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f20-mat6932-syllabus

MAT 6932 Advanced Topics in Algebra 1

Fall 2020

Section	Period	Meeting Time	Room
2345	MWF 7th	1:55 – 2:45	zoom

Professor Alexandre Turull

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

Office Hours

Monday	Tuesday	Wednesday	Thursday	Friday
10:40 – 11:30		10:40 – 11:30		10:40 – 11:30

Also by appointment

Calendar — Lecture topics and their approximate dates.

Homework Problems — List of homework assignments.

List of articles — List of articles of interest.

Prerequisites:

MAS 6332 (Algebra 2), or equivalent, will be assumed.

Textbook:

Book: Character Theory of Finite Group, by I. M. Isaacs

Description:

In this course, and its continuation in Spring 2021, I would like to cover basic facts that would allow the student to start research in group theory. We will cover basic representation theory. These tools should

also be of interest to students whose research will be elsewhere, but might be using group theory. As is well known, group theory is used throughout mathematics.

I would like to have the students reading and presenting research papers in class.

The exact topics to be covered will include both some of the basic ideas and results, as well as other more advanced topics which will depend in part on student interest and participation.

Format:

Lectures. Reading and homework will be assigned and discussed in class. Students will present research papers.

You are expected to participate in classroom discussions.

Homework will be assigned regularly and discussed in class.
There will be no quizzes or tests.

Students with disabilities

Students with disabilities requesting accommodations should first register with the Disability Resource Center (352-392-8565, http://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.

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/f20-MAT6932-syllabus

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