



## MAA 4212 Advanced Calculus

MAA 4211 Advanced Calculus 2 Spring 2019

Text : Notes on line

Instructor : Murali Rao

Office Lit 494

Office Hr MWF 4th Period.

Test dates Feb 8, March 15, April 19.

No makeups without adequate documents.

Course Description:

### Course notes

Class Attendance: Recommended but not required.

Grades(Standard) : A : 90+ , A- : 87-89 , B+ : 84-86

B : 80-83 , B- : 77-79 , C+ : 74-76 ,

C : 70- 73 .

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."

Tentative weekly Schedule.

This Schedule is not intended to be rigid.

January 7 – January 11, Uniform convergence and the metric space  $C(X)$ .

January 14 – January 18, Differentiation.

January 23 – February 1, Begin Riemann Integration .

February 4 — 8, Continued and Test 1

February 11 – February 15 Riemann Integration

February 18 – February 22, Series.

February 25 – March 1, Linear Algebra

March 18 – March 15, Linear Algebra Continued Test 2.

March 18 – March 27, Calculus of functions  $f: \mathbb{R}^n \rightarrow \mathbb{R}^m$ .

March 30 – April 13, Inverse and Implicit function theorems

April 15 – April 22. Continuation, Review and Test 3.

### Additional Information:

**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:** <https://counseling.ufl.edu/>, 392-1575; and the University Police Department: 392-1111 or 9-1-1 for emergencies.



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