

DEPARTMENT OF MATHEMATICS  
**COURSE INFORMATION FOR MATH 3113–003**  
*Introduction to Ordinary Differential Equations*  
*Spring 2023*

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Instructor: Dr. Emily Gunawan  
E-mail: [egunawan@ou.edu](mailto:egunawan@ou.edu)  
Drop-in Office Hours: Tue & Thurs: 11:15-11:50 & 1:15-1:50 (also by appointment)  
at the [OU Math Center PHSC 232, Purple Area](#)  
Lectures: Tue & Thurs 12-1:15 pm, at PHSC 108 (Physical Science Ctr 108).

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**Prerequisites:** MATH 2423 or MATH 2924.

**Text:** *Differential Equations and Boundary Value Problems (5/e)*, by C. H. Edwards, D. E. Penney, and C. Calvis, Pearson, 2014, ISBN 9780321796981.

**The information in this syllabus is subject to adjustments during the semester. These adjustments will be announced in class and posted on Canvas.**

**Use of calculators:** Calculators will not be allowed in exams and quizzes, since they will not be necessary. You may, if you wish, use calculators or computer software while working on the homework.

**Grading:** The following are the weights for each group of assignments:

WebWork	10%
Written homework	10%
Quizzes	10%
Three midterm exams	15% each
Final exam	25%

The following grading scale will be applied:

A 90% – 100%, B 80% – 89%, C 70% – 79%, D 60% – 69%

**Written homework:** A set of problems will be assigned regularly. You are expected to write complete, detailed solutions. The quality of the exposition will be evaluated. This homework will be due on Gradescope (links will be provided on Canvas for every assignment).

**WebWork:** In addition to the written homework, you will be regularly be assigned auto-graded assignments on a free web-based platform called WebWork. Its purpose is to give instant feedback as to the correctness of your answers. If your answer is not correct, you may redo the problem as many times as needed until the closing time of the assignment.

You sign into WebWork through “Canvas Assignments” to complete the Webwork assignments. Please ask questions about Webwork after class or at the OU Math Center PHSC 232, Purple Area ([ou.edu/cas/mathcenter](http://ou.edu/cas/mathcenter)).

Note: You will still be able to work on a Webwork assignment for another week after the due date. You will receive 80% credit for the work done between the due date and the close date.

**Quizzes:** Roughly every other week, there will be a short in-class quiz. Quiz paper and scratch paper will be provided — you only need to bring a pen or a pencil. Each quiz will focus on the material covered after the previous quiz but you may need to remember older material. The lowest quiz score will be dropped.

**Exams:** There will be three in-class midterm exams (50 minutes) and a comprehensive final exam (2 hours). The exams will be closed-book, and no calculators are allowed. Exam paper and scratch paper will be provided — you only need to bring a pen or a pencil.

**Attendance:** Attendance is required during the in-class exams and quizzes; attendance during other class periods is strongly recommended.

**Some important dates:**

- Midterm exam 1: **Tue, February 16, 2023**
- Spring Vacation (“week 9”): March 11-19, 2023
- Midterm exam 2: **Tue, March 30, 2023**
- Midterm exam 3: **Tue, April 27, 2023**
- Last day to drop with an automatic “W” (Withdraw): April 14, 2023
- Final exam: **Tue, May 9, 2023 at 1:30-3:30 pm**
- URL link: [OU Spring 2023 Academic Calendar](#)

**Policy on W/I grades:** On or before April 14, you can withdraw from the course with an automatic “W”. Dropping after April 18 requires a petition to the Dean.

The grade of “I” (Incomplete) is not intended to serve as a benign substitute for the grade of “F”. The “I” grade will only be given if a student has completed the majority of the work in the course (for example everything except the final exam), the coursework cannot be completed because of compelling and verifiable problems beyond the student’s control, and the student expresses a clear intention of making up the missed work as soon as possible.

**Academic misconduct:** All cases of suspected academic misconduct will be reported to the Office of Academic Integrity Programs as possible violations of University’s Academic Integrity Code. If the violation is confirmed by the Academic Integrity Program’s Office, the penalties can be quite severe, so the best advice is **Don’t do it!** For more details on the University’s policies concerning academic misconduct consult the link [ou.edu/integrity/students](#). This link also has information about admonitions (essentially warnings about potential misconduct) and your rights to appeal charges of academic misconduct.

Students are also bound by the provisions of the *OU Student Code*, see [ou.edu/studentconduct](#).

**Students with disabilities:** The Accessibility and Disability Resource Center (ADRC) is committed to supporting students with disabilities to ensure that they are able to enjoy

equal access to all components of their education. This includes your academics, housing, and community events. If you are experiencing a disability, a mental/medical health condition that has a significant impact on one or more life functions, you can receive accommodations to provide equal access. Possible disabilities include, but are not limited to, learning disabilities, AD(H)D, mental health, and chronic health. Additionally, we support students with temporary medical conditions (broken wrist, shoulder surgery, etc.) and pregnancy. To discuss potential accommodations, please contact the ADRC at 730 College Avenue by phone 405.325.3852 (voice) or 405.217.3494 (VP), and by email [adrc@ou.edu](mailto:adrc@ou.edu). Go to [ou.edu/adrc](http://ou.edu/adrc) for more information.

**Student Success Center:** The Student Success Center (SSC) is a resource for current students majoring in the Dodge Family College of Arts and Sciences (DFCAS). The SSC can assist students with the following: general questions, academic success strategies, finding campus involvement opportunities, major/internship/career exploration and planning, navigating campus resources, student advocacy, etc. Additionally, various events promoted and/or sponsored by the SSC will be held throughout the academic year. You can find more information here: [ou.edu/cas/students/student-success-center](http://ou.edu/cas/students/student-success-center)

**Discrimination, Bias, Harassment:** The 24-hour reporting hotline [OU Report It!](#) serves as an added protection for OU students, handling reports of bias, discrimination, physical or mental harassment or misconduct by OU community members. It provides a simple and anonymous way for employees, students, and community members to report concerns related, but not limited, to: Human Resources, Academics, Safety, Student Affairs, Accounting and Financial, Regulatory/Policy Compliance, Institutional Equity, Athletics and Research. The 24-hour Reporting Hotline can be accessed by calling 844.428.6531 or going online to [ou.ethicspoint.com](http://ou.ethicspoint.com). For more, visit [ou.edu/eoo](http://ou.edu/eoo)

**Land Acknowledgment:** See [ou.edu/cas/nas/land-acknowledgement-statement](http://ou.edu/cas/nas/land-acknowledgement-statement)

**Mental Health Support Services:** Counseling is available at the University Counseling Center located on the second floor of the Goddard Health Center at 620 Elm, Rm. 201. To schedule an appointment call (405)325-2911. For more, visit <https://www.ou.edu/ucc>

**Pregnancy/Childbirth Accommodations:** Should you need modifications or adjustments to your course requirements because of documented pregnancy-related or childbirth-related issues, please contact your professor as soon as possible to discuss. Generally, modifications will be made where medically necessary and similar in scope to accommodations based on temporary disability. For more, [ou.edu/eoo/faqs/pregnancy-faqs](http://ou.edu/eoo/faqs/pregnancy-faqs)

**Recording:** Class sessions of this course will typically be *not* recorded, with the exception of emergency situations. If and whenever they are, students may not share any course recordings with individuals not enrolled in the class nor are they to upload recordings to any other online environment.