

MHF 3202: Sets and Logic

Fall 2016

Location: LIT 239
Time: MWF 12:50pm-1:40pm
Instructor: Michael Hull
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Website: people.clas.ufl.edu/mbhull/
Office: LIT 452
Office Hours: MWF 2pm-3pm

Course Description:

Examples of sets, operations on sets, set algebra, Venn diagrams, truth tables, tautologies, applications to mathematical arguments and mathematical induction.

Course Goals:

The main goal of the course is for students to learn how to communicate mathematical proofs through both writing and speaking.

Textbook:

How to Prove It by Daniel Velleman.

Weekly Schedule

Assignments for each week will be posted online here:

<http://people.clas.ufl.edu/mbhull/courses/MHF3202/>. Typically, each week students will be assigned to read some sections of the textbook and prepare to discuss the exercises for those sections in class. In addition, students will be assigned some specific problems as written homework each week which will typically be due each Friday at the beginning of class.

Exams

There will be three midterms, approximately one every 4 weeks, and a final exam. The midterms will be given as oral exams; there will be no Friday

class on the week of the exam and each student will be required to schedule a 20-minute session with the instructor on either Thursday or Friday of that week. The final exam may be either written or oral or have a component of each, this will be decided later.

Attendance and Participation

Attendance in class is required, see the university attendance policy at <https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx> for more information. During class, students will occasionally be asked to present solutions to problems on the board, to contribute to classroom discussions, to read and comment on the work of other students, or to work on problems in groups with other students. When the instructor is lecturing, students will also be expected to actively participate in lecture by asking and answering questions. All of these activities will contribute to a student's participation grade.

Grades

Final grades for the course will be computed as follows:

Homework	20%
Midterms:	15% each, 45% total
Final:	20%
Class participation:	15%

Disability Accommodation

Students with disabilities requesting accommodations should first register with the Disability Resource Center (352-392-8565, www.dso.ufl.edu/drc/) by providing appropriate documentation. Once registered, students will receive an accommodation 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.

Course Evaluation

Students are expected to provide feedback on the quality of instruction in this course by completing online evaluations at <https://evaluations.ufl.edu>.

Evaluations are typically open during the last two or three weeks of the semester, but students will be given specific time when they are open.

Summary results of these assessments are available to students at <https://evaluations.ufl.edu/results/>.

UF Grading Policy

<https://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx>