

**MAP2302: Elementary Differential Equations**  
**MTWRF Period 2 (9:30 AM - 10:45 AM) Room: LIT205**

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- **Instructor:** Himanshu Yadav, Little Hall 475, yadav.himanshu@ufl.edu
- **Office Hours:** MW 10:50am-11:40am.
- **Textbook:** Fundamentals of Differential Equations, 9th Edition, by R. Kent Nagle, Edward B. Saff and Arthur David Snider.
- **Prerequisites:** Grade C or better in MAC 2313, MAC 2512 or MAC 3473.
- **Description:** This course is designed to serve students in engineering, physics, mathematics and related disciplines with the goal of understanding qualitatively, applying, and solving ordinary differential equations of the most usual types.
- **Course content:** This course presents techniques for solving and approximating solutions to ordinary differential equations. We will cover the following topics: Introduction to Differential Equations (Ch 1), Methods for Solving First Order ODEs (Ch 2), Linear Second Order Equations (Ch 4), The Laplace Transform (Ch 7), and Series Solutions (Sections 8.1-8.4). Some applications will also be covered.
- **Homework assignments:** There will be several homework assignments. The test questions will be similar but different to homework problems. Please do all homework problems independently.
- **Exams:** There will be six in class exams as follows every Friday:
  - a) Exam 1: 7/1, Friday.
  - b) Exam 2: 7/8, Friday.
  - c) Exam 3: 7/15, Friday.
  - d) Exam 4: 7/22, Friday.
  - e) Exam 5: 7/29, Friday.
  - f) Exam 6: 8/5, Friday.
- **Grade Policy:** Grades are determined by 4 exams out of 6 exams, the lowest 2 exam scores would be dropped.
- **The grade scale is as follows:**
  - A [90, 100]
  - A- [87, 90)
  - B+ [84, 87)
  - B [80, 84)
  - B- [77, 80)
  - C+ [74, 77)
  - C [70, 74)
  - C- [67, 70)
  - D+ [64, 67)
  - D [60, 64)
  - D- [57, 60)
  - E [0, 57)

- **Attendance Policy:** Makeup exams will only be given in case of documented illness or for students participating in official College events. All late work will be penalized. Students will NOT be given the opportunity to complete old assignments at the end of the semester to improve their grades. Requirements for class attendance and make-up exams, assignments, and other work in this course are consistent with university policies that can be found at:  
<https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx>
- **Online course evaluation:** 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 at:  
<https://gatorevals.aa.ufl.edu/students/>.  
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 <https://ufl.bluera.com/ufl/>. Summaries of course evaluation results are available to students at <https://gatorevals.aa.ufl.edu/publicresults/>.
- **Academic Honesty:** 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 UF honor code is available here:  
<https://www.dso.ufl.edu/sccr/process/student-conduct-honor-code/>
- **Students with Disability:** Students with disabilities who experience learning barriers and would like to request academic accommodations should connect with the disability Resource Center by visiting [disability.ufl.edu/students/get-started](http://disability.ufl.edu/students/get-started). It is important for students to share their accommodation letter with their instructor and discuss their access needs, as early as possible in the semester
- **Resources:** Free tutoring is available at the Teaching Center which is located on the ground level of SW Broward Hall. The regular hours are Monday-Friday, 8am-5pm. Please check the website: <http://www.teachingcenter.ufl.edu/> for any changes.

*\* I reserve the right to make changes to this syllabus if needed. Please check Canvas for changes*