

Math 1B De Anza College, Cupertino. Quarter- Summer 2016

Course: Math – D001B –05 Calculus 2 CRN # 00660
Time: MTWR, 12:30 p.m. to 2:45 p.m. Room – G 5

Prerequisite: Math 1A.

Texts and (1) Calculus Early Transcendentals, 7th Edition. Author: James Stewart

Equipment: (2) Graphing Calculator. TI-83 plus/ TI 84 plus Calculator.

Instructor: H. K. SHAH. Email: shahhemendra@fhda.edu

Office hours: Monday through Thursday, 3:00 to 3:25 p.m. room E 37.

Webassign course name: Calculus 2, Math 1B, Summer 2016. De Anza College. Class Key: deanza 5632 0549

Attendance: Students are expected to attend all class meetings without tardy. Student with three recorded absences may be dropped from the course. If student decides to drop the course, it is his/her responsibility to drop the course. *Disappearing from the class doesn't qualify for getting 'W' for the course, but will get "F" grade.* 15 points are assigned for full attendance.

Course Outline: Student Learning Outcome Statements (SLO):

- 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.

We will cover chapters 5 to 9 of above book. It covers Integrals, Applications of Integration, Techniques of Integration, Further Applications of Integration, and Differential Equations. This is an intensive course requiring ten to fifteen hours of work outside of class.

Homework: Students will do homework on internet using Enhanced WebAssign program at web address www.webassign.net/cengage. *You need to get the access code when you purchase the book.* WebAssign course name and class key is written above. You need class key when you create your account. *Late homework will not be accepted for grading purpose.*

Examinations: There will be three midterm tests each of one hour, and three quizzes each of 25 minutes. There will be no make-ups for missed tests, quizzes, or final examination. If only one test is missed due to unavoidable circumstance, and the instructor is notified in advance/quickly; the final exam score will be used to replace missed test/quiz. For students appearing in all exams, lowest test score will be replaced by % of final exam score, if student scored better (% wise) in the final exam compared to all tests.

A comprehensive final examination of two hours will be given on 4th August, 2016, during 12:30 to 2:30 p.m. in our classroom. Students remaining absent in the final examination will get F for the course. *All students are required to save corrected returned papers of quizzes and midterm tests. I may need it in certain situation.*

Disruptive behavior: De Anza College will enforce all policies and procedures set forth in the *Standards of Students Conduct* (refer catalogue). Any student disrupting a class may be asked to leave the class. Further disciplinary action by administration will follow.

Academic Integrity: It is assumed that all students will pursue their studies with integrity and honesty; however, all students should know that incidents of academic dishonesty like cheating and plagiarism are taken very seriously. Students involved in cheating will be dropped and get F for the course. Further disciplinary action by administration will follow.

Grades:

<u>Grade Scale</u>	<u>Points range</u>	<u>Percentage range</u>	<u>Examinations</u>	<u>Points</u>
A+ 4.0	476 to 500	95+ to 100 %	Three Tests	3x70 = 210
A 4.0	451 to 475	90+ to 95 %	Three Quizzes	3x25 = 75
A- 3.7	436 to 450	87+ to 90%	Homework	50
B+ 3.3	416 to 435	83+ to 87 %	attendance	15
B 3.0	396 to 415	79+ to 83 %	Final Exam.	<u>150</u>
B- 2.7	376 to 395	75+ to 79 %	Total points	500
C+ 2.3	351 to 375	70+ to 75 %		
C 2.0	326 to 350	65+ to 70 %		
D+ 1.3	306 to 325	61+ to 65 %		
D 1.0	296 to 305	59+ to 61 %		
D- 0.7	276 to 295	55+ to 59 %		
F 0.0	0 to 275	0 to 55 %		

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Instructor: H. K. Shah

Week # / Month	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1 June	27 5.1, 5.2	28 5.3, 5.4	29 5.4, 5.5 Last day for refund	30 Quiz – 1. HW-1 6.1, 6.2	1	2 July 3, Last day to add/drop with no grade record.
2	4 Independence Day Holiday	5 6.2, 6.3 Census Day	6 6.3, 6.4	7 6.5, 3.11	8	9
3	11 Review. HW-2 Test 1.	12 7.1, 7.2	13 7.3, 7.4	1 Quiz -2, HW 3 7.5	15	16
4 May	18 7.6,7.8	19 8.1,8.2	23 HW- 4, Review Test 2	21 8.3,8.4	22	5
5	25 Quiz – 3, 9.1	26 9.2,9.3	27 9.3, 9.4 HW-5	28 Anything left	29	30
6	1 HW- 6, Review Test 3	2 Whole Review	3 Whole review	4 Final Examination 12:30 to 2:30 p.m.	5	6

HW/Quiz/Test # ⇒	1	2	3	4	5	6
Homework assignment Sections/Chapters	Chapter 5	Chapter 6, Sec. 3.11	7.1 to 7.4	7.5 to 7.8	8.1 to 8.4	9.1 to 9.4
Sections to be covered For Quiz	Chapter 5	7.1 to 7.4	8.1 to 8.4	-----	-----	-----
Chapters/sections to be Covered for Test	Chapter 5, Chapter 6, Sec. 3.11	Chapter 7	Chapters 8, 9	-----	-----	-----

Final exam is comprehensive. It covers the entire syllabus.

Homework Exercises:

Section #	Exercises
5.1	2,3,4,13,17,25.
5.2	4,7,9,17,23,29,33,37,47,53,57,61.
5.3	3,9,11,17,21,25,35,41,45,49,55,67,69,78
5.4	5,10,17,23,35,37,41,49,51,59,61,67,69.
5.5	3,13,17,21,25,33,39,47,53,59,81,85.
True/False	Chapter 5. 1 to 12, 15 to 17.
6.1	1,3,9,11,11,17,19,21,31,37,46.
6.2	1,5,7,9,13,15,25,29,49.
6.3	1,5,7,13,17,21,37,39,45.
6.4	3,7,9,11,13,21.
6.5	1,7,11,14,17,21.
Concept check	Chapter 6. Page 457.
3.11	1,5,8,9,11,15,17,21,23,31,38,43,48,51,54.
7.1	3,9,11,15,17,19,25,27,37,39,43,45,55,57,65.
7.2	3,9,11,17,21,23,25,29,31,41,55,56,61,62.
7.3	5,7,9,11,13,15,17,22,23,29,33,37.
7.4	11,17,19,23,33,39,49,57.
7.5	1,5,9,14,23,27,41,49,63,75.
7.6	Nil

Section #	Exercises
7.8	1,7,13,21,27,31,49,51,55.
Concept check	1 to 4, 6 to 8. Page 529
True/false	1 to 7, 10 to 14. Page 530
8.1	5,7,11,13,19,21,31,33.
8.2	1,7,11,13,14.
8.3	21,23,27,29.
8.4	1,3,5,7.
Concept check	1,2,4,6. Page 575.
9.1	1,3,7,9,11,13.
9.2	1,3,7,9,13,21,27.
9.3	3,9,13,15,19,21,23,29,39,43,45.
9.4	1,3,5,7,9,17.
Concept check	1 to 9. Chapter 9. Page 629.
True/false	1 to 4. Page 629.

