

MATH 3430-02 SPRING 2019 SYLLABUS

Course Title: Ordinary Differential Equations

Meeting Schedule: MWF 12:00-12:50am

Location: FLMG 103

Instructor: Yuhao Hu

Email: yuhao.hu@colorado.edu

Office: Mathematics 225

Office Hours: TuTh 4:00-5:30pm

Topics: First-order scalar differential equations, n -th order linear differential equations, n -dimensional linear systems of first-order differential equations, the series method, Laplace transforms, phase plane techniques, existence and uniqueness theorems, numerical solutions

Textbook: *Differential Equations and Their Applications (4th Ed.)*, Martin Braun.

(This textbook is available electronically from the CU Library.)

Grading: Your final grade will be based on the following components:

- 30% **Quizzes**,
- 20% **Midterm I** (**12:00-12:50pm, Friday, Feb. 22**),
- 20% **Midterm II** (**12:00-12:50pm, Friday, Apr. 5**),
- 30% **Final Exam** (**TBA**).

Homework: After every lecture, homework questions will be assigned. These will mostly be questions from the textbook. Homeworks will not be collected.

Quizzes: Instead, there will be a homework quiz in class on **every Monday**. Questions on the quizzes will be based on your homework of the previous week. (We'll maintain a homework site to make this clearer.) Please note that these quizzes will amount to **30%** of your final grade.

Ethics: Please read and understand the following policies.

Accommodation for Disabilities

If you qualify for accommodations because of a disability, please submit your accommodation letter from Disability Services to your faculty member in a timely manner so that your needs can be addressed. Disability Services determines accommodations based on documented disabilities in the academic environment. Information on requesting accommodations is located on the [Disability Services website](#). Contact Disability Services at 303-492-8671 or dsinfo@colorado.edu for further assistance. If you have a temporary medical condition or injury, see [Temporary Medical Conditions](#) under the Students tab on the Disability Services website.

Classroom Behavior

Students and faculty each have responsibility for maintaining an appropriate learning environment. Those who fail to adhere to such behavioral standards may be subject to discipline. Professional courtesy and sensitivity are especially important with respect to individuals and topics dealing with race, color, national origin, sex, pregnancy, age, disability, creed, religion, sexual orientation, gender identity, gender expression, veteran status, political affiliation or political philosophy. Class rosters are provided to the instructor with the student's legal name. I will gladly honor your request to address you by an alternate name or gender pronoun. Please advise me of this preference early in the semester so that I may make appropriate changes to my records. For more information, see the policies on [classroom behavior](#) and the [Student Code of Conduct](#).

Honor Code

All students enrolled in a University of Colorado Boulder course are responsible for knowing and adhering to the Honor Code. Violations of the policy may include: plagiarism, cheating, fabrication, lying, bribery, threat, unauthorized access to academic materials, clicker fraud, submitting the same or similar work in more than one course without permission from all course instructors involved, and aiding academic dishonesty. All incidents of academic misconduct will be reported to the Honor Code (honor@colorado.edu; 303-492-5550). Students who are found responsible for violating the academic integrity policy will be subject to nonacademic sanctions from the Honor Code as well as academic sanctions from the faculty member. Additional information regarding the Honor Code academic integrity policy can be found at the [Honor Code Office website](#).

Sexual Misconduct, Discrimination, Harassment and/or Related Retaliation

The University of Colorado Boulder (CU Boulder) is committed to fostering a positive and welcoming learning, working, and living environment. CU Boulder will not tolerate acts of sexual misconduct (including sexual assault, exploitation, harassment, dating or domestic violence, and stalking), discrimination, and harassment by members of our community. Individuals who believe they have been subject to misconduct or retaliatory actions for reporting a concern should contact the Office of Institutional Equity and Compliance (OIEC) at 303-492-2127 or cureport@colorado.edu. Information about the OIEC, university policies, [anonymous reporting](#), and the campus resources can be found on the [OIEC website](#).

Please know that faculty and instructors have a responsibility to inform OIEC when made aware of incidents of sexual misconduct, discrimination, harassment and/or related retaliation, to ensure that individuals impacted receive information about options for reporting and support resources.

Religious Holidays

Campus policy regarding religious observances requires that faculty make every effort to deal reasonably and fairly with all students who, because of religious obligations, have conflicts with scheduled exams, assignments or required attendance. In this class, you need to inform the instructor at least **two weeks** before such a time conflict takes place.