Math 1A– Calculus – Winter 2016 Syllabus

Instructor: Maurice (Mo) Geraghty   **Office Location/Phone:** S-49A (408) 864-5383
Email: geraghtymo@fhda.edu   **Office Hours:** M 12:30-1:20   Tu 6:20-7:00
Website: http://nebula2.deanza.edu/~mo   W 11:30-12:20   Th 11:30-1:00 (in LCW110)

Prerequisite: Math 43 or the equivalent with a grade C or better

Required Materials: Textbook – *Calculus – Early Transcendentals, 7th Edition* by James Stewert (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) * * * * * * * * *			Grading Criteria	
485 - 500 = A+	465 - 484 = A	450 - 464 = A-	Exams:	300 pts
435 - 449 = B+	415 - 434 = B	400 - 414 = B-	Final:	100 pts
375 - 399 = C+	350 - 374 = C	325 - 349 = D+	Quizzes:	60 pts
300 - 324 = D	0 - 299 = F		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. Homework will not be graded.

Group Work: Some in-class group work will be given occasionally 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. No notes allowed on quizzes. 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: Questions are encouraged at any time.

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 1A
Winter Quarter 2016

	Monday	Tuesday	Wednesday	Thursday	Friday
Jan	4	5 **Ch 1**	6	7 **2.1/2.2**	8
Jan	11	12 **2.2/2.3** **Quiz 1**	13	14 **2.4/2.5**	15 **Drop Deadline (Jan 17)**
Jan	18 **Holiday**	19 **2.6/2.7** **Quiz 2**	20	21 **2.7/2.8** **Review**	22
Jan	25	26 **3.1** **Exam 1**	27	28 **3.2/3.3**	29
Feb	1	2 **3.4** **Quiz 3**	3	4 **3.5/3.6**	5
Feb	8	9 **3.7/3.8** **Quiz 4**	10	11 **3.8/3.9** **Review**	12 **Holiday**
Feb	15 **Holiday**	16 **3.10** **Exam 2**	17	18 **4.1/4.2**	19
Feb	22	23 **4.3/4.4** **Quiz 5**	24	25 **4.5/4.6**	26 **Withdrawal Deadline**
Feb/Mar	29	1 **4.5/4.6** **Quiz 6**	2	3 **4.6/Review**	4
Mar	7	8 **4.7** **Exam 3**	9	10 **4.8/10.1**	11
Mar	14	15 **10.2** **Quiz 7**	16	17 **Review**	18
Mar	21	22	23	24 **Final Exam** **4:00-6:00**	25

Math 1A – Student Learning Outcomes

Outcome 1: Analyze and synthesize the concepts of limits, continuity, and differentiation from a graphical, numerical, analytical and verbal approach, using correct notation and mathematical precision.

Outcome 2: Evaluate the behavior of graphs in the context of limits, continuity and differentiability.

Outcome 3: Recognize, diagnose, and decide on the appropriate method for solving applied real world problems in
optimization, related rates and numerical approximation.

Sec	Page	Problems
Ch1	73	1,3,5-8,9,10,11,13,15,17,19,22,23,25,26
2.1	86	1,2,4,5,7,9
2.2	96	3,4,7,8,10,12,17,19,24,31,38,40,43,46
2.3	106	1,6,10,15,20,21,33,36,37,39,44,48,51,54,60,63
2.4	116	2,5,8,9,11,12,17,20,29,34,36,39,42
2.5	127	3,5,7,9,11,12,18,21,25,33,36,39,42,46,48,51,57,61,64,65,69
2.6	140	2,3,6,11,12,19,28,33,39,42,48,55,58,62,64,67,72,75
2.7	150	1,4,5,9,12,14,16,22,25,28,35,42,43,44,48,51,53
2.8	162	1,3,12,14,19,24,27,32,35,36,37,44,46,47,52,57,58
3.1	181	2,5,7,10,24,28,35,41,44,50,51,54,58,62,63,67,69,73,78
3.2	189	1,5,10,15,26,27,30,33,36,40,43,46,49,51,53,57,58,61
3.3	197	3,10,12,17,20,24,25,28,31,35,36,38,41,42,45,53,54
3.4	205	1,4,7,14,17,34,40,47,55,58,59,61,63,65,74,77,81,84,91
3.5	215	2,7,14,20,21,23,29,34,37,44,50,56,62,65,74,80
3.6	220	2,9,16,24,27,31,34,35,43,44,52,55
3.7	233	1,6,8,9,12,15,18,23,25,29,31,33,36,37
3.8	242	2,3,5,8,11,13,16,18,20
3.9	248	2,5,8,11,13,18,24,26,27,33,38,40,44,46
3.10	255	3,6,9,12,15,20,25,30,33,34,41,43
4.1	280	2,5,8,13,16,21,29,34,41,48,52,61,65,70,73,74,76
4.2	288	1,5,7,10,11,18,21,23,28,29,34,35
4.3	297	2,4,7,8,11,12,19,23,25,31,36,46,53,56,63,64,74,80,83
4.4	307	1,8,13,26,33,48,53,61,68,69,73,77,80,82,88
4.5	317	2,5,13,18,30,38,52,56,61,69,76
4.6	324	3,6,9,11,13,20,25,28,33,36,40
4.7	331	1,7,10,11,15,18,27,30,34,39,44,46,48,57,59,66,68,69,77
4.8	342	1,4,6,11,13,20,24,30,32,35,37,40,42
4.9	348	3,9,17,22,23,27,32,37,40,41,44,50,51,53,55,62,69,71,74,77,78
10.1	641	2,5,9,14,16,21,24,25,28,29,33,37,40,41,45
10.2	651	1,4,5,7,10,11,14,15,18,21,26