

# MAP 2302 Elementary Differential Equations - Section 4787

Summer B

MTWRF Period 4 (Time 12:30-1:45 PM) Room LIT 205

**Instructor:** Puja Pandey  
**Email:** puja.pandey@ufl.edu  
**Office:** LIT 489

**Course Description:** First-order ordinary differential equations, theory of linear ordinary differential equations, solution of linear ordinary differential equations with constant coefficients, the Laplace transform and its application to solving linear ordinary differential equations.

**Prerequisites:** MAC 2312, MAC 2512 or MAC 3473 with a minimum grade of C.

**Textbook:** R. Kent Nagle, Edward B. Saff and Authur David Snider. Fundamentals of Differential Equations. 9 th Edition. (Pearson) (2018). ISBN 978-0321977069 Older editions and editions with boundary value problems also acceptable. 7 th Edition ISBN: 978-0321977106

**Office Hours:** Period 5 on Monday and Wednesday.

**Grades:**

|                     |    |   |
|---------------------|----|---|
| Quizzes             | 48 | Lowest two scores dropped   |
| Exams               | 30 | Lowest score replaced by final exam score (if it is higher)         |
| Homework            | 16 | Collect any 4 homeworks, always come to the class with the homework |
| Class participation | 6  | Based on lecture participation                                      |

We will use the following scale:

- A [90,100]
- B [80,83]
- C [68,73]
- D [57,62]
- A [87,90]
- B-[77,80]
- C-[64,68]
- D-[55,57]
- B+ [83,87]
- C+[73,77]
- D+[62,64]
- E [0,55]

**Quizzes:** Quizzes will be done in class.

**Class Participation Points:** You may earn a credit for participating in the class. Exams: There will be 3 midterm exams in addition to the final exam. The exam dates are provided on the course schedule. Exams will be taken in class.

**Homework:** 4 homeowrks will be collected in total. You should come to the class with homework.

**Final Exam:** August 5

**Attendance Policy:** Registration in this course obligates the student to be regular and punctual in class attendance. 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>

**Calculator Policy:** You may need a scientific calculator, or graphing calculators to help with homework questions. Calculators will not be allowed on exams.

**Online course evaluation:** Students are expected to provide feedback on the quality of instruction in this course based on 10 criteria. These evaluations are conducted online at <https://evaluations.ufl.edu>

**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. <https://disability.ufl.edu/get-started/> to get started with the Disability Resource Center. 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 change anything in this syllabus if needed. Please check Canvas for changes.**

# June 2022

| MON                  | TUE                  | WED                       | THU            | FRI | SAT | SUN |
|----------------------|----------------------|---------------------------|----------------|-----|-----|-----|
|                      |                      | 1                         | 2              | 3   | 4   | 5   |
| 6                    | 7                    | 8                         | 9              | 10  | 11  | 12  |
| 13                   | 14                   | 15                        | 16             | 17  | 18  | 19  |
| 20                   | 21                   | 22                        | 23             | 24  | 25  | 26  |
| 27<br>L1 : 1.1 / 1.2 | 28<br>L2 : 1.3 / 1.4 | 29<br>L3 : 2.2 (Quiz - 1) | 30<br>L4 : 2.3 |     |     |     |
|                      |                      |                           |                |     |     |     |

EditableCalendar.Com

# July 2022

| MON                           | TUE                  | WED                            | THU                               | FRI                           | SAT | SUN |
|-------------------------------|----------------------|--------------------------------|-----------------------------------|-------------------------------|-----|-----|
|                               |                      |                                |                                   | 1<br>L5: 2.4 (Quiz - 2)       | 2   | 3   |
| 4                             | 5<br>L6 : 2.5        | 6<br>L7 : 2.6                  | 7<br>L8 : 3.2 - 3.4<br>(Quiz - 3) | 8<br>Review                   | 9   | 10  |
| 11<br>EXAM 1                  | 12<br>L9 : 4.1 / 4.2 | 13<br>L10 : 4.3 / 4.9          | 14<br>L11 : 4.4<br>(Quiz - 4)     | 15<br>L12 : 4.5               | 16  | 17  |
| 18<br>L13 : 4.6<br>(Quiz - 5) | 19<br>L14 : 4.7      | 20<br>L15 : 4.10<br>(Quiz - 6) | 21<br>Review                      | 22<br>EXAM 2                  | 23  | 24  |
| 25<br>L16 : 7.1 / 7.2         | 26<br>L17 : 7.3      | 27<br>L18 : 7.4<br>(Quiz - 7)  | 28<br>L19 : 7.5                   | 29<br>L20 : 7.6<br>(Quiz - 8) | 30  | 31  |
|                               |                      |                                |                                   |                               |     |     |

EditableCalendar.Com

# August 2022

| MON            | TUE                  | WED         | THU         | FRI             | SAT | SUN |
|----------------|----------------------|-------------|-------------|-----------------|-----|-----|
| 1<br>L21 : 7.7 | 2<br>L22 : 7.8 / 7.9 | 3<br>EXAM 3 | 4<br>REVIEW | 5<br>FINAL EXAM | 6   | 7   |
| 8              | 9                    | 10          | 11          | 12              | 13  | 14  |
| 15             | 16                   | 17          | 18          | 19              | 20  | 21  |
| 22             | 23                   | 24          | 25          | 26              | 27  | 28  |
| 29             | 30                   | 31          |             |                 |     |     |
|                |                      |             |             |                 |     |     |

EditableCalendar.Com