

**SYLLABUS---MATH 1050-08 (Room 150 - Time 800 am)**

**COLLEGE ALGEBRA/PRECALCULUS**

**CRN # 20384**

**SPRING SEMESTER, 2009**

**M, TU, TH, FRI**

Instructor: Robert J Comeford

Credits: 4 Hours

Text: **College Algebra**

Tenth Edition

Lial, Hornsby, Schneider

Office: NIB Room 123

comeford@dixie.edu

Hours: Tue and Thur 7:00 & 9:00 am

**1. OBJECTIVES:** All classes in mathematics at Dixie College support the general education goal of the college, and will:

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

Upon successful completion of this course, the students will demonstrate through testing the ability to:

1. Apply functional notation.
2. Determine symmetries that exist in the graph of an equation.
3. Graph polynomial functions and find their intercepts, maxima, and minima.
4. Analyze the key components of the graph of polynomial and rational functions.
5. Compute the composition and inverses of functions.
6. Graph exponential and logarithmic functions.
7. Apply properties of logarithms and exponents in simplifying expressions and solving equations.
8. Solve systems of linear equations using substitution, elimination, matrices, and Cramer's rule.
9. Solve non-linear systems of equations and inequalities.
10. Find terms and sums of terms of arithmetic and geometric sequences and series.
11. Compute the terms of a binomial expansion.

(Prerequisite: C or better in Math 1010 or ACT score of 23 or higher)

**If you are a student with a medical, psychological, or learning disability and need accommodations, contact the Disability Resource Center (652-7516) in the Student Services Center. The Disability Resource Center will determine your and the appropriate accommodations related to your disability.**

**2. CALCULATORS:** A graphing calculator is required. The TI-83 Plus/84 will be used in class and is highly recommended.

**3. EXAMINATIONS:** Each student is expected to take the examinations as scheduled in the syllabus. Make-up exams will be given at the discretion of the instructor, and only if prior arrangements have been

made. A final comprehensive exam will be given at the end of the term. The lowest test score can be replaced with the percent earned on the final exam.

**4. ATTENDANCE:** Attendance is essential and roll will be taken. Tardiness will be frowned upon and may invoke the ire of the instructor.

**5. ASSIGNMENTS.** Homework assignments are to be done each day, but will only be collected on the day of the test. Put all homework together and at the top include: (for example)

John Doe  
Math 1050, 8:00  
Ch. 1  
ALL - ?

**6. HELP:** I am available for help during posted office hours, and other times by appointment. There are also tutors available in the Browning Resource Center.

**7. GRADES:** Grades will be based on the ratio of the number of points earned by the student to the total number of points possible on all assignments and examinations. Grades will be given to you after each test. Grades will be assigned as follows:

<b>A</b>	100 – 94%	<b>B</b>	86 – 83%	<b>C</b>	74 – 70%	<b>D</b>	59 – 55%
<b>A-</b>	93 – 90%	<b>B-</b>	82 – 80%	<b>C-</b>	69 – 65%	<b>D-</b>	54 – 50%
<b>B+</b>	89 – 87%	<b>C+</b>	79 – 75%	<b>D+</b>	64 – 60%	<b>F</b>	49 – 0%

**ASSIGNMENT SCHEDULE (M-1050-08 M,Tu,Th) #20384**

JAN	M- 5	R.3	11-27 EOO, 33-89 EOO	Tu	10	4.2	1-25 EOO, 49-77 EOO, 71,75,83		
	Tu	6	R.4	1-73 EOO, 79-103 EOO					
	Th	8	R.5	1-69 EOO	Th	12	4.3	1-29 ODD,59-87 ODD,91	
	Fr	9	R.6	1-97 EOO	Fr	13	4.4	1-81 EOO, 3,7,47,X57	
	M	12	R.7	1-85 EOO, 99,101,103	M-F	16-20		NO SCHOOL	
	Tu	13		REVIEW	M	23	4.5	1-77 EOO,12,23,39,60 71,75	
	<b>Th</b>	<b>15</b>	<b>TEST CH. R</b>						
	Fr	16	1.1	1-65 EOO, 3,7	Tu	24	4.6	1-4 ALL, 5-41 EOO,20, X17	
	M	19		NO SCHOOL					
	Tu	20	1.2	1-11 ODD, 15-39 EOO, 17,25	Th	26	4.6	CONT.	
					Fr	27		REVIEW	
	Th	22	1.3	1-77 EOO, 3,7,83,87	<b>M</b>	<b>30</b>		<b>TEST CH. 4</b>	
			1.4	1-77 EOO, 3,7,31	Tu	31	5.1	9-53 EOO,69,73,77,87	
	Fr	223	1.5	1-45 EOO, 3,57	<b>APR</b>	<b>th</b>	<b>2</b>	5.3	1-45 EOO, 61,63,65,75
	M	26	1.6	1-77 EOO,27,93,97	Fr	3	5.5	1-37 EOO,47,51,55	
	Tu	27	1.7	1-53 EOO, 55-59 ALL, 61-77 EOO, 95	M	6	5.6	1-17 EOO, 29-45 EOO, 71,73,75,79,81	
	Th	29	1.8	1-8 ALL, 9-65 EOO, 81,85,89	Tu	7	7.1	7-43 EOO, 53-65 EOO, 25,77	
	Fr	30		REVIEW	Th	9	7.2	1-61 EOO,23, 69,72,73 X29	
<b>FEB</b>	<b>2</b>		<b>TEST CHAPTER 1</b>	Fr	10	7.3	5-41 EOO,57,61,64,65		
	Tu	3	2.1	13-57 EOO, X41	M	13	7.3	CONT. and VASA	
	Th	5	2.2	3-27 EOO, 37-49 EOO	Tu	14		REVIEW	
	Fr	6	2.3	1-13 EOO, 17-22 ALL, 23-83 EOO	<b>Th</b>	<b>16</b>		<b>TEST CHS. 5, 7</b>	
	M	9	2.4	1-6 ALL, 9-21 EOO, 25-28 ALL, 31-55 EOO, 59-65 ALL	Fr	17	7.4	1-45 EOO, 42,47,49	
					M	20	7.6	1-61 EOO,35,39,55	
							7.7	1-33 EOO, 35	
	Tu	10	2.5	1-4 ALL, 5-57 EOO, 59	Tu	21		FINAL REVIEW	
	Th	12	2.6	1-10 ALL, 11-47 EOO, 45, 49,50	Th	23		FINAL REVIEW	
	Fr	13	2.7	1-69 EOO, 3,15,31,67, 68,70,71,72	Fr	24		<b>FINAL EXAM 7:30-9:30 am</b> <b>In Class</b>	
	M	16		NO SCHOOL					
	Tu	17	2.8	1-85 EOO					
	Th	19		REVIEW					
	<b>Fr</b>	<b>20</b>	<b>TEST CHAPTER 2</b>						
	M	23	3.1	1,3,5-8 ALL,12, 13-22 ODD, 37-46 ALL, 47-59 EOO,28,30,67					
	Tu	24	3.2	1-33 EOO,15,41,43,45					
	Th	26	3.3	5,7,9,17,19,21,27,49					
	Fr	27	6.1	1-41 EOO, 31,39,51,53 X 13,17					
<b>MAR</b>	<b>2</b>		6.2	1-25 EOO,43,48					
	Tu	3	3.6	1,3, 7-10 ALL, 11-39 EOO, 25					
	Th	5		REVIEW					
	<b>Fr</b>	<b>6</b>	<b>TEST CH 3, 6.1, 6.2</b>						
	M	9	4.1	1-17 ODD, 19-26 ALL, 35-79 EOO, 77					

**SEE BACK OF THIS PAGE FOR  
IMPORTANT DATES.**

# ACADEMIC CALENDAR

<b>SPRING SEMESTER 2009</b>	<b>SPRING BLOCK</b>
Jan 5      Classwork begins (tuition and fees due)	Feb 17      Block classes begin (tuition and fees due)
Jan 7      Last day to add classes without signature	Feb 19      Last day to add without instructor permit
Jan 19     Martin Luther King Day Holiday	Feb 23      Pell Grant Census date for Block only students
Jan 20     \$50 late registration/payment fee	Feb 23      \$50 late registration/payment fee
Jan 27     Last day for refund	Feb 26      Last day for refund
Jan 27     Last day to drop without receiving a W grade	Feb 26      Last day to drop without receiving a W grade
Jan 27     Pell Grant Census date	Feb 27      Students dropped for non-payment
Jan 28     Students dropped for non-ayment	Mar 2       Last day to ADD Block classes
Jan 30     Last day to ADD classes	Mar 16-20   Semester Break
Feb 16     Presidents Day Holiday	Mar 23      Last day to DROP or audit block classes
Feb 17     Block courses begin	Mar 27      Last day for complete withdrawal
Feb 27     Last day to DROP or AUDIT classes	Apr 23      Classwork ends
Mar 16-20   Semester Break	Apr 24-30   Final Exams
Mar 27     Last day for complete withdrawal	May 1       Commencement
Apr 23     Classwork ends	
Apr 24-30   Final Exams	
May 1      Commencement	

**PLEASE NOTE THAT YOU CAN ADD AND DROP YOUR CLASSES ONLINE UNTILE JANUARY 7, 2009.**

## SPRING SEMESTER FIVE-DAY FINAL EXAM SCHEDULE

Friday, April 24	Monday, April 27	Tuesday, April 28	Wednesday, April 29	Thursday, April 30
Daily, MWF, MW, M Only	Daily, MWF, MW, M Only	TR, T Only	Daily, MWF, MW, M Only	TR, T Only
Class Time   Exam Time	Class Time   Exam Time	Class Time   Exam Time	Class Time   Exam Time	Class Time   Exam Time
7:00          7:00-9:00	8:00          7:30-9:30	9:00          8:00-10:00	9:00          10:00-12:00	7:30/8:00   7:00-9:00
10:00        9:30-11:30	11:00        10:00-12:00	12:00        11:00-1:00	12:00        12:30-2:30	10:30        9:30-11:30
1:00          12:00-2:00	2:00          12:30-2:30	2:30          2:00-4:00	3:00          3:00-5:00	1:00          12:30-2:30
4:00          2:30-4:30				

  

Friday Only Classes	MW or M Only Classes	TR or T Only Classes	W Only Classes	R (Thursday) Only Classes
5:00          5:00	5:00          5:00	5:00          5:00	5:00          5:00	5:00          5:00
7:30          7:30	7:30          7:30	7:30          7:30	7:30          7:30	7:30          7:30

### BACHELOR DEGREE REGISTRATION AND ADVISEMENT

To be admitted in a bachelor degree program you must be a matriculated Dixie State College student. In addition, certain B.S. programs (elementary education, nursing, business administration and CIT) require a secondary admission process after pre-core requirements are met. For help in this process, see advisor:

- ACCOUNTING ADVISOR: Shari Gowers, HAZY 347  
(435) 652-7745, gowers@dixie.edu Appointments:  
<http://cactus.dixie.edu/gowers/viewweek.asp>
- AVIATION MANAGEMENT ADVISOR: Roy Caldwell,  
(435) 652-7726, rcaldwell@dixie.edu, HAZY 333
- BIOLOGY ADVISOR: Karen Bauer, SCI 102  
(435) 652-7772, bauer\_k@dixie.edu
- BUSINESS ADVISOR: Shari Gowers, HAZY 347  
(435) 652-7745, gowers@dixie.edu Appointments:  
<http://cactus.dixie.edu/gowers/viewweek.asp>
- COMMUNICATION ADVISOR:  
Randal Chase, ECCLES 112, (435) 652-7990,  
chase@dixie.edu

### COMPUTER AND INFORMATION TECHNOLOGY (CIT)

- ADVISORS: Shari Gowers, HAZY 347  
(435) 652-7745, gowers@dixie.edu Appointments:  
<http://cactus.dixie.edu/gowers/viewweek.asp> Bryan  
Parker, HAZY 348, (435) 652-7975, bparker@dixie.edu
- CRIMINAL JUSTICE ADVISOR: Scott Julian, McDonald,  
(435) 652-7894, julian@dixie.edu
- DENTAL HYGIENE ADVISOR: Karmen Aplanalp, JEN 107B  
(435) 652-7875, aplanalp@dixie.edu
- EDUCATION ADVISOR: Elementary Ed.: Hazel Colebank, ...  
EDFAM 139 (435) 652-7846, colebank@dixie.edu  
Secondary Ed.: Tracey Wheeler, (435) 652-7742,  
wheeler@dixie.edu
- ENGLISH ADVISOR: Sue Bennett, MCDON 213  
(435) 652-7925, bennett@dixie.edu
- INTEGRATED STUDIES ADVISOR: Darl Biniaz, BROWN207  
(435) 652-7813, biniaz@dixie.edu
- MUSIC/THEATRE ADVISOR: Glenn Webb, ECCLES 103  
(435) 652-7969, webbg@dixie.edu
- NURSING ADVISOR: Alice Clegg, TAYLOR 103  
(435) 652-7899, clegg@dixie.edu