



Advanced Calculus for Engineers and Physical Scientists 2, Spring 2019

Time, Location, and Section Number

MWF PERIOD 5, LITTLE 127, Section 16AA of MAA 5105 and Section 4522 of MAA 4103.

Office Hours (in 478 Little Hall)

Monday period 6, Tuesday period 6, and Friday period 8.

Description and Goals

The course is a continuation of MAA 4102 and MAA 5104. The primary goal of the course is to obtain a sound understanding of the basic mathematical concepts of calculus. A secondary goal is to improve the ability to reason carefully and creatively when dealing with mathematical material. We will cover sections 5.3 – 5.5, 6.1 – 6.5, 7.1 – 7.4, as time permits. Topics include differentiation, the Riemann integral, and infinite series.

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

Course Notes

Notes will be added here.

[Chapter 5 notes1-27.](#)

Homework Assignments

The assignments will be added here, as the course progresses. These assignments will not be turned in for a grade. Students are expected to do the assignments as part of the preparation for the exams.

Section 5.3, Page 205 – 208, # 1, 2, 5, 6, 10, 16, 17 (all parts of each).

Section 5.4, Page 216 – 220, # 2, 9, 19, 20, 30, 31 (all parts of each).

Exams Dates

Exam dates will be added here. Also, links to Sample Exams will be added here.

Grades

Grades will be based on three exams given in class during the semester, and a cumulative final exam. Each of the three exams during the semester will be worth 48 points. The final exam will be worth 56 points. So there are 200 possible points. The final exam will be given during the regular final exam period for this section. Grades will be assigned according to the following:

A: 180-200 A-: 175-179 B+: 170-174 B: 160-169 B-: 155-159
C+: 150-154 C: 140-149 C-: 135-139 D+: 130-134 D: 120-129

Course Policies

Closed-book policy: No use of calculators, or books will be allowed during any in-class tests.

Policy related to make-up exams: Written medical documentation is required for makeup exams.

Policy on class attendance: Daily attendance is required as consistent with university policies that can be found in the online catalog at:

<https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx>.

University's honesty policy: 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 (<http://www.dso.ufl.edu/sccr/process/student-conduct-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.

For students with disabilities: Students requesting classroom accommodation must first register with the Dean of Students Office. The Dean of Students Office will provide documentation to the student who must then provide this documentation to the Instructor when requesting accommodation.

Students' evaluations of the course: Students are expected to provide feedback on the quality of instruction in this course based on 10 criteria. These evaluations are conducted online 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>.

Additional Information and Links:

Grades: Grading will be in accord with the UF policy stated at

<https://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx>.

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 TAs in this class.”

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>.”

Accommodations 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 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/>.”

Contact information for the Counseling and Wellness Center:

<http://www.counseling.ufl.edu/cwc/Default.aspx>, 392-1575; and the University Police Department: 392-1111 or 9-1-1 for emergencies.

Your well-being is important to the University of Florida. The U Matter, We Care initiative is committed to creating a culture of care on our campus by encouraging members of our community to look out for one another and to reach out for help if a member of our community is in need. If you or a friend is in distress, please contact umatter@ufl.edu so that the U Matter, We Care

in distress, please contact umatter@ufl.edu so that the U Matter, We Care Team can reach out to the student in distress. A nighttime and weekend crisis counselor is available by phone at 352-392-1575. The U Matter, We Care Team can help connect students to the many other helping resources available including, but not limited to, Victim Advocates, Housing staff, and the Counseling and Wellness Center. Please remember that asking for help is a sign of strength. In case of emergency, call 9-1-1.



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