Math 1B– Calculus – Spring 2015 Syllabus

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Office Location/Phone: S-49A (408) 864-5383
Office Hours: M 12:30-1:20 Tu 6:20-7:00
W 11:30-12:20 Th 11:30-1:00 (in LCW110)

Prerequisite: Math 1A or the equivalent with a grade C or better

Required Materials: Textbook – *Calculus – Early Transcendentals, 7th Edition* by James Stewart (You do NOT need purchase WEBASSIGN)

Calculator – TI83/84 graphing calculator. **TI89 or any similar symbolic calculator will not be allowed on exams.**

Course topics, homework, exam information, handouts, and other information will be posted on the class website.

Grading: Grading will be based on the following criteria. **Grades are not negotiable.**

* * * * * * * * * * Grading Scale (points) * * * * * * * * *		
485 - 500 = A+	465 - 484 = A	450 - 464 = A-
435 - 449 = B+	415 - 434 = B	400 - 414 = B-
375 - 399 = C+	350 - 374 = C	325 - 349 = D+
300 - 324 = D	0 - 299 = F	

Grading Criteria	
Exams:	300 pts
Final:	100 pts
Quizzes:	60 pts
Group Work:	40 pts

Homework: Homework is assigned every class; homework should be completed according the attached schedule. Time permitting, homework problems will be reviewed at the beginning of the following class. Although homework will not be graded, you will need to complete it to be successful on exams and quizzes.

Group Work: Group work will be given on most days during the course. This work will be turned in during the class. **Group work cannot be made up**.

Quizzes: Seven quizzes will be given during the quarter. Your six highest quiz scores will be counted. **There are no make-up quizzes.**

Exams: All exams are closed book. You are permitted to have one 8.5x11 hand-written page of notes (using both sides of paper.) Your worst exam score (or a missed exam) will be replaced with the final exam score if it improves your grade. Cell phones and other electronic devices must be turned off and put away during exams. **There are no make-up exams.**

Final Exam: A comprehensive exam will be given on the final exam date. You are permitted to have one 8.5x11 page of notes (using both sides of paper).

Daily Structure: Each day we will cover material as described on the calendar. Class will be a combination of lecture and individual or group problem solving. It is a good idea to read the sections we are covering in advance.

Attendance: You are expected to attend the entire course daily. It is your responsibility to officially drop the course if you choose not to complete it. If you miss three classes in a row without contacting me, you may be dropped from the course.

Other Information: Student Learning Outcomes (SLO's) as well as Frequently Asked Questions are on the class website.

All students are expected to understand the college policy on cheating as outlined in the student handbook. Cell phones and pagers should be turned off. Please try to arrive on time and stay the entire period.

If you feel that you may need an accommodation based on the impact of a disability, you should contact me privately to discuss your specific needs. Also, please contact Disability Support Services (864-8753) or Educational Diagnostic Center (864-8839) for information or questions about eligibility, services and accommodations for physical (DSS), psychological (DSS) or learning (EDC) disabilities.

Tentative Schedule - Math 1B
Spring Quarter 2015

	Monday	Tuesday	Wednesday	Thursday	Friday
April	6	7 **5.1**	8	9 **5.2/5.3**	10
April	13	14 **5.4** **Quiz 1**	15	16 **5.5/6.1**	17 **(1/19) Drop Deadline**
April	20	21 **6.2** **Quiz 2**	22	23 **6.3/Review**	24
April/May	27	28 **6.4** **Exam 1**	29	30 **6.5/3.11**	1
May	4	5 **7.1** **Quiz 3**	6	7 **7.2/7.3**	8
May	11	12 **7.4** **Quiz 4**	13	14 **7.5/Review**	15
May	18	19 **7.6** **Exam 2**	20	21 **7.7/7.8**	22
May	25 **Holiday**	26 **8.1** **Quiz 5**	27	28 **8.2/8.3**	29 **Withdrawal Deadline**
June	1	2 **8.4** **Quiz 6**	3	4 **8.5/Review**	5
June	8	9 **9.1** **Exam 3**	10	11 **9.2/9.3**	12
June	15	16 **9.4** **Quiz 7**	17	18 **Review**	19
June	22	23 **Final Exam** **1:45-3:45**	24	25	26

Student Learning Outcomes – Math 1B

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.

Sec	Page	Problems
5.1	369	2, 5, 7, 13, 17, 21, 23, 25
5.2	382	1, 5, 7, 9, 19, 23, 29, 33, 34, 37, 39, 47, 49, 51, 53
5.3	394	3, 5, 7, 9, 11, 3, 19, 23, 27, 31, 35, 41, 43, 51, 53, 55, 67, 78
5.4	403	3, 5, 9, 11, 17, 21, 25, 31, 37, 41, 45, 49, 53, 59, 61, 67
5.5	413	3, 5, 7, 11, 13, 17, 21, 25, 29, 35, 41, 45, 53, 59, 63, 69, 79, 85
6.1	427	1, 3, 9, 11, 13, 17, 23,27, 29, 43
6.2	438	1, 5, 7, 9, 11, 13, 17, 19, 23, 31, 33, 41, 47, 49, 55, 61, 65
6.3	445	3, 5, 8, 11, 13, 17, 19, 25, 29, 37, 39, 41, 47
6.4	449	3, 5, 6, 7, 9, 13, 17, 19, 21, 27
6.5	453	3, 7, 9, 13, 17, 21
3.11	262	1, 3, 5, 7, 11, 21, 31, 35, 39, 43, 45, 51, 55
	plus	Pg 395 #38 Pg 404 #13 & #40 Pg 414 #37
7.1	468	1, 3, 9, 11, 15, 17, 21, 25, 27, 31, 39, 47, 51, 55, 67
7.2	476	1, 3, 7, 11, 15, 23, 29, 35, 41, 45, 51, 55, 56, 61, 65
7.3	483	1, 2, 3, 7, 13, 17, 21, 25, 31, 37, 41
7.4	492	1, 4, 6, 11, 17, 23, 29, 31, 47, 59, 61
7.5	499	1, 7, 11, 17, 23, 27, 31, 37, 41, 45, 49, 57, 63, 71, 77
7.6	504	3, 5, 10, 13, 17, 19, 26, 29, 31, 35
7.7	516	1, 5, 9, 13, 17, 21, 29, 31, 37
7.8	525	1, 7, 13, 17, 21, 25, 29, 31, 37, 49, 51, 57
8.1	543	3, 7, 11, 13, 17, 23, 31, 33, 39
8.2	550	1, 5, 9, 11, 15, 19, 25, 31
8.3	560	1, 7, 13, 17, 23, 27, 31
8.4	566	1, 5, 6, 9, 10, 17
8.5	573	2, 3, 5, 7, 8, 10, 11
9.1	584	3, 5, 7, 9, 11,
9.2	592	3, 4, 5, 6, 9, 11, 13, 19, 23,
9.3	600	1. 5. 9, 13, 17, 21, 39, 43
9.4	613	3, 9, 11, 16, 17, 19