MAA4103 Intro. Adv. Calculus for Engineers and Physical Scientists 2

MAA 5105 Advanced Calculus 2

Summer C 2023

Section Information
MWF 1 LIT meets for 65 minutes

Course Instructor: Carol Demas
Office: LIT 323
Office Hrs: M (Live) WF (Zoom) 9:20AM-10:25 AM
email: demasc@ufl.edu

Canvas Messages: Check your messages **daily** so that you do not miss any important announcements.

Text: Witold A. J. Kosmala, A Friendly Introduction to Analysis, second edition, Pearson Prentice Hall, Upper Saddle River, NJ 07458.

Time commitment: University students are expected to spend at least 3 hours for each in-class hour to keep up with the course material.

Content: We will cover some of Chapters 6(Integration), 7(Infinite Series), 8(Sequences and Series of Functions), and 9(Vector Calculus).

Homework: Doing homework is essential to success in this course and is one of the best ways to prepare for exams. Homework is worth 18% of the grade. The lowest score is dropped. Homework is collected on exam days. Late submissions are not permitted.

Class participation is worth 18% of the grade. You must be present to earn participation points. The lowest two scores are dropped.

Exams: Four exams will be given on the dates shown in the calendar. Each is worth 16% of your grade. The fourth exam is cumulative, approximately 50% material from chapter 9 and 50% previous material, and replaces any previously missed exam score.

Grades: The letter grade will be awarded with Canvas rounding up the display grade (i.e. 89.5 counts as A) as follows:

A	90%-100%	C	70%-74%
A-	87%-89%	C-*	67%-69%
B+	85%-86%	D+	64%-66%
B	80%-84%	D	60%-63%
B-	77%-79%	D-	57%-59%
C+	75%-76%	E	0-56%

If you have a grade dispute, please resolve it with your instructor **within a week** of the assignment deadline.

Your grade is comprised of the following:

4 Exams 16% each
Participation 18% (drop lowest two scores)
Homework 18% (drop lowest score)

Total: 100%

Accommodations for students with learning disabilities: Students with disabilities who experience learning barriers and would like to request academic accommodations should connect with the disability Resource Center by visiting disability.ufl.edu/students/get-started

Academic Honesty: The course will be conducted in accord with the University honor code and academic honesty policy which can be found at www.dso.ufl.edu/ sccr/honorcodes/honorcode.php. 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.

In addition, we remind you that lectures and the lecture notes given in this class are the property of the University/faculty member and may not be taped/shared 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.

Makeup Exams: If you miss an exam with valid documentation, the final exam will replace it. If you miss without valid documentation, there will be a 10% penalty for its replacement. Valid documentation includes documented illlness, school-sponsored activity, death in the immediate family, court-ordered or military appointments, and religious holidays. Scheduled flights do not count as valid documentation so do not make plans for a flight which conflicts with exam dates and times.

Late submissions will not be accepted but the lowest homework score is dropped.

Evaluations: Course evaluations are now at https://gatorevals.aa.ufl.edu/

Privacy: Our class sessions, including office hours, may be audio-visually recorded for students in the class to refer back and for enrolled students who are unable to attend live. Students who participate with their camera engaged or utilize a profile image are agreeing to have their video or image recorded. If you are unwilling to consent to have your profile or video image recorded, be sure to keep your camera off and do not use a profile image. Likewise, students who un-mute during class and participate verbally are agreeing to have their voices recorded.

If you are not willing to consent to have your voice recorded during class, you will need to keep your mute button activated and communicate exclusively using the "chat" feature, which allows students to type questions and comments live. The chat will not be recorded or shared.

As in all courses, unauthorized recording and unauthorized sharing of recorded materials is prohibited.

Diversity: The Mathematics Department is committed to diversity and inclusion of all students. We acknowledge, respect, and value the diverse nature, background and perspective of students and believe that it furthers academic achievements It is our intent to present materials and activities that are respectful of diversity: race, color, creed, gender, gender identity, sexual orientation, age, religious status, national origin, ethnicity, disability, socioeconomic status, and any other distinguishing qualities.

Exam Coverage
Exam 1 covers 6.1-6.5
Exam 2 covers 7.1-7.4
Exam 3 covers 8.1-8.3, 8.5-8.6
Exam 4 covers 50% 9.1-9.3 and 50% previous material

Tentative schedule (subject to possible revision)

Mon	**Tues**	**Wed**	**Thur**	**Fri**
May15	**16**	**17**	**18**	**19**
6.1		6.2		6.2
22	**23**	**24**	**25**	**26**
Review		6.3		6.3
29	**30**	**31**	**June 1**	**2**
holiday		Review		6.4
5	**6**	**7**	**8**	**9**
6.5		6.5		Review
12	**13**	**14**	**15**	**16**
Exam 1 **HW Ch6 due**		7.1		7.2
19	**20**	**21**	**22**	**23**
Review		7.3		7.4
26	**27**	**28**	**29**	**30**
break		**break**		**break**
July 3	**4**	**5**	**6**	**7**
Review	holiday	Review		**Exam 2** **HW CH7 due**
10	**11**	**12**	**13**	**14**
		8.1/8.2		8.2/8.3
17	**18**	**19**	**20**	**21**
8.4/Review 8.1-8.3		8.4/8.5		8.6
24	**25**	**26**	**27**	**28**
Series Solutions to DEs Review 8.4-8.6		Special Functions		Review
31	**Aug 1**	**2**	**3**	**4**
Exam 3 **HW CH8 due**		9.1		9.2
Aug 7	**8**	**9**	**10**	**11**
9.3		Review		**Exam 4** **HW CH9 due**