

MATHEMATICS 1B CALCULUS

Instructor: Gul Yayli

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office: E37

office hours: Fridays: 11:30-12:30 , room S43, or by appointments

Prerequisite: Math 1A– or an equivalent course.

Text: Stewart, Calculus Early Transcendentals, 7th Edition Cengage Learning.

Calculators: Graphing Calculator – TI83+, TI84+ or TI86 recommended. TI89, TI92 or other calculators that do algebraic manipulation are not allowed.

Grading:	A 90 – 100%
1 Final Exam 30%	B 80 - 89%
3 Examinations 60%	C 70 – 79%
Quizzes 6%	D 60 – 69%
Pop Quizzes 4%	F 0 – 59%

Student Learning Outcomes:

- Analyze the definite integral from a graphical, numerical, analytical, and verbal approach, using correct notation and mathematical precision
- Formulate and use the Fundamental Theorem of Calculus
- Apply the definite integral in solving problems in analytical geometry and the sciences.

Homework:

Homework is the selected exercises from the text book, and It is going to be your responsibility to make sure that you understand and can do all homework problems assigned, homework will not be collected, unless your current quiz average drops under 70% any time during the quarter. All your questions regarding the homework will be answered during our outside the class (office hours, or by appointment). Students are expected to do the assigned work as scheduled and to bring the completed homework to class. All the quizzes are going to based on the homework so completing the homework in a punctual manner is very important.

Quizzes:

There will be 6 scheduled quizzes and several pop quizzes during the quarter. Pop quizzes will be given at the beginning of the period randomly throughout the quarter. There will be no

makeup quizzes. Missing a quiz will result in a score of zero. The lowest 20% of your quiz scores will not be counted toward your grade.

Exams: There will be three exams during the semester. Missing an exam will result in a score of zero. **No make ups will be given for any reason.** If you know that you will be absent, see me about taking the exam earlier than scheduled.

Final Exam: There will be a mandatory comprehensive two-hour final which must be taken during the scheduled exam time on Tuesday, June 24th ,9:15-11:15am in room L21. The final exam will cover all the material discussed during the semester. Missing the final exam will result in a grade of F for the course.

Homework: Homework is the selected exercises from the text book, and It is going to be your responsibility to make sure that you understand and can do all homework problems assigned, homework will not be collected unless your quiz average drops under 70% at any time during the quarter. All your questions regarding the homework will be answered during or outside the class (by appointment).

Cellphones: Cell phones should not be used in class for calls or texting, except in case of an emergency.

Attendance: Regular attendance at classes is not only expected but is considered essential for successful academic work. Any student who has accumulated the equivalent of **five absences** may be dropped from the class. However, it is the student's responsibility to drop the class by the appropriate due date.

The student must assume full responsibility for work missed because of absence, including any additional work assigned to compensate for the absence. If you must miss a class, it is your responsibility to get notes from another student.

Attendance will be taken at the beginning and end of each class meeting, and anyone who arrives to class more than 15 minutes after the class has started, or leaves class more than 5 minutes before class has ended will be marked absent. If you miss any class, you are expected to email me.

Spring 2014 Math 1B: Tentative course Schedule

	Monday	Tuesday	Wednesday	Thursday	Friday
Apr	Introduction 7	5.1 8	5.2 9	5.3 10	Review&Problem Solving 11
Apr	5.3 14	5.4 15	5.4 16	Problem Solving 17	Quiz#1 18
Apr	5.5 21	5.5 22	3.11 23	Problem Solving 24	Quiz#2 25
Apr May	6.1 28	6.2 29	6.2 30	Exam#1 Review 1	Exam#1 2
May	6.3 5	7.1 6	7.1 7	Problem Solving 8	Quiz#3 9
May	7.2 12	7.3 13	7.3 14	Problem Solving 15	Quiz#4 16
May	7.4 19	7.5 20	7.5 21	Exam#2Review 22	Exam#2 23
May	Memorial Day No class 26	7.6 27	7.7 28	Problem Solving 29	Quiz#5 30
Jun	7.8 2	8.1 3	10.2 4	Problem Solving 5	Quiz#6 6
Jun	8.3 9	8.3 10	8.5 11	Exam#3Review 12	Exam#3 13
Jun	9.1/9.2 16	9.2 17	9.3 18	9.4 19	Review 20
Jun	Review 23	Final Exam 9:15-11:15 24	 25	Finals No class 26	Finals No class 27

TEXT: CALCULUS E.T. By STEWART & 7th Edition

SECTION PROBLEMS

5.1	2, 4, 18, 20, 22, 24
5.2	1, 4, 6, 7, 10, 18–40 even, 48, 55, 57
5.3	2, 8, 10, 12, 20–44 even
5.4	4–46 even, 60, 62, 64
5.5	4–70 even
6.1	2–30 even [11,12,17, 20]
6.2	2–30 even, 54, 56, 58
6.3	4, 6, 10–22 even, 30, 42
6.4	2, 3, 5, 7, 10, 12, 13, 16, 21–24
6.5	2, 4, 6, 9, 10, 19
3.11	2, 4, 6, 8, 18, 20, 24, 30, 34, 38, 40
7.1	2–38 every other even
7.2	2–46 every other even
7.3	4–10, 23, 24
7.4	2, 3, 16,19,23,35
7.5	2–78 every other even
7.6	2, 4, 6, 8, 10, 16, 20
7.7	7, 15, 20, 22
7.8	7, 10, 18, 22, 28, 34, 36

SEC PROBLEMS

8.1	2, 4, 8, 20
8.2	6, 10, 14, 16
8.3	2–14 even, 22–34 even
9.1	4, 6, 8, 11
9.2	1, 4, 9, 24
9.3	2–18 even, 30, 32,45, 47
9.4	1, 3, 8