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Department of Mathematics

College of Liberal Arts
and Sciences
(<http://clas.ufl.edu/>)

Sets and Logic, Spring 2020

Titles and codes:

Sets and Logic, MHF 3202

Meeting time and place:

MWF 3rd Period, LIT 219

Instructor:

Ethan McCarthy

Office:

434 Little Hall, Office Hours: MWF 4th period

Contact:

ethanmccarthy@ufl.edu

Textbook:

Book of Proof (3rd Edition) by Richard Hammack, available freely
here: [<https://www.people.vcu.edu/~rhammack/BookOfProof/>]
(<https://www.people.vcu.edu/~rhammack/BookOfProof/>).

Course description:

This course is an introduction to the formal language of mathematics. The goal is to learn how to read, understand and write your own rigorous and precise mathematical arguments. You may be familiar with most of the factual content discussed in the examples, but the novelty is the mathematical rigor and the skill of formal writing.

Prerequisites:

Any 2000+ level UF math course with a minimum grade of C.

Grading:

There will be four in-class midterms, each worth 20%, the remaining 20% will be based on quizzes and participation. There will be no make-up exams or make-up quizzes, however the lowest two quizzes will be dropped, and a replacement for any one missed midterm can be taken at the time scheduled for the final. The letter grade is determined according to a straight scale (93–100 A, 90–92 A-, 87–89 B+, 83–86 B, 80–82 B-, 77–79 C+, 73–76 C, 70–72 C-, 67–69 D+, 63–66 D, 60–62 D-, 0–59 E).

Further course policies:

Closed-book policy: The use of notes or books will not be allowed during midterms/quizzes.

Grading disputes: Any issues or questions about the grading of exams must be brought to the instructor's attention within one week after the exams are returned to the class.

Excused absences: In certain extraordinary circumstances a student will be able to make up a missed exam. These circumstances could include medical situations, family emergencies, travel for University activities (eg. athletics, band, etc), and religious observances. In these cases the student must inform the instructor immediately at the beginning of the semester of the anticipated absence, or in the case of emergencies as soon as passible and within a week of the missed activity and **provide written documentation**.

Further administrative matters:

Requirements for class attendance and make-up exams, assignments, and other work in this course are consistent with university policies that can be found in the online catalog at: <https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx> (<https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx>). Students are expected to read ahead in the textbook before class, attend, and participate in class discussions.

Students are expected to provide feedback on the quality of instruction in this course based on 10 criteria. These evaluations are conducted online at <https://gatorevals.ua.ufl.edu> (<https://gatorevals.ua.ufl.edu>). Evaluations are typically open during the last two or three weeks of the semester, but students will be given specific times when they are open.

Students requesting classroom accommodation must first register with the Dean of Students Office. The Dean of Students Office will provide documentation to the student who must then provide this documentation to the

Instructor when requesting accommodation.

U Matter We Care:

Your wellbeing is important to the UF. The U Matter, We Care initiative is committed to creating a culture of care on our campus by encouraging members of our community to look out for one another and to reach out for help if a member of our community is in need. If you or a friend is in distress, please contact umatter@ufl.edu so that the U Matter, We Care Team can reach out to the student in distress. A nighttime and weekend crisis counselor is available by phone at 352-392- 1575. The U Matter, We Care Team can help connect students to the many other helping resources available including, but not limited to, Victim Advocates, Housing staff, and the Counseling and Wellness Center. Please remember that asking for help is a sign of strength. In case of emergency, call 9-1-1.

Honor pledge:

UF students are bound by The Honor Pledge, which you must know and follow:

“We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honor and integrity by abiding by the Honor Code.”

On all work submitted for credit by students at the University of Florida, the following pledge is either required or implied:

“On my honor, I have neither given nor received unauthorized aid in doing this assignment.”

The Honor Code (<http://www.dso.ufl.edu/sccr/process/student-conduct-honor-code/> (<http://www.dso.ufl.edu/sccr/process/student-conduct-honor-code/>)) specifies a number of behaviors that are in violation of the code and possible sanctions. Furthermore, you are obligated to report any condition that facilitates academic misconduct to appropriate personnel. If you have any questions or concerns, please consult with the instructor or TAs in this class.

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