Math 1B 001 Calculus course information, Spring 2018

Class hours:	MWF 2:10–3 in 1 Pimentel
Instructor:	Semyon Dyatlov ⟨dyatlov@berkeley.edu⟩
Webpage:	bCourses. Includes: calendar, homeworks, scores for all assignments
Office hours:	Monday 12:30–1:30 and Wednesday 3–4 in 805 Evans
Midterm 1:	Friday February 9, 2:10–3 in 1 Pimentel
Midterm 2:	Friday March 16, 2:10–3 in 1 Pimentel
Final exam:	Tuesday May 8, 11:30–2:30 in room TBA
Grading:	HW = 10%, Quizzes = 15%, MT1 = 15%, MT2 = 20%, Final = 40%
Prerequisites:	Math 1A or equivalent
Textbook:	James Stewart, *Calculus: Early Transcendentals, 8th edition* Specially priced version: *Single variable calculus: Math 1A,B at UC Berkeley*

Course Syllabus on bCourses will contain what sections have been covered, what the plan is for the next few lectures, and (brief) lecture notes. We will cover:

- Chapter 7: Techniques of integration;
- Chapter 8: Applications of integration;
- Chapter 11: Infinite sequences and series;
- Chapter 9: First-order ordinary differential equations;
- Chapter 17: Second-order linear ordinary differential equations.

Students are responsible for reading the sections of the textbook covered in class. The most important points will be discussed in lecture, but *there is insufficient time to discuss everything in class.* Skimming material before class may help you to get more out of lectures.

Warning: The first unit of this course is comparatively easy for many students, while the second, which begins after the first midterm exam, is more challenging for most. Please do not be lulled into a false sense of security in the early weeks.

Exams: Closed book. In principle, exams are based on all material discussed (so far) in lectures, problem sets, and assigned readings from the text. Practice problems will be provided. *Students must take all exams at the scheduled times.* There will be no makeup exams. Permission for any absences from exams must be obtained during the first three weeks of classes. Exceptions will be granted on a case by case basis for participation in official university activities, or for unusual circumstances beyond a student's control, such as significant illness documented by a physician. Students who have not kept up fully with coursework are not eligible for exceptions. If you have a conflict with a scheduled exam, switch to the other Math 1B lecture, or contact Professor Dyatlov at the very beginning of the semester. For info about I (incomplete) grades, consult https://ls.berkeley.edu/advising/academic-progress/grades/incomplete-grades.

Homework: due each Thursday in discussion section, except exam weeks. Lowest homework score will be dropped (i.e. will not count towards the total). Homework is assigned from the book (make sure you have the correct edition!), see bCourses. The problem numbers will be posted a week before due date. Late assignments will be accepted only under extraordinary circumstances. You may freely discuss problem sets with other students, but should write up your assignments yourself. In this and all courses, you should acknowledge the contributions of others to your written work.

Quizzes: 9 short quizzes will be given in discussion section, see bCourses for schedule. The lowest score will be dropped. There will be no makeups for missed quizzes unless authorized before the date of the quiz, in unusual circumstances beyond a student's control. Ordinary short term illness is not such an unusual circumstance; the policy of dropping one quiz score is intended to accomodate minor illnesses. *At the end of the course the quiz scores may need to be adjusted since different GSIs will have different quizzes.*

Grades: At the end of the semester, the class will be ordered according to total score, and letter grades assigned. Typical distribution of letter grades for Math 1B: A+/A/A− 30%, B+/B/B− 35%, C+/C/C− 25%, D–F 10%. However, in this course there is no fixed percentage of D–F grades; everyone who completes all required work, and does work of passing quality, will receive at least a C−. In particular, "work of passing quality" includes a final exam which demonstrates sufficient knowledge of course material to merit at least a C− grade.

Email: Please understand that Professor Dyatlov cannot reply individually to all emails from 400+ students, so please only email him in situations which cannot be resolved otherwise (such as asking your GSI, coming to professor's of GSI's office hours, asking math drop-in advisors in case of enrollment questions). In all other situations please do not expect a response.

SLC announcement: *Math 98: Adjunct for Math 1B* is a 1-unit course offered by the Student Learning Center taken in conjunction with Math 1B that integrates academic content from Math 1B with study strategies, exam preparation and critical reading techniques. We provide worksheets, practice quizzes, and review assignments designed to improve students' problem-solving ability, test-taking skills, and study strategies in order to enhance engagement and performance in Math 1B. If you are interested in enrolling in the Adjunct you must attend the first week or contact the adjunct instructor (Matt Heid: heidm@berkeley.edu) by the end of the first week.

Students with disabilities: Students requiring special examination arrangements, note takers, or other accomodations should please consult the Disabled Students Program (DSP) office and notify their GSIs promptly at the beginning of the semester. DSP will provide assistance and will communicate specific recommendations to Professor Dyatlov.