

MAP2302 – Syllabus

COURSE INFORMATION

- SCHEDULE:
Section 0002- TR 9:30 AM – 10:45 AM
Section 0003- TR 11:00 AM – 12:15 PM

COURSE INSTRUCTOR

- Dr. Kelsey Gasior (kgasior@fsu.edu)
- OFFICE HOURS: Wednesdays 8:30 AM – 11:30 AM

COURSE DESCRIPTION

This course will discuss theory, methods, and applications of Ordinary Differential Equations (ODEs). We will cover first-order, second-order, and higher-order linear equations. We will then introduce power series solutions and (if time allows) the Laplace transform.

ELIGIBILITY

Students must have the course prerequisites listed below and must never have completed with a grade of C- or better a course for which MAP 2302 is a (stated or implied) prerequisite. The course is not open to students with credit in MAP 3305. It is the student's responsibility to check and prove eligibility.

- PREREQUISITES: Students must have passed either MAC2312 (Calculus II) with a grade of B- (or better), **OR** MAC2313 (Calculus III) with a grade of C- (or better).

LEARNING OBJECTIVES

The purpose of this course is to introduce students to solution methods for Ordinary Differential Equations and their applications. The material in this course should be mastered before the student proceeds to courses for which it is a prerequisite.

COURSE MATERIALS

- The textbook for MAP 2302 is Elementary Differential Equations and Boundary Value Problems by William E. Boyce, Richard C. DiPrima, and Douglas B. Meade, 11th Edition.
- Scientific and graphing calculators may be used on homework assignments.

COURSE CONTENT

MAP2302 covers sections from Chapters 1, 2, 3, 5, 6.

GRADING POLICY

There will be two unit Tests, weekly Homework, and a Final exam. Numerical course grades will be determined according to the formula:

$$0.4*H + 0.3*T + 0.3*F$$

where T = test grades average, H = homework grades average, and F= final exam grade.

Letter grades will be determined from numerical grades as follows:

A: 94-100, A-: 90-93, B+: 87-89, B: 83-86, B-: 80-82, C+: 77-79, C: 73-76, C-: 70-72, D+: 67-69, D: 63-66, D-: 60-62, F: 0-59.

A grade of I will not be given to avoid a grade of F or to give additional study time. Failure to process a course drop will result in a course grade of F.

COURSE POLICIES

Policy for Attendance

This class is scheduled to meet on Tuesdays and Thursdays. All meetings will occur virtually. Each Monday, I will post lecture videos to Canvas for students to watch. The following Tuesday (7 days later), I will use the class period as a problem session to go over extra problems related to the previous week's videos. Students are not required to attend these problem sessions but I will **not** post the notes from these sessions on canvas.

We will not meet on Thursdays.

Policy for Homework

Homework worksheets will be posted on Canvas every Friday by 10 AM. The completed homework must be turned in the following Friday by 10 AM via Canvas. Students may work in groups of 5 or less and must list all group members on their assignment. Groups that span both sections of my course are acceptable, so long as they do not include more than 5 members. Each student is responsible for turning in their own assignment. A student who is listed on another student's assignment as a group member but does not turn in his/her own work will receive a 0. Any homework assignments turned between 10 AM and midnight on Friday will receive a 50% reduction in credit. You are not required to print off the homework sheet, but you must turn ONE document that contains ALL pages of work. I recommend using an app such as Genius Scan. Pages / problems must be in order to receive full credit. Failure to do so will result in a 10% reduction in credit. After that, the grade stands as a 0. The lowest homework score will be dropped. Please note that the schedule is tentative and liable to change; be sure to check it regularly to track any and all changes.

Policy for Tests

Tests will be held on **Thursday October 1st and Thursday November 12th** during the regularly scheduled class time. **EXAM MUST BE TAKEN BY YOURSELF.** Tests will be uploaded to canvas at the start of the class period. The student will then have 75 minutes to complete the test + an additional 15 minutes to upload their assignment to Canvas. After the initial 15 minute grace period, every hour that the exam is late will result in a 20% reduction in credit. You are not required to print off the exam, but you must turn ONE document that contains ALL pages of work. I recommend using an app such as Genius Scan. Pages / problems must be in order to receive full credit. Failure to do so will result in a 10% reduction in credit.

Students must provide advance notice of absences (when possible) as well as relevant documentation regarding absences to the instructor as soon as possible following the illness or event that led to an absence. Regardless of whether an absence is excused or unexcused, the student is responsible for making up all work that is missed. If a student knows of a scheduled FSU-excused absence for one of the test (or quiz) dates, it is the student's responsibility to let the instructor know as soon as possible.

See the "University Attendance Policy" below for acceptable reasons for an excused absence.

A medical excuse must state explicitly that the holder should be excused from class. Note that students will not be given excused absences to attend family functions or other non-academic events. Official University activities include official events at which the student is representing the University, such as athletic competitions and academic activities sponsored by a student's academic department or college. Registered Student Organizations (RSO's) and Greek Life activities are not considered official university activities.

If a test absence is excused, a make-up exam will be arranged. An unexcused absence from a unit test will result in a grade of 0. Students will have the opportunity of replacing their lowest test score with their Final score (if higher).

Policy for Final

This Final exam is scheduled and written in compliance with the University's Final exam regulations. EXAM MUST BE TAKEN BY YOURSELF. The Final exam will be cumulative. Students will have the opportunity of replacing their lowest Test score with their Final score (if higher). The student will then have 2 hours to complete the test + an additional 15 minutes to upload their assignment to Canvas. After the initial 15 minute grace period, every hour that the exam is late will result in a 20% reduction in credit. You are not required to print off the exam, but you must turn ONE document that contains ALL pages of work. I recommend using an app such as Genius Scan. Pages / problems must be in order to receive full credit. Failure to do so will result in a 10% reduction in credit.

FINAL EXAM SCHEDULE:

- Section 0002: Wednesday, December 9th, 7:30 AM – 9:30 AM
- Section 0003: Tuesday, December 8th: 8:00 PM – 10:00 PM

Technology Requirements

Course content is accessible through Canvas. Students will need to be able to view videos, write and upload assignments, post to discussion boards, and take assessments. Students should have access to high-speed internet and updated software. Mobile devices may be used to view course content, upload assignments, and take assessments as determined by the instructor. To view the most current technology requirements, visit the FSU Canvas support site (<http://distance.fsu.edu/canvas/>) .

Canvas Support

Need help with Canvas? Contact FSU Canvas Support:

Email: help@campus.fsu.edu (<mailto:help@campus.fsu.edu>)

Phone: (850) 644-8004

Website: distance.fsu.edu/canvas (<http://distance.fsu.edu/canvas/>)

Hours: 8am to 5pm, Monday - Friday

University Attendance Policy

Excused absences include documented illness, deaths in the family and other documented crises, call to active military duty or jury duty, religious holy days, and official University activities. These absences will be accommodated in a way that does not arbitrarily penalize students who have a valid excuse. Consideration will also be given to students whose dependent children experience serious illness.

Academic Honor Policy

The Florida State University Academic Honor Policy outlines the University's expectations for the integrity of students' academic work, the procedures for resolving alleged violations of those expectations, and the rights and responsibilities of students and faculty members throughout the process. Students are responsible for reading the Academic Honor Policy and for living up to their pledge to "...be honest and truthful and... [to] strive for personal and institutional integrity at Florida State University." (For more details see the FSU Academic Honor Policy and procedures for addressing alleged violations (<http://fda.fsu.edu/academic-resources/academic-integrity-and-grievances/academic-honor-policy>) .

Americans with Disabilities Act

Students with disabilities needing academic accommodation should (1) register with and provide documentation to the Student Disability Resource Center and (2) bring a letter to the instructor indicating the need for accommodation and what type. Please note that instructors are not allowed to provide classroom accommodation to a student until appropriate verification from the Student Disability Resource Center has been provided. This syllabus and other class materials are available in alternative format upon request. For more information about services available to FSU students with disabilities, contact the:

Student Disability Resource Center

(<http://www.disabilitycenter.fsu.edu>)

874 Traditions Way

108 Student Services Building

Florida State University

Tallahassee, FL 32306-4167

(850) 644-9566 (voice)

(850) 644-8504 (TDD)

Email: sdrc@admin.fsu.edu

Free Tutoring from FSU

On-campus tutoring and writing assistance is available for this course at Florida State University. For more information, visit the Academic Center for Excellence (ACE) Tutoring Services' (<http://ace.fsu.edu/tutoring>) comprehensive list of on-campus tutoring options - email: tutor@fsu.edu. High-quality tutoring is available by appointment and on a walk-in basis. These services are offered by tutors trained to encourage the highest level of individual academic success while upholding personal academic integrity.

Syllabus Change Policy

Except for changes that substantially affect implementation of the evaluation (grading) statement, this syllabus is a guide for the course and is subject to change with advance notice.