

**Math 12****De Anza College, Cupertino.****Quarter- Spring 2015**

**Course:** Math – D012.–28, Calculus for Business Call # 42020  
 Time: TTh, 4:00 p.m. to 6:15 p.m. Room – G 2

**Prerequisite:** Mathematics 11, Finite Mathematics with C or better grade.

**Texts and Equipment:** (1) Calculus and its Applications. 10<sup>th</sup> Edition. Authors: Bittinger, Ellenbogen, and Surgent  
 (2) Graphing Calculator. TI-83 plus/ TI-84 Calculator.

**Instructor:** **H. K. SHAH.** Email; shahhemendra@fhda.edu  
 Office hours: Tuesdays and Thursdays, 3:00 p.m. to 3:50 pm, room E 37.

**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.** 10 points are assigned for full attendance. Five points will be deducted for each absence.

**Student Learning Outcomes (SLOs):** Outcome 1: Use correct notation and mathematical precision in the evaluation and interpretation of derivatives and integrals. Outcome 2: Evaluate, solve, interpret and communicate business and social science applications using appropriate differentiation and integration methodologies.

**Course Outline:** I shall cover Chapters R, 1 to 4, and partially chapter 5. It covers differentiation and its applications; Exponential and logarithmic functions, and their derivatives; Integration and its applications. **This is intensive and fast pacing course, requiring lot of practice to have clear understanding of the concepts.**

**Homework:** Students are doing homework on **MyMathLab.com** online. **Course ID is shah 83174.** Course title is, **Math D012.8, Calculus for Business, Spring 2015, De Anza College.** When you purchase book from the book store, you will get access code for the course. Follow instructions on **MyMathLab.com** for registration. Late homework will not be accepted for grading purpose.

**Examinations:** There will be three midterm tests each of one hour, and five quizzes each of 15 to 20 minutes. There will be no make-ups for missed tests, quizzes, or final examination. **If only one test/quiz 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 for all exams, lowest test score will be replaced by % of final exam score, **if scored better in the final exam.** A comprehensive final examination of two hours will be given on Tuesday, June 23, 2015 during 4:00 to 6:00 p.m. in our classroom. **Student 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.**

**Evening Office Coordinator:** Administrative office Phone: 864-8333

**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              | 456 to 475          | 91+ to 95 %             | Five Quizzes        | 5x20 = 100    |
| A- 3.7             | 436 to 455          | 87+ to 91 %             | Homework            | 60            |
| B+ 3.3             | 416 to 435          | 83+ to 87 %             | attendance          | 10            |
| B 3.0              | 396 to 415          | 79+ to 83 %             | Final Exam.         | <u>120</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 %               |                     |               |

**Math 12**

**De Anza College, Cupertino.**

**Quarter- Spring 2015**

**Course:** Math D012.28, Calculus for Business and Social Science Call # 42020

**Time-** TTh, 4:00 p.m. to 6:15 p.m. **Room-** G 2

**Text:** Calculus and its Applications. 10<sup>th</sup> Edition. Authors: Bittinger, Ellenbogen and Surgent.

Course ID and course title for MyMathLab: ID – **Shah 83174**

**Course title: Math D012.28, Calculus for Business, Spring 2015, De Anza College.**

**Instructor: H. K. Shah**

| Week #<br>Month | Monday                         | Tuesday  | Wednesday | Thursday                       | Friday                                     | Saturday   |
|-----------------|--------------------------------|--|-----------|--------------------------------|--|--|
| 1<br>April      | April 6                        | 7<br>Chapter R<br>Quiz-1,take home                       | 8         | 9<br>1.1, 1.2                  | 11   | 12   |
| 2               | 13                             | 14<br>Submit quiz - 1<br>HW-1,1.3, 1.4                   | 15        | 16<br>HW- 2, Quiz-2,<br>1.5    | 17   | 18<br>Last day to add.<br>Drop with no grade<br>record on 19 <sup>th</sup> . |
| 3               | 20                             | 21<br>1.6, 1.7   | 22        | 23<br>1.7, 1.8                 | 24   | 25   |
| 4               | 27                             | 28<br>HW-3, Review<br>Test - 1                           | 29        | 30<br>2.1, 2.2                 | May 1<br>Pass/no pass grade                | 19   |
| 5<br>May        | May 4                          | 5<br>2.3, 2.4  | 6         | 7<br>HW- 4, Quiz-3<br>2.5      | 8  | 9  |
| 6               | 11                             | 12<br>2.6, 2.7   | 13        | 14<br>HW-5, Quiz –4<br>3.1,3.2 | 15   | 16   |
| 7               | 18                             | 19<br>3.3, 3.4   | 20        | 21<br>3.5, 3.6                 | 22   | 23   |
| 8               | 25<br>Memorial Day,<br>holiday | 26<br>HW-6, Review<br>Test - 2                           | 27        | 28<br>4.1, 4.2                 | 29<br><b>Last day to drop<br/>with 'W'</b> | 16   |
| 9<br>June       | June 1                         | 2<br>4.3, 4.4  | 3         | 4<br>HW-7,Quiz-5<br>4.5        | 5  | 6  |
| 10              | 8                              | 9<br>4.6, 5.1  | 10        | 11<br>5.2,5.3                  | 12   | 13   |
| 11              | 15                             | 16<br>HW-8, Review.<br>Test – 3                          | 17        | 18<br><b>Whole review</b>      | 19   | 20   |
| 12              | 22                             | 23<br><b>Final<br/>Examination<br/>4:00 to 6:00 p.m.</b> | 24        | 25                             | 26   | 27   |

| # →  | 1                            | 2                    | 3                                | 4          | 5          | 6          | 7          | 8                       |
|------|------------------------------|----------------------|----------------------------------|------------|------------|------------|------------|-------------------------|
| Quiz | Chapter R,                   | 1.1 to 1.4           | 2.1 to 2.4                       | 2.5 to 2.7 | 4.1 to 4.4 | -----      | -----      | -----                   |
| HW   | Chapter R,                   | 1.1 to 1.4           | 1.5 to 1.8                       | 2.1 to 2.4 | 2.5 to 2.7 | 3.1 to 3.6 | 4.1 to 4.4 | 4.5, 4.6. 5.1<br>to 5.3 |
| Test | Chapters R and<br>chapter 1. | Chapters 2<br>and 3. | Chapters 4<br>and 5.1 to<br>5.3. | -----      | -----      | -----      | -----      | -----                   |

**All exams including final exam are show your work type exams. No multiple choice exams.**