MAT6932-1982(24519) - Spec Topics in Math

Course: Elementary differential equations MAT6932, section 1982, course number **24519**
Meeting time and place: LIT 0217, MWF 5th period
Instructor: Jindrich Zapletal
Office: 456 Little Hall, office hours MWF 5:00--6:00pm
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Textbook.

We will follow the book Ralf Schindler: Set Theory up to page 126 (available in the UF library as an e-book). Other possible resources include Thomas Jech: Set Theory (also available in the UF library as an e-book) or Kenneth Kunen: Set Theory (both old and revised editions are fine). Jech's book covers much, much more material than what we can manage in this course, but otherwise it is the standard. Schindler's book reflects the material and the level of detail of this course better than the two other options.

Brief description.

The course is divided into three parts. In the first part, we introduce the axioms of set theory and the axiomatic method, ordinals, cardinals, and transfinite induction and recursion. In the second part, we cover Goedel's constructible universe. In the third part, we develop Cohen's method of forcing. In particular, the students will learn how to prove independence of the Continuum Hypothesis from the other axioms of set theory.

Grading system.

There will be three take-home exams corresponding to the three parts of the course outlined above. The dates are TBA at the moment; the students will have at least a week for each of the exams. The three exams will have equal weight in determining the total weight.

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 (Links to an external site.).

Students are expected to provide professional and respectful feedback on the quality of instruction in this course by completing course evaluations online via GatorEvals. Guidance on how to give feedback in a professional and respectful manner is available here (Links to an external site.). Students will be notified when the evaluation period opens, and can complete evaluations through the email they receive from GatorEvals, in their Canvas course menu under GatorEvals, or via this link (Links to an external site.). Summaries of course evaluation results are available to students here (Links to an external site.).

Students with disabilities requesting accommodations should first register with the UF Disability Resource Center (352.392.8565) by providing appropriate documentation. Once registered, students will receive an accommodation letter which must be presented to the instructor when requesting accommodations. Students with disabilities should follow this procedure as early as possible in the semester.

The UF Religious Holidays Policy is available [here. (Links to an external site.)](#)

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 (Links to an external site.)](#) 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 any questions or concerns, please consult with the instructor or TAs in this class.