

MATH 1100 (40120-50)
North Instructional Bldg 133
Fall 2010
Office: NIB 134

5:15 pm - 6:30 pm
Tuesday / Thursday (4 CR)
4 Credit Hours

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Hours: 8:00 – 8:30 p.m. T/Th and by appointment
Text: Calculus and Its Applications, 9th ed., Bittinger, Ellenbogen
Prerequisite: Math 1050 (C or better) or ACT-Math/CPT score of 26+

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. Please label each homework assignment VERY clearly. Late homework will receive half-credit (up to one week after the exam). Too-late homework will receive no credit.
3. A graphing calculator is required. A TI-84 will be used in class.
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 20%. The lowest test score (not including the final) will be dropped at the end of the semester; therefore the first test missed by a student will result in a 0 and be dropped (no make-up). Any make-up test thereafter will have points deducted.
6. Quizzes will be given each week (see Blackboard Vista) and no late or make-up quizzes will be allowed. The 2 lowest quiz scores will be dropped.

GRADING:

5 Exams	5 HW	15 Quizzes	Final Exam	Drop 120 points
100 Each	25 Each	10 Each	100 Points	TOTAL
=500 points	= 125 points	=150 points	= 100 points	= 755 points

Grades by percentages:

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

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.

All information sent from the college 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.

A DSC Calendar that includes all dates relative to the current semester at the college is available at <http://new.dixie.edu/reg/?page=fall2010>

All students enrolled in this class MUST complete the online form for the instructor during the first week. Students who do not complete this form may be dropped from the class. Access the form through the link on Blackboard Vista. If you cannot get the link, send me an e-mail (reimer@dixie.edu)

ASSIGNMENT SCHEDULE (Math 1100, F10, Tu/Th 5:15 p.m.) 40120**Note:** eoo means Every-Other Odd-numbered homework problem, i.e., 1, 5, 9, 13, 17, . . .

8/24	T	Ch. R Review	all 15-48	
8/26	R	Ch. R Review	all 49-57	
8/31	T	1.1 & 1.2	eoo 13-73	eoo 9-61
9/2	R	1.3 & 1.4	eoo 1-13 (part a only), 17-41, 49-53	eoo 17-33, 41
9/7	T	1.5 & 1.6	eoo 25-89	eoo 21-33, 41-45, 101, 109-113
9/9	R	1.7 & 1.8	eoo 1-41, 57-69, 77-81	eoo 1-53
9/14	T	Review	Chap. 1 Test: odds 1-39	
9/16	R	TEST 1	In Class	
9/21	T	2.1 & 2.2	eoo 1-29, 69-77	eoo 9-13, 21-29, 37-41, 49, 105
9/23	R	2.3 & 2.4	eoo 25-41, 57-61	eoo 49-97, 105
9/28	T	2.5 & 2.6	eoo 1-13, 21, 29-33, 45	odds 1-9
9/30	R	2.7	eoo 1-45	
10/5	T	Review	Chap. 2 Test: odds 1-33	
10/7	R	No Class		
10/12	T	TEST 2	In Class	
10/14	R	3.1 & 3.2	eoo 13-53, 77-89	eoo 17-85
10/19	T	3.3 & 3.4	eoo 9-21, 29-37, 45	eoo 1-21, 29, 37
10/21	R	3.5 & 3.6	eoo 1-41	eoo 1-13
10/26	T	Review	Chap. 3 Test: odds 1-21	
10/28	R	TEST 3	In Class	
11/2	T	4.1 & 4.2	eoo 13-29	eoo 1-69
11/4	R	4.3 & 4.4	eoo 9-13, 25-29, 37, 45-69, 77, 89	eoo 13-45, 53-57
11/9	T	4.5	eoo 1-33, 41-49, 57, 65	
11/11	R	Review	Chap. 4 Test: odds 3-13, 19-23	
11/16	T	TEST 4	In Class	
11/18	R	5.1 & 5.2	eoo 1-13	eoo 1-29
11/23	T	5.3 & 5.6	eoo 1-13, 21-37	eoo 1-17
11/30	T	5.7 & 6.1	9, 15, 17, 21, 23, 25, 33	eoo 1-13
12/2	R	6.2 & 6.6	eoo 1-45, 53	eoo 1-13
12/7	T	Review	Chap. 5 Test: odds 1-11, 25-31	Chap. 6 Test: odds 1-3, 7
12/9	R	TEST 5	In Class	
12/16	R	FINAL EXAM	In Class (Comprehensive)	

Changes will be announced in class. Students are responsible for all changes made.