MAP 2302

Jeramiah Hocutt

Summer 2017

Contents

1 Course Description

MAP 2302 is a 3 credit course which gives the basic knowledge necessary for understanding, applying, and solving differential equations of the most usual types. Topics covered include: first order methods (separability, exactness, integrating factors, first order linear equations, Bernoulli equations); higher order constant coefficient equations (including particular solutions and general solutions); Laplace transform methods; and (time permitting) power series solutions and linear algebra techniques. Applications to physical problems will be included at various points in the course.

1.1 Prerequisites

A grade of C or better in MAC 2312, MAC 2512 or MAC 3473.

1.2 Course Materials

Fundamentals of Differential Equations and Boundary Value Problems, 8th Edition, by Nagle, Saff, and Snider

1.3 Online Resources

Grade will be posted in Canvas. (`elearning.ufl.edu`)

2 Course Assignments

2.1 Homework

There will be homework assigned after each class. Students are encouraged to keep up and complete the homework as the course moves along. Summer courses progress rapidly. Two homework problems will be collected every Tuesday and Thursday. These problems will be announced at least one class period prior to collection. Each collected problem is worth one point. A total of 22 problems will be collected but a maximum of 20 points can be attributed to the final grade.

2.2 Quizzes

There will be 6 quizzes given throughout the semester. They will be announced at least one class period prior. Each quiz is worth 8 points, but a maximum of 40 points can be attributed to the final grade. There are <u>no</u> makeups for quizzes.

2.3 Exams

There will be 2 Exams throughout the semester. If there are two exams, these will be held in the afternoon midway and at the end of the semester. Each exam will be worth 20 points.

3 Grades

3.1 Point Totals

Graded Item	Point Value
Homework	20
Quizzes	40
Exams	40
Total Points	100

3.2 Letter Grade Breakdown

Letter Grade	Point Range
A	Above 90
B+	$87 - 89$
B	$80 - 86$
C+	$77 - 79$
C	$70 - 76$
D+	$67 - 69$
D	$60 - 66$
E	Below 60

3.3 Makeup/Drop Policies

If you have a documented scheduling conflict due to an official University of Florida event, such as an exam in another class, contact the instructor with documentation <u>at least one week in advance</u> <u>of the exam</u>. If you miss an exam due to a medical emergency, contact the instructor <u>immediately</u>. If the exam is to be missed for another reason outlined in the UF policy (`https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx`), you must contact the instructor at the earliest opportunity to discuss the possibility of a makeup. You must be able to provide proper documentation.

3.4 Attendance Policy

Attendance is strongly advised, but not required. This is a 6 week course and as such progresses rapidly. Missing a couple days could mean missing 2-3 lectures.

3.5 Incomplete Policy

A grade of I (incomplete) will be considered only if you meet the Math Department criteria which is found at `http://www.math.ufl.edu`. If you meet the criteria you must see the class coordinator before the beginning of finals week to be considered for an I. A grade of I only allows you to make up your incomplete work. You cannot redo any previously completed work.

4 Online Course Evaluation

Students are expected to provide feedback on the quality of instruction in this course by completing online evaluations at `https://evaluations.ufl.edu`. Evaluations are typically open during the last two or three weeks of the semester, but students will be given specific times when they are open. Summary results of these assessments are available to students at `https://evaluations.ufl.edu/results/`.
There are several other free resources available to you:

- The Teaching Center Math Lab, located at SE Broward Hall, offers free informal tutoring. You may want to attend different hours to find the tutors with whom you feel most comfortable. Also the Little 215 Tutoring Center provides free tutoring for courses up to Calculus 1. Go to `http://www.teachingcenter.ufl.edu` to find their hours. You can also request free one-on-one tutoring.

- Textbooks and solution manuals are located at the reserve desks at Marston Science Library.

- The Counseling Center has some information on developing math confidence. Go to `http://www.counseling.ufl.edu/cwc/Developing-Math-Confidence.aspx` for information on math confidence and joining the Academic Confidence Group.

- A list of qualified tutors for hire is available at `http://www.math.ufl.edu`.

5 Honor Code

All students are required to abide by the Academic Honesty Guidelines which have been accepted by the University. The academic community of students and faculty at the University of Florida strives to develop, sustain and protect an environment of honesty, trust and respect. Students are expected to pursue knowledge with integrity.

Violations of the Academic Honesty Guidelines shall result in judicial action and a student being subject to the sanctions in paragraph XIV of the Student Code of Conduct. The conduct set forth hereinafter constitutes a violation of the Academic Honesty Guidelines (University of Florida Rule 6C1-4.017). You may find the Student Honor Code and read more about student rights and responsibilities concerning academic honesty at the link `www.dso.ufl.edu/sccr/`.

6   Students with Disabilities

Students requesting classroom accommodation must first register with the Dean of Students Office `www.dso.ufl.edu/drc/`. The DOS will provide documentation to the student who must then provide this documentation to the course instructor, Jeramiah Hocutt in Little 475, when requesting accommodation. Any accomodations for exams must be submitted <u>no later than</u> two weeks **before** the first exam. If a student does not supply the appropriate documentation in a timely fashion, the instructor may not be able to accommodate the student in a timely manner.