

Math 4032, Advanced Calculus II

LSU, Spring 2017

Lectures: TR 12-1:20pm, 111 Lockett Hall.

Instructor: Milen Yakimov, 390 Lockett Hall,
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Office Hours: Tuesday 10am-11am, Wednesday 1pm-2pm, Thursday 10am-11am and by appointment.

Course Homepage: <http://www.math.lsu.edu/~yakimov/teaching.html>

Textbook: Leonard Richardson, Advanced Calculus: An Introduction to Linear Analysis, 1st Edition, Wiley Interscience.

Course Description: The course will continue the series of topics from Advanced Calculus I. It will provide a rigorous and complete treatment with full proofs of derivatives, infinite series and Fourier series based on Chapters 4, 5, and 6 of the textbook.

As a 3-credit course, students are expected to have 6 hours of coursework outside of class per week, for a minimum time commitment of 9 hours per week.

Final Exam: There will be a 2 hour final exam on Thursday, May 4, 3-5pm. There will be no early final exam exceptions.

Tests: There will be two in-class tests tentatively scheduled for the following dates:

Thursday, March 9 and Thursday, April 20.

The tests will be cumulative.

Homework: Homework will be assigned each week and will be due the following week on Tuesday, at the beginning of the class. Altogether the homework will count 25% towards your final grade. The homework is an essential part of this course and all students should do it regularly. It will provide an excellent opportunity to practice giving proofs.

Grading policy: Each test will count 20% towards your final grade, and the final will count 35%. Altogether the homework will count 25% towards your final grade.

Collaboration: You can use any technology available to help with homework and you may collaborate with others while doing it. However, the in-class exams and the final will be closed book and no collaborations will be allowed. During an exam, attempts to look at other students' exams and the use of crib sheets or formula sheets

will be considered to be a violation of the LSU Code of Student Conduct and will be reported to the Student Advocacy and Accountability Office.

Grading Scale:

A+	98+
A	93-98
A-	90-93
B+	87-90
B	83-87
B-	80-83
C+	77-80
C	73-77
C-	70-73
D+	67-70
D	63-67
D-	60-63
F	0-59