

MATH 126 Spring 2017

Calculus II

Instructor	Brad Drew	
Office	KAP 400C	
Office hours	M 10-10:45am, W 1:30-3pm, F 2-3pm in KAP 400C or by appointment	
Section	39460R	39472D
TA	Zimu Zhu	Jie Ruan
Lectures	MWF 9am in MHP B7B	MWF 11am in VKC 100
Discussions	TTh 10am, 11am in KAP 113	TTh 2pm, 3pm in KAP 113

Course description

This course is a continuation of MATH 125. We will cover the following topics: inverse trigonometric functions, techniques and applications of integration, sequences, infinite series, and polar coordinates.

Prerequisites: MATH 125

Textbook: *Essential Calculus*, James Stewart, second edition

Course website: <http://www-bcf.usc.edu/~bdrew/126/>

Grading policies

Homework (15%): Homework assignments will be collected in discussion section most Thursdays. Several of the assigned problems will be chosen at random and graded.

Quizzes (7%): In the discussion section on the due date of each homework assignment, there will be a 10-minute quiz based on the material covered in the assignment.

Labs (5%): There will be two lab assignments to be completed using Mathematica.

Midterm exams (40%): There will be two 50-minute midterm exams, during the Wednesday lectures on **February 15** and **March 29**, each worth 20% of the final grade.

Final exam (33%): There will be a common final exam, worth 33% of the final grade, will take place on **Wednesday, May 10 from 8am to 10am**. No student may to omit or anticipate a final examination.

Late work and make-ups: The lowest homework and two lowest quiz grades will be dropped. In exchange, however, *no late assignments will be accepted, and make-up quizzes and exams will not be granted*. In the event of an excused absence, the final exam grade will be substituted for the grade of a missed midterm exam. Email requests for exceptions to these policies will be marked as spam.

Grade revision: If an exam grade was assigned in error, students may request a regrade by email *within two weeks of the exam*, succinctly explaining any issue with the grade. The entire exam may be regraded and the grade may increase or decrease upon revision.

Collaboration: Students are encouraged to discuss homework assignments with one another, but each student must write up her or his solutions individually. Collaboration is not permitted during quizzes or exams, and students must uphold the University's standards of academic integrity.

Test materials: Neither electronic nor written resources are permitted during exams.

Final grades: The lowest homework and two lowest quiz grades will be dropped.

Homework	Quizzes	Labs	Midterm I	Midterm II	Final exam
15%	7%	5%	20%	20%	33%

Course outline

Topics	Approximate dates	§§
Inverse trigonometric functions, l'Hôpital's rule	1/9-1/18	5.1, 5.6, 5.8
Techniques of integration	1/20-2/3	6.1-6.3, 6.5, 6.6
<i>Last day to drop with refund</i>	1/27	
Sequences and series	2/6-3/6	8.1-8.8
<i>Midterm I</i>	2/15	
<i>Last day to drop</i>	2/24	
Applications of integration	3/8-3/24	7.1-7.5
<i>Midterm II</i>	3/29	
Parametric equations and polar coordinates	3/31-4/12	9.1-9.4
<i>Last day to withdraw</i>	4/7	
Hyperbolic functions, further applications	4/14-4/21	5.7, 7.6, 7.6
Review	4/24-4/28	
<i>Final exam</i>	5/10	

Office hours and the Math Center: Students are encouraged to ask questions, attend office hours and make use of the Math Center (KAP 263, <https://dornsife.usc.edu/mathcenter>).

Students with disabilities: Any student requesting academic accommodations based on a disability is required to register with Disability Services and Programs (DSP) each semester. A letter of verification for approved accommodations can be obtained from DSP. *Deliver the letter in person to the instructor as early in the semester as possible and at least two weeks prior to an exam if requesting extra time.* DSP is located in STU 301.

http://sait.usc.edu/academicsupport/centerprograms/dsp/home_index.html

Academic integrity: USC seeks to maintain an optimal learning environment. General principles of academic honesty include the concept of respect for the intellectual property of others, the expectation that individual work will be submitted unless otherwise allowed by an instructor, and the obligations both to protect one's own academic work from misuse by others as well as to avoid using another's work as one's own. All students are expected to understand and abide by these principles. *SCampus*, the Student Guidebook (www.usc.edu/scampus), contains the University Student Conduct Code (see University Governance, Section 11.00), while the recommended sanctions are located in Appendix A.

Disclaimer: This syllabus is not a contract and the instructor reserves the right to amend it as needed.