

SYLLABUS---MATH 1050 MML SECTION 10
COLLEGE ALGEBRA/PRECALCULUS
CRN# 24361
SPRING SEMESTER, 2013
M,Tu,W,F 12:00

Instructor: ODEAN BOWLER
Credits: 4 Hours
Text: (Optional) College Algebra
11th Edition
Lial, Hornsby, Schneider

Office: NIB 134 668-1560
bowler@dixie.edu
Hours: 11 -12 M-F

Computer Software: Purchase access code from the Book Store
You can either buy the software access code alone, or the code and a soft cover text book for a little extra.

Course ID #: bowler85182

This section will be taught as a lecture course but will include an extensive computer based component. This means all homework will be done, checked and submitted to the instructor on the computer through a program called My Math Lab. <http://www.mymathlab.com> You will also be given practice tests and review problems on the computer, although the chapter tests and final exam will be given in class. **You will need access to a computer with internet for daily assignments.** Computer labs on campus are available to those students who do not have internet access. If you feel this new system is not what you want, you need to transfer into a non-computer based section. The Math Secretary, Department Chair, or any instructor will help you find another section. You can find your course ID number on this syllabus, 14 lines down from the top. You will receive more complete instructions on the first day of class

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-83/84 will be used in class. Instruction can also be given on the TI-85, TI-86, TI-89 and TI-92. Math majors are encouraged to do most work without a calculator to be able to pass the Major Field Test given during your senior year.

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 not be taken. Tardiness will be frowned upon and may invoke the ire of the instructor.

5. ASSIGNMENTS: Homework assignments are to be done on the computer each day and submitted to the instructor. Each assignment is due the second school day after they are assigned. Points will be deducted from assignments past the due date. It is very important that you keep current on the assignments.

6. HELP: I am available for help during posted office hours, and other times by appointment. There are also tutors available in the NIB and HCC (4th floor) buildings.

7. SEMESTER SCHEDULE: <http://new.dixie.edu/reg/?page=spring2013>

8. GRADES: Grades will be based on: Chapter Exams and Final 75%, Homework 20%, Quiz 5% You can see your grade and all your scores on My Math Lab. (Grade book) Letter grades will be assigned as follows:

A	100 – 94%	B	86.9 – 83%	C	74.9 – 70%	D	59.9 – 55%
A-	93.9 – 90%	B-	82.9 – 80%	C-	69.9 – 65%	D-	54.9 – 50%
B+	89.9 – 87%	C+	79.9 – 75%	D+	64.9 – 60%	F	49.9 – 0%

24361 ASSIGNMENT SCHEDULE MML (M-1050,S13.57 M,Tu,W,F) 24361

JAN	7	R.4					
Tu	8	R.4 CONT.		M	25	5.1	
W	9	R.5		Tu	26	5.1 CONT.	
F	11	R.6		W	27	5.5	
M	14	REVIEW				5.6	
Tu	15	TEST CH. R.4 - R.6		F	29	6.1	
W	16	1.1		APR	1	6.2	
F	18	1.2		Tu	2	6.2 CONT.	
M	21	NO SCHOOL				6.3 TBA	
Tu	22	1.3		W	3	REVIEW	
W	23	1.4		F	5	TEST CHS 5-6	
F	25	1.5		M	8	7.1	
M	28	1.6		Tu	9	7.2	
Tu	29	1.7		W	10	7.3	
W	30	1.8		F	12	7.3 CONT.	
F	1	REVIEW		M	15	7.4	
FEB	4	TEST CHAPTER 1		Tu	16	7.4 CONT.	
Tu	5	2.1		W	17	7.6	
W	6	2.2				7.7	
F	8	2.3		F	19	REVIEW	
M	11	2.4		M	22	TEST CH 7	
Tu	12	2.5		Tu	23	FINAL REVIEW	
W	13	2.6		W	24	FINAL REVIEW	
F	15	2.7					
M	18	NO SCHOOL		W	MAY 1	FINAL EXAM	
Tu	19	2.8				12:30-2:30 pm	
W	20	REVIEW					
F	22	TEST CHAPTER 2					
M	25	3.1					
Tu	26	3.1 CONT.					
W	27	3.2					
		3.3					
F	29	3.6					
MAR	4	4.1					
Tu	5	4.2					
W	6	4.3					
F	8	4.4					
M-F	11-15	NO SCHOOL					
M	18	4.5					
Tu	19	4.6					
W	20	REVIEW					
F	22	TEST CHS. 3-4					

2013 Spring Semester

Calendar Legend

List Schedule

January 2013

S	M	T	W	T	F	S
		1	AL	3	4	5
6	S	8	9	WL	SG	12
13	DF	15	RE	17	18	19
20	H	LF	23	24	25	26
27	28	P RF W G	NP	31		

February 2013

S	M	T	W	T	F	S
					AA GR	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	H	19	20	21	22	23
24	MT	26	27	28		

March 2013

S	M	T	W	T	F	S
					DD GR	2
3	4	5	6	7	8	9
10	SB	SB	SB	SB	SB	16
17	CA SR	JR	SO	OR	22	23
24	25	26	27	28	CW	30
31						

April 2013

S	M	T	W	T	F	S
	CR	2	3	4	5	6
7	SR	JR	SO	OR	12	13
14	15	16	17	18	19	20
21	22	23	E	RD	FE	27
28	FE	FE				

May 2013

S	M	T	W	T	F	S
			FE GR	FE	CO	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

AA	Last Day to Add/Audit
AD	Last Day to ADD Classes
AL	Admission Late Fee Begins
BR	Semester Break
CA	Class Schedules Available Online
CD	Career Day
CO	Commencement
CW	Last Day for Complete Withdrawal
DD	Last Day to Drop Individual Class
DF	Drop/Audit Fee Begins (\$10 per class)
DR	Last Day to DROP/AUDIT Classes
EE	Classwork Ends
FE	Final Exams
FW	Faculty Workshops
GR	Graduation Application Deadline
H	Holiday
IA	Application Deadline For International Students
JR	Registration open to Juniors (60+ credits)
LF	\$50 Late Registration/Payment Fee
MT	Mid-Term Grades Due
NP	Courses dropped for non-payment
OR	Open Registration
PG	Pell Grant Census
RD	Reading Day
RE	Residency Application Deadline
RF	Last Day for Refund
S	Classwork Starts
SB	Spring Break
SD	Last Day to Add Without Signature
SO	Registration open to Sophomores (30+ credits)
SR	Registration open to Seniors (90+ credits)
WG	Last Day to drop without receiving a "W" grade
WL	Last Day for Waitlist

Nov 1	Bachelor's degree Graduation Deadline - Spring 2013
Nov-12	Registration open to Seniors (90+ credits)
Nov 13	Registration open to Juniors (60+ credits)
Nov 14	Registration open to Sophomores (30+ credits)
Nov 15	Open Registration
Jan 2	Spring 2013 Late application penalty begins
Jan 7	Classwork Starts
Jan 10	Last Day to Waitlist
Jan 11	Last Day to Add Without Signature
Jan 14	Drop/Audit Fee Begins (\$10 per class)
Jan 16	Residency Application Deadline
Jan 21	Martin Luther King Jr. Day
Jan 22	\$50 Late Registration/Payment Fee
Jan 29	Pell Grant Census
Jan 29	Last Day for Refund
Jan 29	Last Day to drop without receiving a "W" grade
Jan 30	Courses dropped for non-payment
Feb 1	Last Day to Add/Audit
Feb 1	Associate's degree Graduation Deadline - Spring 2013
Feb 18	President's Day
Feb 25	Mid-Term Grades Due
Mar 1	Last Day to Drop Individual Class
Mar 1	Bachelor's degree Graduation Deadline - Summer 2013
Mar 11-15	Spring Break
Mar 18	Fall 2013 Class schedule available online
Mar 18	Summer Registration open to Seniors (90+ credits)
Mar 19	Summer Registration open to Juniors (60+ credits)
Mar 20	Summer Registration open to Sophomores (30+ credits)
Mar 21	Summer Registration open to all students
Mar 29	Last Day for Complete Withdrawal
Apr 1	Bachelor's degree Graduation Deadline - Fall 2013
Apr 8	Fall Registration open to Seniors (90+ credits)
Apr 9	Fall Registration open to Juniors (60+ credits)
Apr 10	Fall Registration open to Sophomores (30+ credits)
Apr 11	Fall Registration open to all students
Apr 24	Classwork Ends
Apr 25	Reading Day
Apr 26	Final Exams
Apr 29-30	Final Exams
May 1	Associate's degree Graduation Deadline - Summer 2013
May 2	Final Exams
May 3	Commencement

Fri - Apr 26	Mon - Apr 29	Tue - Apr 30	Wed - May 1	Thur - May 2
Daily, MWF, MW, M Only	Daily, MWF, MW, M Only	TR, T Only	Daily, MWF, MW, M Only	TR, Thur 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				4:00 3:00-5:00
Fri Only Classes	MW or M Only Classes	TR, Tues Only Classes	Wed Only Classes	Thur 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

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