



## MAP 2302 Differential Equations Section 3142 (15300)

- **Instructor:** Sergei S. Pilyugin
- **Course web page:** [https://people.clas.ufl.edu/pilyugin/courses/map2302\\_s2020/](https://people.clas.ufl.edu/pilyugin/courses/map2302_s2020/)
- **Announcements:**

I do not use CANVAS. This page will be the only online source for this course. All announcements will be posted here.

You are responsible for all announcements made in class which could include changes in exam dates and material covered.

- **Prerequisites:** Grade of C or better in MAC 2312 or MAC 3473
- **Time and Room:** MWF 3 (9:35 – 10:25 a.m.), LIT 233.
- **Textbook:** Fundamentals of Differential Equations and Boundary Value Problems, 8th ed., by Nagle, Saff, and Snider.
- **Critical dates:** Jan. 6 (classes begin), Apr. 22 (classes end). Midterms: M1 – 01/31, M2 – 02/28, M3 – 03/20, M4 – 04/17.
- **Holidays:** Jan. 20 (MLK Day), Feb. 29– Mar. 7 (Spring Break).
- **Office Hours:** MWF6 (12:50-1:40 p.m.) in LIT 458, or by appointment made 24 hours in advance. Please, call me at 352-294-2326 or use e-mail: [pilyugin@ufl.edu](mailto:pilyugin@ufl.edu) for communication. For more details, see my [schedule](#).
- **Description and Objectives of the Course:** This course introduces basic concepts of differential equations and presents analytical tools for solving these. Some classical applications are discussed in detail. The course covers chapters 1, 2, 4, 6, 7, and 8 (if time permits).
- **Grading System:** There is no final exam for this course. The grade is determined by the cumulative score on 4 midterms (25 points each) that are based on homework problems. The letter grade is determined according to the following table

Letter Grade	A	A-	B+	B	B-	C+	C	C-	D+	D
Score	≥ 92	≥ 89	≥ 85	≥ 81	≥ 77	≥ 72	≥ 67	≥ 62	≥ 56	≥ 50

- **Course policies:**
- **Closed-book policy:** No use of calculators, notes or books is allowed during in-class tests.
- **Grading disputes:** Any issues or questions about the grading of exams must be brought to the instructor's attention within one week after the exams are returned to the class.

- Excused absences: In certain circumstances a student will be able to make up a missed exam. These circumstances could include medical situations, family emergencies, travel for University activities (eg. band, debating club, etc), and religious observances. In these cases the student must inform the instructor before or within one week after the missed work and **provide written documentation**.
- Policy on class attendance: 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>  
Most students benefit a great deal from attending class regularly. Arriving late and/or leaving early, reading the newspaper, looking at your cell phone, etc. disrupts the class and is rude and unprofessional.
- UF Honor Code: "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 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 TA's in this class."
- For students with disabilities: "Students with disabilities requesting accommodations should first register with the Disability Resource Center (352-392-8565, <https://www.dso.ufl.edu/drc/>) by providing appropriate documentation. Once registered, students will receive an accommodation letter which must be presented to the instructor when requesting accommodation. Students with disabilities should follow this procedure as early as possible in the semester."
- Online evaluations: 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/public-results/>.
- Contact information for the Counseling and Wellness Center: <https://counseling.ufl.edu/>, 392-1575; and the University Police Department: 392-1111 or 9-1-1 for emergencies.

Homework problems by section:

#### ch1

1.2: 1–14, 16, 17, 20, 23;

#### ch2

2.2: 1–26, 33, 34, 36, 38;

2.3: 1–20, 22, 29, 30, 35, 39;

2.4: 1–26, 28, 33;

2.5: 1–16;

2.6: 1–40;

2.Review: 1–40;

#### ch4

4.1: 1–9;  
4.2: 1–20, 27–34, 37–41;  
4.3: 1–29;  
4.4: 1–36;  
4.5: 1–40;  
4.6: 1–18;  
4.7: 1–22, 24, 37–48;  
4.Review: 1–36;

#### ch6

6.1: 7–22;  
6.2: 1–21;  
6.3: 1–33;  
6.4: 1–6;  
6.Review: 1–10;

#### ch7

7.2: 1–28;  
7.3: 1–20;  
7.4: 1–32;  
7.5: 1–28;  
7.6: 1–40;  
7.7: 1–28;  
7.8: 1–28;  
7.9: 1–19;  
7.Review: 1–17, 19–36;  
8.2: 1–6, 11–14, 23–34;

