

**SYLLABUS---MATH 1050**  
**COLLEGE ALGEBRA/PRECALCULUS**  
**CRN# 24348/24349**  
**SPRING SEMESTER, 2011**  
**M,Tu,Th,F 8:00**

Instructor: Odean Bowler  
Credits: 4 Hours  
Text: College Algebra  
Tenth Edition  
Lial, Hornsby, Schneider

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Hours: by appointment

**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)

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 ( Baako Wahabu) 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 appointment to discuss the process. DRC Coordinator determines eligibility for and authorizes the provision of services.

**2. CALCULATORS:** A graphing calculator is required. The TI-83 Plus/84 will be used in class and is highly recommended. Instruction can also be given on the TI-85, TI-86, TI-89 and TI-92.

**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.

**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 or about the day of the test. Staple all homework together, fold in half lengthwise, and at the top include: (for example)

John Doe  
Math 1050,  
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. SEMESTER SCHEDULE:** <http://new.dixie.edu/reg/?page=spring2011>

**8. 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 assigned as follows:

<b>A</b>	100 – 93%	<b>B</b>	85 – 82%	<b>C</b>	72 – 70%	<b>D</b>	56 – 53%
<b>A-</b>	92 – 90%	<b>B-</b>	81 – 78%	<b>C-</b>	69 – 60%	<b>D-</b>	52 – 50%
<b>B+</b>	89 – 86%	<b>C+</b>	77 – 73%	<b>D+</b>	59 – 57%	<b>F</b>	49 – 0%

24348 ASSIGNMENT SCHEDULE (M-1050,S11.57 M,Tu,TH,F) 24349

JAN	10	R.4	1-73 EOO, 79-103 EOO	Th	24	REVIEW
	Tu	11	R.4 CONT.	F	25	TEST CH. 4
	Th	13	R.5 1,5,17,21,31,39,51,55,57,59	M	28	5.1 9-53 EOO,69,73,77,87
	F	14	R.6 1-69 EOO	Tu	29	5.3 1,5,9,13,17,45,61,65,75
	M	17	NO SCHOOL	Th	31	5.5 1-37 EOO,47,51,55
	Tu	18	1.1 1-65 EOO, 3,7	F	1	5.6 1,5,29,33,71
	Th	20	1.2 1-11 ODD, 15-39 EOO,17	APR	4	6.1 1-41 EOO,31,39,51,53, X 13,17
	F	21	1.3 1-77 EOO, 3,7,83,87			
	M	24	1.4 1-77 EOO, 3,7,31	Tu	5	6.2 1,5,15,17,25,43,48
				Th	7	6.2 CONT. 6.3 TBA
	Tu	25	1.5 1-45 EOO, 3,57	F	8	REVIEW
	Th	27	1.6 1-77 EOO,27,93,97	M	11	TEST CHS 5-6
	F	28	1.7 1-53 EOO, 55-59 ALL, 61-77 EOO, 95	Tu	12	7.1 7-43 EOO, 53-65 EOO, 25,77
	M	31	1.8 1-8 ALL, 9-65 EOO, 81,85,89	Th	14	7.2 1-61 EOO,23,69, 72,73, X 29
FEB	1		REVIEW	F	15	7.3 5-41 EOO,57,61,64,65
	Th	3	TEST CHAPTER 1	M	18	7.3 CONT.
	F	4	2.1 13-57 EOO, X41	Tu	19	7.4 1-45 EOO,42,47,49
	M	7	2.1 CONT.	Th	21	7.4 CONT.
	Tu	8	2.2 3-27 EOO, 37-49 EOO, 42	F	22	7.6 1-49 EOO,35,39,55,X55d
	Th	10	2.3 1-13 EOO, 17-22 ALL, 23-83 EOO	M	25	REVIEW
	F	11	2.4 1-6 ALL, 9-21 EOO, 25-28 ALL, 33,39,55, 59-65 ALL	Tu	26	TEST CH 7
				Th	28	FINAL REVIEW
	M	14	2.5 1-4 ALL, 5-57 EOO, 59	MAY		
	Tu	15	2.6 1-10 ALL, 11-47 EOO, 45, 49,50, X 31,43	M	4	FINAL EXAM 7:30-9:30 am
	Th	17	2.7 1-69 EOO, 3,15,31,67, 68,70,71,72			
	F	18	2.8 1-85 EOO			
	M	21	NO SCHOOL			
	Tu	22	REVIEW			
	Th	24	TEST CHAPTER 2			
	F	25	3.1 1,3,5-8 ALL,12, 13-25 ODD, 27-30 ALL, 47,49,51,55			
	M	28	3.2 1-33 EOO,15,41,43,45			
MAR	1	3.3	5,7,9,17,19,21,27,29,41			
	Th	3	3.6 1,3, 7-10 ALL, 11-39 EOO, 25			
	F	4	4.1 1-17 ODD, 19-26 ALL, 35-79 EOO, 77			
	M	7	4.2 1-25 EOO, 49-77 EOO, 71,75,83			
	Tu	8	4.3 1-29 ODD,59-87 ODD,91			
	Th	10	4.4 1-81 EOO. 3,7,47,X57			
	F	11	4.5 1-77 EOO.12,23,39, 60,71,75			
M-F	14-18		NO SCHOOL			
	M	21	4.5 CONT.			
	Tu	22	4.6 1-4 ALL, 5-41 EOO, 20, X 17			

## FINAL EXAM SCHEDULE

Fri - Apr 29	Mon - May 2	Tue - May 3	Wed - May 4	Thur - May 5
Daily, MWF, MW, M Only	Daily, MWF, MW, M Only	TR, T Only	Daily, MWF, MW, M Only	TR, Thur Only
<b>Class Time</b>	<b>Class Time</b>	<b>Class Time</b>	<b>Class Time</b>	<b>Class Time</b>
<b>Exam Time</b>	<b>Exam Time</b>	<b>Exam Time</b>	<b>Exam Time</b>	<b>Exam Time</b>
7:00	7:00-9:00	9:00	9:00	7:30/8:00
10:00	9:30-11:30	12:00	10:00-12:00	7:00-9:00
1:00	11:00	2:30	12:30-2:30	10:30
4:00	10:00-12:00		2:00-4:00	9:30-11:30
	2:00		3:00	12:30-2:30
	12:30-2:30		3:00-5:00	
	<b>MW or M Only Classes</b>	<b>TR, Tues Only Classes</b>	<b>Wed Only Classes</b>	<b>Thur Only Classes</b>
<b>Fri Only Classes</b>	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

Final exams for Fri/Sat courses will take place during regularly scheduled class times on April 30th

### Regular Semester Dates

Nov 15	Registration open to Seniors (90+ credits)
Nov 16	Registration open to Juniors (60+ credits)
Nov 17	Registration open to Sophomores (30+ credits)
Nov 18	Open Registration
Jan 10	Classwork Starts
Jan 12	Last Day to Add Without Signature
Jan 17	Martin Luther King Jr. Day
Jan 18	Drop/Audit Fee Begins (\$10 per class)
Jan 25	\$50 Late Registration/Payment Fee
Jan 31	Graduation Application Deadline
Feb 1	Pell Grant Census
Feb 1	Last Day for Refund
Feb 1	Last Day to drop without receiving a "W" grade
Feb 2	Courses dropped for non-payment
Feb 4	Last Day to ADD Classes
Feb 21	President's Day
Feb 28	Mid-Term Grades Due
Mar 4	Last Day to DROP/AUDIT Classes
Mar 14-18	Spring Break
Mar 21	Summer Reg. open to Seniors (90+ credits)
Mar 22	Summer Reg. open to Juniors (60+ credits)
Mar 23	Summer Registration open to Soph (30+ credits)
Mar 24	Summer Registration open to all students
Apr 1	Last Day for Complete Withdrawal
Apr 11	Fall Registration open to Seniors (90+ credits)
Apr 12	Fall Registration open to Juniors (60+ credits)
Apr 13	Fall Registration open to Soph (30+ credits)
Apr 14	Fall Registration open to all students
Apr 28	Classwork Ends
Apr 29	Final Exams
May 2-5	Final Exams

### Block Schedule Dates

Jan 31	Graduation Application Deadline
Feb 21	President's Day
Feb 22	Classwork Starts
Feb 24	Last Day to Add Without Signature
Feb 28	\$50 Late Registration/Payment Fee
Mar 3	Pell Grant Census
Mar 3	Last Day for Refund
Mar 3	Last Day to drop without receiving a "W" grade
Mar 4	Courses dropped for non-payment
Mar 7	Last Day to ADD Classes
Mar 14-18	Spring Break
Mar 21	Summer Registration open to Seniors (90+ credits)
Mar 22	Summer Registration open to Juniors (60+ credits)
Mar 23	Summer Reg. open to Sophomores (30+ credits)
Mar 24	Summer Registration open to all students
Mar 28	Last Day to DROP/AUDIT Classes
Apr 1	Last Day for Complete Withdrawal
Apr 11	Fall Registration open to Seniors (90+ credits)
Apr 12	Fall Registration open to Juniors (60+ credits)
Apr 13	Fall Registration open to Sophomores (30+ credits)
Apr 14	Fall Registration open to all students
Apr 28	Classwork Ends
Apr 29	Final Exams
May 2-5	Final Exams
May 6	Commencement