

MATH 2243.002(Spring 2015)
Business Calculus
Class Information Sheet

Meet: 9:30 - 10:50 (TR) ROTHWELL 211

Instructor: Dr. Marcel B Finan Office: Corley 236

Office hours: 11:00 - 12:00 and 1:00 - 2:00 (M-F)

Phone: 964 - 0854

E-mail: mfinan@atu.edu

Course Webpage: faculty.atu.edu/mfinan/2243/lecnotes2.htm

Course Description: An introduction to the techniques of differentiation and integration. Emphasis will be placed on applications of calculus in business, economics, accounting, social sciences, and life sciences. May not be taken for credit after completion of MATH 2914 or equivalent.

Prerequisites: Completion of high school algebra I and II with a grade of C or better and a score of 22 or higher on the mathematics portion of the ACTE exam or MATH 1113.

Text: *Applied Calculus*, 5th Ed., Hughes-Hallett. Published by J. Wiley and Sons.

Assessment Method: There will be FOUR 100-point tests and a 100-point final exam. Grades will be assigned on total points as follows: A (450 - 500), B(400-449) ,C(350-399), D (300-349), and F (below 300). No make up exam will be given under any circumstances.

Sections to be Covered

Section 2.1: 3, 4, 5, 9, 11, 12, 13, 19, 20.

Section 2.2: 1, 2, 3, 8, 10, 11, 13, 15, 25, 27, 29.

Section 2.3: 1, 3, 5, 7, 11, 17, 19, 29, 48, 51, 52.

Section 2.4: 1, 2, 4, 5, 6, 7, 13, 17, 20, 28.

Section 2.5: 1, 3, 5, 9, 11, 12, 13, 15.

Test # 1

Section 3.1: 2, 5, 11, 21, 28, 43, 45, 49, 53, 61, 65.

Section 3.2: 3, 9, 17, 28, 33, 37, 46, 49, 51, 53.

Section 3.3: 19, 22, 25, 29, 31, 35, 36, 37, 39, 43.

Section 3.4: 7, 9, 15, 21, 28, 35, 37, 40, 41, 42.

Section 4.1: 1, 2, 3, 4, 15, 19, 24, 25, 27, 29, 34.

Test # 2

Section 4.2: 1, 2, 3, 4, 11, 13, 19, 25, 27, 29.

Section 4.3: 1, 2, 3, 7, 13, 18, 27, 31, 39.

Section 4.4: 1, 3, 7, 9, 11, 13, 19, 21.

Section 4.5: 1, 3, 4, 5, 7, 8, 9, 10.

Section 4.6: 1, 3, 5, 9, 12, 13, 15, 16, 17.

Test # 3

Section 5.1: 1, 3, 5, 7, 11, 14, 17, 21.

Section 5.2: 1, 3, 7, 9, 11, 15, 21, 22, 25.

Section 5.3: 1, 3, 6, 7, 9, 13, 19, 20, 23, 27.

Section 5.4: 1, 5, 9, 19, 25, 32, 34, 41.

Section 5.5: 1, 3, 5, 7, 8, 9, 14, 17.

Test # 4

Section 5.6: 1, 3, 6, 9, 11, 19, 20, 23.

Section 6.2: 1, 5, 6, 12, 13, 19, 27, 33, 45, 63, 66, 71, 87.

Section 6.3: 1, 7, 13, 19, 23, 26, 30, 33.

Section 6.4: 1, 3, 5, 7, 11, 14, 18.

Section 6.5: 1, 5, 7, 9, 13, 15, 17.

Final Exam