Alexandre Turull
Department of Mathematics

College *of* Liberal Arts *and* Sciences

f23-mhf3202-syllabus

MHF 3202 Sets and Logic

Fall 2023

Class number	Period	Meeting Time	Room
24367	MWF 5th	11:45 – 12:35	LIT 127

Professor Alexandre Turull

480 Little Hall
(352) 392-0281 ext 243
turull@ufl.edu

Office Hours

Monday	Tuesday	Wednesday	Thursday	Friday
9:35 – 10:25		9:35 – 10:25		9:35 – 10:25

Also by appointment

Calendar — Lecture topics and their approximate dates.

Homework Problems — List of homework assignments.

Prerequisites:

A UF math course at the 2000 level or above with a minimum grade of C.

Textbook:

The book of proof, by R. Hammack, third edition.

Content:

This course is an introduction to rigorous mathematics. Mathematics is based on precise statements, precise meaning, and precise proofs. The course is an introduction to this basic point of view.

A major emphasis will be on writing mathematics precisely and clearly. Proofs will be an important part of this course.

The catalogue's description of this course is: Examples of sets, operations on sets, set algebra, Venn diagrams, truth tables, tautologies, applications to mathematical arguments and mathematical induction. Taking one, but not both, of MAS 3300 or MHF 3202 is required of mathematics majors. MHF 3202 can also be very useful for prospective and in-service secondary and middle school teachers. (M)

Format:

Lectures. Reading and homework will be assigned and discussed in class.

You are expected to participate in classroom discussions.

Homework will be assigned regularly and discussed in class.
Homework will not be graded. There will be frequent quizzes.

Tests:

There will be four tests and a final exam. The dates appear in the course calendar.

Quizzes:

There will be frequent quizzes.

Final grade:

4 tests	240
final	100
quizzes	60
Total	400

A ≥ 360	C ≥ 280
A- ≥ 346	C- ≥ 266
B+ ≥ 333	D+ ≥ 253
B ≥ 320	D ≥ 240
B- ≥ 306	D- ≥ 226
C+ ≥ 293	E < 226

Students with disabilities

Students with disabilities requesting accommodations should first register with the Disability Resource Center (352-392-8565, https://disability.ufl.edu/) 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.

Attendance policy

Students are expected to attend class regularly.

The UF policy on attendance is here:
https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx

Honor Code

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

Website:

https://people.clas.ufl.edu/turull/f23-mhf3202-syllabus

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