



mhf-3202-syllabus

mhf-3202
Section 3255

Instructor

Scott McCullough

Course Content and Objectives

This course is an introduction to formal mathematics. The emphasis in this course is not only on learning some elementary set theory and logic, but importantly on learning how to write clear and rigorous proofs and mathematical culture. Some of the material covered in this course may be quite familiar to you. The goal is to understand and write about this material in a formal mathematical way. In addition to attending class, you are expected to carefully read the appropriate sections in the text, and spend time working problems.

Text books

- Primary. Freely available as a .pdf using the link provided below.
Book of Proof, third edition, by Richard Hammack.
- Recommended. Freely available as a .pdf using the link below.
Transition to Higher Mathematics, second edition, by Dumas and McCarthy.

Suggested Problems

Selected problems from the text will be assigned on a daily basis.

Homework

Tentatively, 18 homework problems will be assigned, collected, and graded. Late homework will not be accepted, rather the lowest three homework scores will be dropped. Homework will be worth a 150 points total.

Quizzes

There will be six or seven quizzes each worth 10 points. There will be no make-up quizzes, rather the best five quiz scores will be used to compute a course total. Quizzes are worth 50 points total.

Exams.

There will be three mid-term exams, each worth 100 points. There will be no make-up exams, rather a replacement for any one mid-term can be taken at the time scheduled for the final. Exams are worth 100 points total.

Exam 1, Friday 8 February.

Exam 2, Monday 20 March.

Exam 3, Friday 22 April.

Make-ups, Monday 29 April, 10-11.

Grading

A course total will be computed by adding the exam, quiz and homework totals. Grades will then be assigned according to a straight scale: 90 A; 87 A-; 83 B+; 80 B; etc.

Attendance

Attendance is recommended.

Additional Information:

Grades. Grading will be in accord with the UF policy stated at <https://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx>. Also see the current UF policy on assigning grade points.

Academic Honesty. The course will be conducted in accordance with the University honor code and academic honesty policy.

UF students are bound by The Honor Code Pledge which states, "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** specifies a number of behaviors that are in violation of this code and the possible sanctions. Furthermore, you are obligated to report any condition that facilitates academic misconduct to appropriate personnel. If you have questions or concerns please consult with the instructor.

Accommodation for students with disabilities. Students with disabilities requesting accommodations should first register with the Disability Resource Center (352-392-8565, <https://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.

Online Evaluations. "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 times when they are open. Summary results of these assessments are available to students at <https://evaluations.ufl.edu/results/>."

Additional Information- Health and Wellness:

U Matter, We Care:

If you or a friend is in distress, please contact ummatter@ufl.edu or 352-392-1575 so that a team member can reach out to the student.

Counseling and Wellness Center:

<https://www.counseling.ufl.edu>; 392-1575; and the University Police Department: 392-1111 or 9-1-1 for emergencies.

Sexual Assault Recovery Services (SARS):

Student Health Care Center, 392-1161.

University Police Department:

392-1111 or 9-1-1 for emergencies, <http://www.police.ufl.edu/>

Additional Information- Academic Resources:

E-learning technical support

352-392-4357 (option 2)
Learningsupport@ufl.edu

Career Connections Center:
Reitz Union, 392-1601.
Career assistance and counseling, <https://career.ufl.edu>

Library Support:
<http://cms.uflib.ufl.edu/ask>

Tentative weekly schedule (TBA)

Week 1: Introduction.



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