the assignments or exam dates. Acceptable reasons for missing an exam are serious family emergencies, special curricular

requirements of other units of the University, military obligations, religious holidays, severe weather conditions, or court-imposed legal obligations. In all of these cases makeup exams must be arranged in advance with the instructor, except in the case of emergencies. This attendance policy is consistent with university regulations on attendance.

Students requesting accommodations for disabilities should register with the Disability Resource Center. Once registered, the student will be given a letter which must be presented to the instructor when requesting accommodation. Students with disabilities should follow this procedure as early as possible in the semester.

Students are expected to provide feedback on the quality of instruction by completing online evaluations. Typically this process takes place during the last weeks of semester. The results of the evaluations are available when they are tabulated.

Metadata

This web page is the authoritative source for the course syllabus and supersedes all previous versions.

Weekly Schedule

Week One – January 6-10

Wednesday: Orientation and examples

Friday: Discussion of §1.1. Be prepared to discuss the problems at the end of the section.

