

Syllabus, Math 118, Fall 2017

Sections 39441 and 39453

Instructor: Michael A. Hall **Email:** hallma@usc.edu **Office:** Kaprielian 447

Office Hours: Mon/Wed 10:00-11:00am
 Wed/Fri 1:00-1:30pm or by appointment

Lectures: Section 39441: MWF 12-12:50pm, VKC 152
 Section 39453: MWF 2-2:50pm, MHP B7B

Textbook

Hughes-Hallett et al, *Applied Calculus*, 5th Edition.

Note: The textbook you purchase must come with a WileyPLUS access code to be able to complete the online homework. If desired, you may simply purchase an access code, which provides electronic access to the textbook.

WileyPLUS Course IDs: Section 39441: **592653**
 Section 39453: **592650**

Course Content

Derivatives, extrema. The definite integral; the Fundamental Theorem of Calculus. Extrema and definite integrals for functions of several variables. Not available for credit toward a degree in Mathematics.

We will cover roughly Chapters 1-6 and Chapter 8 of the textbook, as well as a supplement on double integrals. If purchased at the USC Bookstore, the supplement should be bundled with the textbook.

Prerequisites: Math 108 or Math 117

Teaching Assistants

Teaching Assistant: Jinting Liu

Sections: 39441

Email: jintingl@usc.edu

Office Hours: Math Center Schedule

Teaching Assistant: Zheng Dai

Sections: 39453

Email: zhengdai@usc.edu

Office Hours: Math Center Schedule

The Math Center is located in KAP 263 and is open from 8am until at 7pm most weekdays. Your TA will announce office hours which they will hold in the Math Center, but you can go to the Math Center at any time to ask for help.

Grading scheme

Your final grade percentage will be determined by the following formula:

- 10% Homework
- 20% Quizzes
- 40% Midterm Exams (20% each)
- 30% Final

Approximate grade ranges: A \geq 90%, B 80-89%, C 70-79%, D 60-69%, with pluses and minuses given appropriately. The cutoffs may be adjusted lower to reflect the class curve, but e.g. 90% will guarantee at least an A-.

Note: Any issue with the grading of an assignment must be raised within one week of the assignment being returned to you.

Homework

Homework will be assigned via the online system WileyPLUS. Assignments will typically be due Tuesday night at 11:00pm. Homework may still be submitted after the official deadline, but with a 50% penalty. Note that the homework is timed to be relevant to the quizzes you will take in TA section, so it is wisest to complete it in a timely manner.

Quizzes

Except during exam weeks, there will be quizzes in your Thursday discussion sections. The lowest two quiz scores will be dropped. Make-up quizzes will not be offered.

Exams

There will be two midterm exams, and one final exam. The final exam for this course is a common final written by the Math Department. You must take the final to pass the course.

Midterm 1: Friday, September 29th **Midterm 2:** Friday, November 3rd

Final Exam: Wednesday, December 6th, 2-4pm

Midterm exams may not be rescheduled, except in cases of emergency. As per university policy, the final exam may not be taken at another time.

Notes and Calculators: No notes or graphing calculators will be allowed on exams. You will need a scientific calculator, for example a TI-30X.

Statement on Academic Conduct

Plagiarism – presenting someone else’s ideas as your own, either verbatim or recast in your own words – is a serious academic offense with serious consequences. Please familiarize yourself with the discussion of plagiarism in SCampus in Part B, Section 11, “Behavior Violating University Standards” policy.usc.edu/scampus-part-b. Other forms of academic dishonesty are equally unacceptable. See additional information in SCampus and university policies on scientific misconduct, <http://policy.usc.edu/scientific-misconduct>.

Discrimination, sexual assault, and harassment are not tolerated by the university. You are encouraged to report any incidents to the Office of Equity and Diversity <http://equity.usc.edu/> or to the Department of Public Safety <http://capsnet.usc.edu/department/department-public-safety/online-forms/contact-us>. This is important for the safety whole USC community. Another member of the university community - such as a friend, classmate, advisor, or faculty member - can help initiate the report, or can initiate the report on behalf of another person. The Center for Women and Men <http://www.usc.edu/student-affairs/cwm> provides 24/7 confidential support, and the sexual assault resource center webpage <http://sarc.usc.edu/> describes reporting options and other resources.

Support Systems:

A number of USC’s schools provide support for students who need help with scholarly writing. Check with your advisor or program staff to find out more. Students whose primary language is not English should check with the American Language Institute <http://dornsife.usc.edu/ali>, which sponsors courses and workshops specifically for international graduate students. The Office of Disability Services and Programs http://sait.usc.edu/academic-support/center-programs/dsp/home_index.html provides certification for students with disabilities and helps arrange the relevant accommodations. If an officially declared emergency makes travel to campus infeasible, USC Emergency Information <http://emergency.usc.edu> will provide safety and other updates, including ways in which instruction will be continued by means of blackboard, teleconferencing, and other technology.

Disability Services:

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. Please be sure the letter is delivered to me as early in the semester as possible. DSP is located in GFS 120 and is open 8:30 a.m. 4:30 p.m., Monday through Friday. The phone number for DSP is (213) 740-0776.

Approximate course schedule

(Holidays in boxes. Midterm exam dates in **bold**.)

Week	Dates	Material
Week 1	21,23,25	1.1 - 1.7
Week 2	28,30,1	1.8-1.9, 2.1-2.2
Week 3	4 , 6, 8	2.3 - 2.5
Week 4	11,13,15	3.1 - 3.4
Week 5	18,20,22	4.1 - 4.3
Week 6	25,27, 29	4.4, Midterm 1
Week 7	2, 4, 6	4.5 - 4.8
Week 8	9, 11,13	5.1 - 5.4
Week 9	16,18,20	5.5-5.6, 6.1-6.2
Week 10	23,25,27	6.3 - 6.6
Week 11	30, 1, 3	6.7, Midterm 2
Week 12	6, 8, 10	8.1 - 8.2
Week 13	13,15,17	8.3 - 8.4
Week 14	20, 22,24	8.5
Week 15	27,29,1	Double integrals

Important Dates

Sept 08 – Last day to drop with tuition refund

Sept 29 – First Midterm

Oct 06 – Last day to drop without a W

Nov 03 – Second Midterm

Nov 10 – Last day to drop with a W

Dec 06 – Final exam, 2-4pm