

MATH 1210–CALCULUS I SYLLABUS

SPRING 2015

Instructor: Lin Jiu

Office: Gibson Hall 415-H
Office Hour: MW9:00-10:00, T15:00-16:00 or by appointment
Email Address: ljiu@tulane.edu
Lecture Room: Gibson Hall 310
Lecture Time: MWF 13:00-13:50

Teaching Assistant: Maciej Lesniak

Office: Gibson Hall 416-B
Office Hour: T12:30-14:30
Email Address: mlesniak@tulane.edu
Lab Room: Gibson Hall 310
Lab Time: T9:30-10:45

Course Description.

Textbook: Calculus Early Transcendentals (7th edition), by James Stewart.

Description: Calculus I introduces basic knowledge on functions, limits, derivatives, integrals and their applications, especially on practical problems. Most sections of the first six chapters will be covered.

Basic Organization.

Grades: Your grade will be based on the total sum of your scores on THREE midterms, quizzes, homework and the final exam.

- Midterms: 45%. Midterms will be counted in the following way. MidtermIII will participate 15% directly. For MidtermI and MidtermII, the maximum and average of both will participate 15% respectively. Namely,

$$\underbrace{\text{Max of MidtermI and MidtermII}}_{15\%} + \underbrace{\frac{(\text{MidtermI} + \text{MidtermII})}{2}}_{(\text{Average})15\%} + \underbrace{\text{MidtermIII}}_{15\%}$$

- Quizzes: 15%
- Final Exam: 40%

Exams: Midterms will be given on Tuesdays, during the lab. The tentative exam schedule is:

- Midterm Exam I: Tuesday, February 10th
- Midterm Exam II: Tuesday, March 24th
- Midterm Exam III: Tuesday, April 21st
- Final Exam: Final exam has been scheduled at **May 4th, Monday, 8:00-12:00**, by the Office of Registrar. It will be a uniform final test for all Calculus I sections. Please make your summer travel accordingly as well.

Homework.: In the end of this syllabus, there is a table of homework problems for each section of the textbook. Homework will NOT be collected, but will be used for quizzes, with or without slight modification.

Quizzes.: Quizzes will be given at the end of the labs on Tuesday. Problems will be based on Homework, with or without slight modification. The lowest TWO quizzes will be dropped.

Some Fine Print.

Grade-Scale.: Your semester grade will be determined according to the scale:

- : 90-100: A-, A
- : 80-89: B-, B, B+
- : 70-79: C-, C, C+
- : 60-69: D-, D, D+
- : 0-59: F

Attendance: Attendance of all lectures is required.

Blackboard: This course will be maintained on blackboard. Assignments and other important documents will be posted there at

<http://mytulane.blackboard.com>.

Make-up Policy: There will be no make-ups for missed quizzes or homework assignments. Two quizzes will be dropped. If the midterm exam is missed, arrangements will be made on a case-by-case basis provided that appropriate documentation (e.g. a doctor's note) is presented. In case the final exam is missed, you must obtain a written excuse from a Tulane Newcomb associate dean prior to or within 24 hours of the final exam.

Disability Accomodations: Any student requiring accommodations for a physical, psychological, or learning disability must obtain proper documentation through the Office of Disability Services (ODS) at the Educational Resources and Counseling Center (ERC). Additional information is available at

<http://erc.tulane.edu/>.

TABLE OF HOMEWORK PROBLEMS

Section	Problems
1.1	1, 2, 7, 9, 27, 28, 51, 55, 57, 60, 62
1.2	2, 3, 9, 15
1.3	3, 6, 21, 26, 31, 33, 35, 37, 41, 47, 54, 59
1.5	1, 3, 19, 29(a)-(c)
1.6	3, 15, 21, 23, 24, 35, 36, 39, 51, 53, 63, 65, 72
2.2	5, 7, 11, 29, 31, 33, 34
2.3	1(a)(b)(c)(g), 3, 11, 13, 21, 25, 28, 42, 45
2.5	4, 17, 19, 25, 27, 35, 36, 45, 53
2.6	15, 19, 23, 27, 31, 37, 41, 43, 57(a)
2.7	5, 7, 13, 15, 18, 27, 29, 31
2.8	3, 23, 25, 27, 37, 38, 47 (just the non-graph part), 51
3.1	3, 7, 14, 16, 25, 29, 35, 43, 45, 47, 51, 55
3.2	7, 11, 17, 21, 23, 35(a), 41, 43, 45
3.3	1, 3, 11, 16, 21, 24, 39, 41, 46, 47, 49
3.4	7, 9, 10, 15, 21, 23, 29, 31, 41, 42, 53, 61, 71
3.5	5, 11, 13, 17, 25, 27, 31, 51, 58
3.6	3, 7, 15, 39, 43, 45, 47
3.7	8, 10, 15, 17, 20
3.8	3, 9, 11, 17, 19
3.9	1, 6, 9, 13, 16, 37, 40
3.10	1, 11, 23, 25
3.11	1, 3, 9, 32, 38
4.1	1, 3, 5, 17, 19, 20, 21, 27, 29, 33, 34, 47, 49, 55, 61
4.2	1, 9, 19, 23
4.3	1, 5, 9, 11, 12, 13, 19, 33, 35, 45, 49
4.4	1, 3, 5, 7, 9, 11, 13, 17, 21, 29, 33, 36, 41, 43, 49, 53, 55, 57, 61, 65
4.5	1, 3, 5, 9, 21, 23, 33, 45, 51, 53
4.7	1, 3, 7, 15, 19, 20, 29, 33, 73
4.8	7, 11, 17
4.9	1, 3, 5, 13, 15, 17, 25, 29, 33, 35, 37, 43, 45
5.1	22*, 23*
5.2	9, 17, 19, 21, 25
5.3	7, 9, 11, 15, 17, 21, 25, 31, 39, 53, 55, 59
5.4	5, 7, 11, 17, 21, 26, 27, 37, 39, 44
5.5	9, 15, 17, 21, 22, 29, 35, 37
6.1	5, 6, 9, 13, 17, 23, 29
6.2	1, 2, 3, 4, 7, 9, 11, 19, 22, 23, 26, 27, 30, 31(a)
6.3	1, 3, 5, 7, 9, 15, 19