Course Instructor
Dr. Konstantina Christodouloupolou

Office: 370 Little Hall
Live Office Hours: T5, W7, R6 in LIT 370.
Online Office Hours (in CANVAS Conferences): M8, R9

I am also available by appointment either in person or in Conferences in CANVAS.

Open door policy: You are welcome to drop by to discuss any aspect of the course, anytime my door is open.

Phone: 352-294-2315
Email: kchristod@ufl.edu

The course homepage is located in e-Learning CANVAS, http://elearning.ufl.edu/.

IMPORTANT: While taking this class online, you MUST take the exams with ProctorU on the dates shown on the course calendar and you MUST have steady internet access. You may receive a score of ZERO on the test if your internet connection drops during the test, for which a make-up exam may not be offered.
<table>
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<tr>
<th>Sunday</th>
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<tr>
<td>Jan 6</td>
<td>7 L1(1.1)</td>
<td>8</td>
<td>9 L2(1.2)</td>
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<td>13</td>
<td>14 L4(1.4)</td>
<td>15 HW1</td>
<td>16 L5(2.2)</td>
<td>17 HW2</td>
<td>18 L6(2.3)</td>
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<td>20</td>
<td>SYllabusQ, LQ1-3 HW3</td>
<td>21 MLK Holiday</td>
<td>22 HW4 L7(2.4)</td>
<td>23</td>
<td>24 HW5</td>
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<td>27</td>
<td>LQ4-6</td>
<td>28 L8(2.5)</td>
<td>29 HW6</td>
<td>30 L9(2.6)</td>
<td>31 HW7</td>
<td>Feb 1 L10</td>
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<tr>
<td>3 LQ7-9</td>
<td>4 Review</td>
<td>5 HW8&amp;9</td>
<td>6 Review Exam1P</td>
<td>7 EXAM1(L1-9)</td>
<td>8 L11(4.1)</td>
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<td>11 L12(4.2)</td>
<td>12 HW11</td>
<td>13 L13(4.3)</td>
<td>14</td>
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<td>17</td>
<td>LQ11-13 HW12</td>
<td>18 L14(4.4)</td>
<td>19</td>
<td>20 L15(4.5)</td>
<td>21 HW13</td>
<td>22 L16(4.6)</td>
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<td>LQ14-15 HW14</td>
<td>25 L17(4.7)</td>
<td>26 HW15</td>
<td>27 Review</td>
<td>28 HW16</td>
<td>Mar 1 Review</td>
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<td>10</td>
<td>LQ16-17 HW17</td>
<td>11 Review Exam2P</td>
<td>12 EXAM2(L11-17)</td>
<td>13 L18(7.2)</td>
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<td>18 L19(7.3)</td>
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<td>20 L20(7.4)</td>
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<td>LQ19-20 HW19</td>
<td>25 L22(7.6)</td>
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<td>27 L23(7.8)</td>
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<td>LQ21-23 HW21</td>
<td>Apr 1 L24(7.9)</td>
<td>2 HW22</td>
<td>3 Review</td>
<td>4 HW23</td>
<td>5 Review</td>
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<td>7</td>
<td>LQ24 HW24</td>
<td>8 Review Exam3P</td>
<td>9 EXAM3(L18-24)</td>
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<td>12 L26(8.2) W deadline</td>
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<td>14</td>
<td>LQ25</td>
<td>15 L27(8.3)</td>
<td>16</td>
<td>17 L28(8.4)</td>
<td>18 HW25</td>
<td>19 Review Laplace Apps Project Due</td>
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<td>28</td>
<td>FinalP</td>
<td>29 FinalP</td>
<td>30 Final Exam(L1-28)</td>
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Red color indicates exam dates (in Canvas/MyMathLab). Semester exams are open from 5-10PM EST. The cumulative final exam is open 1-10PM EST.
- You should schedule with ProctorU at least a week in advance for a 120 minutes time block for each unit exam and 150 min for the final exam.

Green color ExamP indicates optional practice exams due 11:59PM EST (in MyMathLab and CANVAS)
Blue Color indicates the due dates of required graded assignments on 11:59PM EST (in MyMathlab).
LQ: Lecture Quiz due by 11:59PM EST
1. INTRODUCTION

Course content and objectives: This course presents techniques for solving and approximating solutions to ordinary differential equations. It is primarily for students in disciplines which emphasize methods. We will cover some material from Chapters 1 (Introduction), 2 (First Order ODE), 4 (Second Order ODE), 7 (Laplace Transform), and 8 (Series Solutions).

This is an ONLINE VERSION of MAP2302—all content is delivered online. Students view 28 online lecture videos and complete lecture questions/quizzes in the course management system Canvas and complete online homework using MyMathLab. Students are encouraged to post questions and answers on the course Discussion Board in Canvas. Three semester unit exams and a cumulative final exam are posted in Canvas and administered through ProctorU.

1b PREREQUISITES: MAP2302 assumes that you have essential Calculus 2 (MAC2312) skills necessary to succeed in this course. Students should be able to do the work without a calculator. A grade of C in UF MAC2312 meets the minimum requirement for the course. We encourage students to review the prerequisite material to gain a strong knowledge in order to succeed in Differential Equations.

1c REQUIRED MATERIALS:


MyMathLab Access Code: It includes an access to the ebook and the online homework assignments.

To purchase a MyMathLab access code:

- You have the choice to “opt-in” to MML access and the e-book through CANVAS once classes begin and pay for these materials through your student account. See the Syllabus tab in CANVAS for more details.

Computer Access and Requirements: All assignments should be taken on a computer, not cell phone or tablet, since there may be compatibility issues with CANVAS and MML. Be sure you are using a browser that works with MML.

You are responsible for having access to a working computer and have your work completed on time. Complete and submit your work early. If you wait and run into any difficulties to submit your work, you will be out of luck.

NO CALCULATORS are allowed on quizzes or on the exams. A graphing calculator and Wolframalpha are useful as a study and learning tool when used appropriately, but are not essential.

COURSE CALENDAR: Check the course calendar for due dates and plan your schedule accordingly.

1d CANVAS: UF Online’s course management system, is accessed through elearning.ufl.edu. All course information including the course homepage, syllabus, and exam information are posted on this site. In addition, there is a mail tool and discussion forum for communication.

All grades are posted in Canvas. You are responsible for verifying that those grades are accurate. You have one week after a score has been posted to resolve any grade concerns by contacting your TA. We will not consider these grade disputes at the end of the semester. Please note: Important course information is clearly communicated in this course guide and assignments and course materials are easily accessible through the CANVAS modules. If you cannot find your
answer in the resources above, there is also a Discussion Forum available in Canvas. Please use this to post questions and to supply answers to your fellow students. Your instructors will check the discussion forum regularly.

**BE SURE TO TURN ON** the ALERTS from Canvas so you get timely course information.

1e **LECTURE VIDEOS:** The lecture videos provide the main presentation of course material, and are accessed through the CANVAS modules. To stay current with the course, we recommend watching the videos weekly following the schedule posted on the course calendar. **You should watch the lectures and answer the corresponding Lecture Quiz Questions before attempting homework.** You may contact your instructor or post questions on the course discussion board if you need clarification of a topic.

It is possible to get ahead in this class if you complete each assignment early. If you have other commitments, adjust your schedule to complete the assignments earlier rather than later. However, the test dates will NOT be extended.

**Lecture notes outlines:** You can download and print them out from each module page in Canvas.

1f **SUCCESS:** I want you to be successful in this class, I am on your side and will be working hard to make sure you always have the resources to have a clear path to success. But I cannot walk that path for you! It will take considerable effort on your part. Other than having a strong Calculus 2 background, success in MAP 2302 depends largely on your attitude and effort. **Keeping up with the videos is critical.** You may find it beneficial to work daily on the material as opposed to saving it all for one day. It is not effective to watch video and copy notes without following the thought processes involved in the lecture. For that reason, there are Lecture Quizzes following each lecture which you will answer in CANVAS as part of your course grade.

Be aware that much of the learning of mathematics at the university takes place outside of the lecture. You need to spend time reviewing the concepts of each lecture from the video and the e-book **before** you attempt homework problems. It is also important to look over the e-book sections to be covered in the next lecture to become familiar with the vocabulary and main ideas before watching the next video. That way you will be better able to grasp the lecture material. As with most college courses, you should expect to spend a minimum of 3 hours working on your own for every credit hour of the class. MAP 2302 is a 3 credit course, which means at **least 9 hours per week** preparing for and practice problems for this course and additional hours spent watching the lecture videos.

Do you know that it takes roughly 42 lecture hours in colleges vs. roughly 142 lecture hours in high school to complete a course? The fact of the matter is that college courses go 3+ times faster and that you probably won’t do well if you don’t watch lecture regularly or wait till the week of the exam to start preparing for the exam. Therefore, it is critical that you keep pace with the course material and assignments. Do not fall behind. Use the resources available as you study!

We encourage you to ask questions on the Discussion Board, seek help from your instructor, and the Broward Teaching Center, www.teachingcenter.ufl.edu, for live and online tutoring services. MML also offers videos and other teaching aids. Do not let misunderstandings go unanswered.

We encourage students to work together, and an important resource to facilitate communication in an online course is the MAP 2302 Discussion Board in CANVAS. You should check the Discussion Board regularly, posting questions and answers for fellow students. The effort of asking questions and communicating ideas clearly, as well as the practice of writing solutions, are effective tools in helping you better understand calculus concepts. This is YOUR forum, take advantage of it by participating in it.
In studying mathematics, you must be careful not to let a tutor, friend or calculator "think" for you. Be sure that you can work problems completely on your own, answer any questions others have posted, without help, by the time of a quiz or an exam.

It is our hope that through focused study and practice you will gain a true appreciation for the important concepts of calculus and their application. We want you to succeed in this class! You must be positive and keep up with the course material and take the initiative to get help in time, before you get too far behind. Students with a positive attitude who are intellectually engaged in learning the material will get the most from the course.

1h STUDENTS WITH LEARNING DISABILITIES: Students requesting class and exam accommodations must first register with the Dean of Students Office Disability Resource Center(DRC), https://www.dso.ufl.edu/drc/. The DRC will provide a documentation letter to the student who must then provide this letter to the course coordinators during office hours when requesting accommodation. This should be done as early as possible in the semester, at least one week before the first exam and adhering to DRC deadlines, so there is adequate time to make proper accommodations.

1i ACADEMIC HONESTY: Remember that you committed yourself to academic honesty when you registered at the University of Florida. All students are bound to

The Honor Pledge
We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honesty 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."

Academic Honesty Guidelines: “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. Exhibiting honesty in academic pursuits and reporting violations of the Academic Honesty Guidelines will encourage others to act 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 Mathematics Department expects you to follow the Student Honor Code. We are bound by university policy to report any instance of suspected cheating to the proper authorities.

You may find the Student Honor Code and read more about student rights and responsibilities concerning academic honesty at the link https://www.dso.ufl.edu/sccr/. In addition, we remind you that lectures given in this class are the property of the University/faculty member and may not be taped without prior permission from the lecturer and may not be used for any commercial purpose. Students found to be in violation may be subject to discipline under the Student Conduct Code.

2. TESTING

There are three semester unit exams and one cumulative final exam given in CANVAS on the dates shown on the course calendar and administered through ProctorU. You must register with ProctorU at http://go.proctoru.com for each exam at least 1 week prior to the exam date to schedule a 120
(90+extra 30) minutes time block for each unit exam and a 150 (120+30) minutes block for the final. All exams are open from 5 –10 PM EST only.

We urge you to connect to Proctor U Help Desk representatives, at least a few days prior to your exam, http://www.proctoru.com/testitout and do a live chat via “Connect to a live person” to confirm your connect and equipment are all good. It is your responsibility to be sure that you have a reliable internet connection and verify with the proctor for an acceptable location & environment to ensure that it meets proctoring requirements. Go to http://www.proctoru.com for more details.

2a SEMESTER EXAMS: You will see your score after submitting the exam and you may visit instructor’s office hours to review your exam within one week of the exam. Your lowest semester exam will be dropped.

2b FINAL EXAM: A mandatory, cumulative final exam offered in CANVAS will be given on the date shown in the course calendar.

Note: You may NOT use a calculator or any other study aid for exams. Be sure to read the ProctorU handout thoroughly to understand the exam procedures before you start a test.

Make sure you are available to take the exam at the designated date and time.

2c IMPORTANT EXAM POLICIES: MAP 2302 requires that students take exams through ProctorU online on the listed dates and times. There are no exceptions to this. Students with conflicts, including regularly scheduled classes, work, or travel, must make advance arrangements to take the test at the listed dates and times.

The following applies to all exams:

(1) Students are responsible for material covered in lectures, NYTL, and assignments.

(2) Bring only the following to the exam with ProctorU: two picture IDs (UF Gator One card and your state driver’s license) with a legible signature and blank scratch paper.

No calculators are permitted. Cell phones and other electronic devices must be turned off and out of sight. If any such device rings, buzzes, or otherwise causes a distraction during the exam, your test will be considered to be compromised and your test score will be 0.

(3) ProctorU recommends students to connect with them (https://test-it-out.proctoru.com/) few days before an exam to check for any internet connection issues and computer compatibilities.

See Section 3f for Makeup Policies.

3. GRADING

3a COURSE GRADE: Your course grade is computed as follows:

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<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>Lecture Quizzes</td>
<td>10%</td>
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<tr>
<td>MyMathLab Homework</td>
<td>20%</td>
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<tr>
<td>Applications Projects (best 2 of 3)</td>
<td>5%</td>
</tr>
<tr>
<td>Semester exams (best 2 of 3)</td>
<td>40%</td>
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<tr>
<td>Cumulative Final exam</td>
<td>25%</td>
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The following grading scale applies.
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<tr>
<th>Grade</th>
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<tbody>
<tr>
<td>A</td>
<td>≥ 90%</td>
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<tr>
<td>A−</td>
<td>≥ 87%</td>
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<tr>
<td>B+</td>
<td>≥ 84%</td>
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<tr>
<td>B</td>
<td>≥ 80%</td>
</tr>
<tr>
<td>B−</td>
<td>≥ 77%</td>
</tr>
<tr>
<td>C+</td>
<td>≥ 74%</td>
</tr>
<tr>
<td>C−</td>
<td>≥ 67%</td>
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<tr>
<td>D+</td>
<td>≥ 64%</td>
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<tr>
<td>D</td>
<td>≥ 60%</td>
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<tr>
<td>D−</td>
<td>≥ 56%</td>
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<tr>
<td>E</td>
<td>&lt; 56%</td>
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There will be no additional curve in this course, and extra assignments for individual students to improve a grade are NOT possible.

We will not review disputed points at the end of the semester. All grade concerns must be settled within one week of the submission.

3b **VIDEOS and LECTURE QUIZZES:** MAP 2302 is organized into 28 lectures in Canvas, each lecture has an introductory page including the concepts to be covered, things you need to do for this lecture. From there, you may link to the lecture videos and a copy of the note outlines for each lecture. Viewing the video is an important aspect of the learning process. There are several lecture questions in each Lecture Quiz to be completed at the end of each lecture. You will earn points by completing lecture quizzes by the specified due date. You should work these problems after you watch the lectures and then enter your answers directly in Canvas. We encourage you to use the text as well as the videos or the discussion board to help answer these questions. These questions pertain to the concepts recently covered. It is best to do them as soon as possible. Post questions on the course discussion board if you need clarification of a topic. The Broward Teaching Center at UF provides online homework support and is a valuable resource.

3c **MYMATHLAB ONLINE HOMEWORK:** Online homework administered in MyMathLab is planned to review concepts and provide practice of the lecture material. The homework problems are graded by the software and you see your score immediately after submitting your work. You will have unlimited submissions for each problem, there are aids and a link to the e-text to help you solve questions. I want to encourage you to continue working on the homework so I will allow late submissions. However, keep in mind that you should stay on top of the homework due dates if you want to be successful in the exams.

Do not try to complete an assignment in one sitting; start early instead of waiting until the due date to avoid missing the deadline.

The MyMathLab Homework is open book and open note. If you are experiencing a problem with logging in, registration, or MyMathLab in general, please contact MyMathLab Support. Their contact information is on their homepage. Get the trouble shoot ticket number and email your instructor immediately after this.

3d **EXAMS:** Three semester exams and a cumulative final exam are given online in CANVAS administered by ProctorU. Your exam grade will be available in CANVAS gradebook once your exam is submitted. The MAP 2302 exams are not released to students, but you may request set up an appointment to review your exam within one week of the exam. Your lowest semester exam will be dropped.

3e **EXTRA CREDIT:** You may earn additional points in the following ways:
• **SYLLABUS QUIZ**: In CANVAS you will find the Course Orientation page. Read the syllabus and after you feel comfortable with the course policies listed, take the syllabus quiz posted in Canvas.

• **COURSE PARTICIPATION**: We encourage you to utilize instructor’s virtual office hours and the MAP 2302 Discussion Board regularly to ask and answer questions about course material and homework. Questions must be appropriate and relate to course material to earn credit.

• **EXAM PREPARATION**: Before each of the exams an Exam Review will be open in MML and a Practice Exam in CANVAS for practice and extra credit. You will have limited submissions per question and must be submitted by the due date. See the course calendar.

### 3f MAKE-UP POLICIES and EXTENSIONS:

• **EXTENSIONS ON MYMATHLAB HOMEWORK**: While it is a much better strategy to work ahead, occasionally you may fall behind. I want to encourage you to continue working on the homework so I will allow you to work on it even after the official due date with no penalty. **All late submissions are due by Wednesday, April 24, 11:59pm.** However, keep in mind that you should stay on top of the homework due dates if you want to be successful in the exams.

• **MAKE-UP LECTURE QUIZZES**: There are extra points available in lecture quizzes so we do not offer make-ups.

• **MAKE-UP EXAMS**: To be eligible for a make up, you must have signed up with the instructor at least two weeks prior to the exam date (unless last minute emergency) with valid documented UF approved excused absences: [https://catalog.ufl.edu/UGRD/academic-regulations/attendance-policies/](https://catalog.ufl.edu/UGRD/academic-regulations/attendance-policies/)

  If illness or other last minute extenuating circumstances cause you to miss an exam, you must contact your instructor within 24 hours of the exam with a valid documentation for approval to reschedule the exam with ProctorU.

• **OTHER MAKE-UPS**: There are no make ups and no extensions for the Projects, Syllabus Quiz, Discussion Board Posts, Practice Exams and any other assignments.

  **We do not accept any late excuse documentation.** Assignments and Exams will not be reopened, reviewed, offered or graded after the last day of the semester. You must immediately report to your instructor any problems with any assignments after you have tried to request the appropriate help and get the confirmation number of such requests.

### 3g INCOMPLETE:

A student who has completed a major portion of the course with a passing grade but is unable to complete the final exam or other course requirements due to illness or emergency may be granted an incomplete, indicated by a grade of “I”. This allows the student to complete the course within the first six weeks of the following semester. The student must contact the course coordinator before finals week to sign an incomplete grade contract ([http://clas.ufl.edu/forms/incomplete-grade-contract.pdf](http://clas.ufl.edu/forms/incomplete-grade-contract.pdf)), and must provide documentation of the extenuating circumstances preventing him or her from taking the final exam. The grade of “I” is never used to avoid an undesirable grade, and does not allow a student to redo work already graded or to retake the course.

See the official policy at [http://www.math.ufl.edu/department/incomplete-grades/](http://www.math.ufl.edu/department/incomplete-grades/).

### 5. ONLINE COURSE EVALUATION

Students are asked to provide feedback on the quality of instruction in this course by completing online evaluations at [https://evaluations.ufl.edu](https://evaluations.ufl.edu). Evaluations are typically open during the last two weeks of the semester, but students will be given specific times when they are open.
This syllabus is subject to change. You will be notified if any changes are made.

Updated 1/3/2019