

SYLLABUS - MATH 1050 (Room #133 - time 8:00 am)
COLLEGE ALGEBRA/ PRE-CALCULUS
SPRING SEMESTER, 2010 (M, TU, TH, F)

Instructor: Robert J Comeford
Credits: 4 hours.
Text: College Algebra
Tenth Edition
Lial, Hornsby, Schneider

Office: NIB Room # 123
Hours: Tue and Thur 9:00 & 11:00
email: comeford@dixie.edu

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1. **OBJECTIVES:** All classes in mathematics at Dixie College support the general education goal of the college, and will:
- a. Require students to perform mathematical processes including fractions, percentages, decimals, proportions/ratios, algebraic equations and /or calculus techniques.
 - b. Provide students with application problems that use a variety of methods including arithmetical, algebraic and geometric methods.
 - c. Challenge students to make inferences from mathematical models that include formulas, graphs and tables.
 - d. 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 an 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 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 needs 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 may hurt your grade if you don't come on time. If you are late for class you will surely miss some class instructions or problem solving techniques.

5. ASSIGNMENTS: Homework assignments are to be done each day. I will collect the first 4 sections on the fifth day. Then I will collect the next 4 sections on the day of the test.

Put all homework together and at the top include this information on the right side. (example)

(Put assignment in order: Sec 1.1, Sec 1.2, Sec 1.3, Sec 1.4)

Late assignment will receive ½ credit off.

Name John Doe

Math 1050

Ch: 1 Sec 1.2

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 to the number of points earned by the student to the total number of points possible on all assignments, quiz, and tests.

A progress report of your grade will be given you after every test.

Grades will be assigned as follows:

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

HAVE A GOOD YEAR IN MATH

TRY YOUR BEST

BE YOUR BEST

FIND SUCCESS

Spring 2010 Class Schedule

REGULAR SEMESTER DATES

Nov 16	Registration open to Seniors (90+ credits)
Nov 17	Registration open to Juniors (60+ credits)
Nov 18	Registration open to Sophomores (30+ credits)
Nov 19	Open Registration
Jan 11	Classwork Starts
Jan 13	Last Day to Add Without Signature
Jan 18	Martin Luther King Jr. Day
Jan 19	Drop fee begins (\$10 per class)
Jan 26	\$50 Late Registration/Payment Fee
Feb 2	Pell Grant Census
Feb 2	Last Day for Refund
Feb 2	Last Day to drop without receiving a "W" grade
Feb 3	Courses dropped for non-payment
Feb 5	Last Day to ADD Classes
Feb 15	President's Day
Feb 22	Mid-Term Grades Due
Mar 5	Last Day to DROP/AUDIT Classes
Mar 8-12	Spring Break
Apr 2	Last Day for Complete Withdrawal
Apr 12	Fall registration open to Seniors (90+ credits)
Apr 13	Fall registration open to Juniors (60+ credits)
Apr 14	Fall registration open to Sophomores (30+ credits)
Apr 15	Fall registration open to all students
Apr 29	Classwork Ends
Apr 30	Final Exams
May 3-6	Final Exams
May 7	Commencement

BLOCK SCHEDULE DATES

Feb 22	Classwork Starts
Feb 24	Last Day to Add Without Signature
Mar 1	Drop fee begins (\$10 per class)
Mar 1	\$50 Late Registration/Payment Fee
Mar 1	Pell Grant Census
Mar 3	Last Day for Refund
Mar 3	Last Day to drop without receiving a "W" grade
Mar 5	Courses dropped for non-payment
Mar 8-12	Spring Break
Mar 15	Last Day to ADD Classes
Mar 29	Last Day to DROP/AUDIT Classes
Apr 2	Last Day for Complete Withdrawal
Apr 12	Fall registration open to Seniors (90+ credits)
Apr 13	Fall registration open to Juniors (60+ credits)
Apr 14	Fall registration open to Sophomores (30+ credits)
Apr 15	Fall registration open to all students
Apr 29	Classwork Ends
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USEFUL PHONE NUMBERS

(435) 652 - XXXX

Problems registering	7708
Admissions Issues	7706
Need Advisement	7690
Tuition question	7605
Campus Operator	7500

FINAL EXAM SCHEDULE

Fri - April 30	Mon - May 3	Tue - May 4	Wed - May 5	Thur - May 6
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
9:00 10:00-12:00	7:00 7:00-9:00	9:00 8:00-10:00	8:00 7:30-9:30	7:30/8:00 7:00-9:00
12:00 12:30-2:30	10:00 9:30-11:30	12:00 11:00-1:00	11:00 10:00-12:00	10:30 9:30-11:30
3:00 3:00-5:00	1:00 12:00-2:00	2:30 2:00-4:00	2:00 12:30-2:30	1:00 12:30-2:30
	4:00 2:30-4:30			
Fri Only Classes	MW or M Only Classes	TR, T Only	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