

Syllabus: Math 1100-02 – S'12
Business Calculus (20399)
TR, 1:00pm, NIB 144
Text: Calculus and Its Applications,
10th ed., Bittinger, Ellenbogen
Prerequisite: Math 1050 (C or better)
or ACT-Math/CPT score of 26+

Instructor: Barbara Blythin
Office: NIB 148
Telephone: 652-7765
E-mail: blythin@dixie.edu
Office hours:
M: 1:00-3:00pm
W: 9:00am-12:00pm, 1:00-2:00pm
and by appointment

DIXIE STATE COLLEGE COURSE OBJECTIVES:

All mathematics courses at Dixie State College will:

1. Require students to perform mathematical processes, including fractions, percentages, decimals, proportions/ratios, algebraic equations, and/or calculus techniques.
2. Provide students with application problems that use a variety of methods, including arithmetic, algebraic, and geometric.
3. Challenge students to make inferences from mathematical models that include formulas, graphs, and/or tables.
4. Provide students with real-life applications that use a variety of mathematical functions.

Upon successful completion of Math 1100, a student will demonstrate through testing the ability to:

1. Discuss and analyze the concept of limits and the interrelationships of the graphic, numeric, and symbolic approaches to limits.
2. Discuss and analyze the interpretations of functions and their first and second derivatives.
3. Apply basic calculus techniques to data and functions that serve to model real-life applications of business, economics, social science, and architecture careers.
4. Apply the definite integral as the limit of a sum to applications in the areas of business, economics, sociology, and ecology.

INSTRUCTOR EXPECTATIONS:

1. Attendance is of prime importance in any college class but especially in a mathematics class. Therefore, students should make every effort to show up.
2. Homework will be collected, graded, and returned on each test day. Late homework will receive half-credit; too-late homework will receive no credit.
3. A graphing calculator is required.
4. Cheating will not be tolerated and may result in an F.
5. Without prior permission or a documented excuse, make-up test grades will be reduced by 10%.
6. Occasional pop quizzes may be given; points will be added to the homework points.

GRADING:

5 tests @ 100 points each
5 HWs @ 20 points each
Final exam @ 200 points
a total possible 800 points

Grades by percentages:
A: 93-100; A-: 90-92;
B+: 87-89; B: 83-86; B-: 80-82for
C+: 77-79; C: 70-76; C-: 65-69
D: 60-64; F: <60

NOTE: Students with medical, psychological, learning or other disabilities desiring reasonable academic adjustment, accommodations, or auxiliary aids to be successful in this class will need to contact the Disability Resource Center Coordinator for eligibility determination. Proper documentation of impairment is required in order to receive services or accommodations. DRC is located at the ground floor of the Financial Aid Office. Visit or call 652-7516 to schedule an appointment to discuss the process. The DRC Coordinator determines eligibility for and authorizes the provision of services.

NOTE: All information sent from the college or the instructor will be sent to your Dixie mail account. You MUST check that email account at least once a week. You are responsible for knowing what is contained within those messages.

TENTATIVE HOMEWORK SCHEDULE – S'12

Note: eoo means Every-Other Odd-numbered homework problem, i.e., 1, 5, 9, 13, 17, . . .

Date Assigned	Section	Assignment
T 1/3	R.1 // R.2	Diagnostic Test A, p. xix, all 1-32
R 1/5	R.3 // R.4	Diagnostic TestB, p. xix, all 1-18
T 1/10	R.5 // R.6	Chap. R Test, pp. 88-89, all 1-21, 23-27
R 1/12	1.1 // 1.2	eoo 65-93 // eoo 9-73
T 1/17	1.3 // 1.4	eoo 25-45, 53 // eoo 1-13 (part c only), 17-37, 45-49
R 1/19	1.5 // 1.6	eoo 33-93 // eoo 21-33, 41-45, 97-109
T 1/24	1.7 // 1.8	eoo 1-29, 53-61, 69-85 // eoo 1-57
R 1/26	Review	Chap. 1 Test, pp. 192-193, odds 5-39
T 1/31	Test 1 (Chapter 1)	
R 2/2	2.1 // 2.2	eoo 1-33, 81, 89 // eoo 9-33, 49-53
T 2/7	2.3 // 2.4	eoo 1-53, 65 // eoo 49-85, 97-105
R 2/9	2.5 // 2.6	eoo 1-37 // eoo 1-21
T 2/14	2.7	eoo 1-37; odds 39-41, 45-47
R 2/16	Review	Chap. 2 Test, pp. 303-304, odds 1-29
T 2/21	Test 2	
R 2/23	3.1 // 3.2	eoo 21-49, 77-85 // eoo 53-89
T 2/28	3.3 // 3.4	eoo 9-21, 29-45 // eoo 1-37
R 3/1	3.5 // 3.6	eoo 5-17, 37-45 // eoo 1-13
T 3/6	Review	Chap 3 Test, pp. 384-385, odds 1-21
R 3/8	Test 3	
T 3/20	4.1 // 4.2	eoo 1-69 // odds 13-23
R 3/22	4.3 // 4.4	eoo 25-37, 45-61, 69-77, 85-89 // 5; eoo 21-61
T 3/27	4.5	eoo 1-57
R 3/29	Review	Chap. 4 Test, pp. 468-469, odds 3-15, 21-27
T 4/3	Test 4	
R 4/5	5.1 // 5.2	eoo 1-13 // eoo 1-13, 21-25, 41-45
T 4/10	5.3 // 5.6	eoo 1-41 // eoo 1-17
R 4/12	6.1 // 6.2 // 6.6	eoo 1-21 // eoo 1-37 // odds 1-15
T 4/17	Review	Chap. 5 Test, p. 543, odds 1-7, 11-13, 27 Chap. 6 Test, p. 599, odds 1-7, 13
R 4/19	Test 5	
T 4/24	Review for final	
R 4/26	Review for final	
R 5/3	Final Exam, 12:30-2:30pm	

Regular Semester Dates

Jan 9	Classwork Starts
Jan 11	Last Day to Add Without Signature
Jan 16	Martin Luther King Jr. Day
Jan 17	Drop/Audit Fee Begins (\$10 per class)
Jan 24	\$50 Late Registration/Payment Fee
Jan 30	Graduation Application Deadline
Jan 31	Pell Grant Census
Jan 31	Last Day for Refund
Jan 31	Last Day to drop without receiving a "W" grade
Feb 1	Courses dropped for non-payment
Feb 3	Last Day to ADD Classes
Feb 20	President's Day
Feb 27	Mid-Term Grades Due
Mar 2	Last Day to DROP/AUDIT Classes
Mar 12-16	Spring Break
Mar 19	Summer Registration open to Seniors (90+ earned credits)
Mar 20	Summer Registration open to Juniors (60+ earned credits)
Mar 21	Summer Registration open to Sophomores (30+ earned credits)
Mar 22	Summer Registration open to All Students
Apr 6	Last Day for Complete Withdrawal
Apr 16	Fall Registration open to Seniors (90+ earned credits)
Apr 17	Fall Registration open to Juniors (60+ earned credits)
Apr 18	Fall Registration open to Sophomores (30+ earned credits)
Apr 19	Fall Registration open to All Students
Apr 26	Classwork Ends
Apr 27	Final Exams
Apr 30, May 1-3	Final Exams
May 4	Commencement

Blythin's Final Exam Schedule

Fri - April 27		Mon - April 30		Wed - May 2		Thur - May 3	
MTWR		MTWR		MTWR		TR	
Class Time	Exam Time	Class Time	Exam Time	Class Time	Exam Time	Class Time	Exam Time
9:00am	10:00-12:00pm	10:00am	9:30-11:30am	11:00am	10:00-12:00pm	1:00pm	12:30-2:30pm

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