



Dixie State College

Syllabus for Pre-Calculus Online (4.0 credit)

CRN 22107 Math 1050-40 Spring 2010

Instructor: Ms. Poast
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Office hours via email: Sun 9-10p; Wed 9-10p; Thur 7-8a; others by appointment
Course begins: January 11, 2010

Classroom: Online
Class time: Independent
Course ends: May 6, 2010

Course Objectives:

All mathematics classes at Dixie 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 arithmetical, algebraic, and geometric methods.
3. Challenge students to make inferences from mathematical models that include formulas, graphs, and tables.
4. Provide students with real-life applications that use a variety of mathematical functions.

Upon successful completion of Math 1050, a student 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: Math 1010, or an ACT/CPT score of 23/89 or higher. This class is fast paced and fluency in the pre-requisite skills is essential! **This course is designed for math and science majors. If you are undecided about a major, you should take this course.**

Textbook and Other Expenses: The text for this course is *College Algebra (10th edition)* by Lial, Hornsby and Schneider (online version). **There is no need to purchase a hard copy of the book.** Also required is a graphing calculator. The fee for access to the website, which includes the electronic book is approximately \$70.00.

Grading: The grading scale for determining the course grade and the weights given to various activities are given below:

Homework	20%
Quiz Scores	25%
Tests	30%
Final Exam	25%

94-100 = A	73-76 = C
90-93 = A-	70-72 = C-
87-89 = B+	66-69 = D+
83-86 = B	60-65 = D
80-82 = B-	0-59.99 F
77-79 = C+	

Dishonesty: Dishonesty will not be tolerated in any form. Any student cheating on a test will receive a zero for that test. Giving as well as receiving information is dishonest.

Disability Resource Center: If you are a student with a medical, psychological or a learning difference and requesting reasonable academic accommodations due to this disability, you must provide an official request of accommodation to your Professor(s) from the Disability Resource Center within the first two weeks of the beginning of classes. Students are to contact the Center on the main campus to follow through with, and receive assistance in the documentation process to determine the appropriate accommodations related to their disability. You may call (435) 652-7516 for an appointment and further information regarding the Americans with Disabilities Act (ADA) of 1990 per Section 504 of the Rehabilitation Act of 1973.

Tutoring Center: The Tutoring Center is located on the first floor of the Browning Learning Resource Center. Drop-in mathematics tutoring is available. The tutoring schedule is posted at the sign-in desk in the Tutoring Center. Tutoring is also available in the NIB building. For more information go to <http://dsc.dixie.edu/tutoring/index.htm>.

Testing Center: The Testing Center is located on the first floor of the advising building. For more information go to <http://new.dixie.edu/testing/>.

Computer Lab: The Computer Lab is located in the Smith Computer Center. For more information go to <http://new.dixie.edu/cit/cis/>.

Changing your schedule: It is your responsibility, as the student, to ensure the accuracy of your class schedule. Be sure to check at the beginning of the semester and after every change you make to your schedule. Run a hard copy and keep it!

Withdrawing from or dropping a class: If you never attend a class, the instructor may withdraw you from it. If you attend even one day, the instructor cannot withdraw you from the class. Since not all instructors will withdraw you for non-attendance, you should take care of that transaction for yourself by going to the registration window. If you quit attending and do not withdraw from the class, you will receive a WF or F which averages into your GPA as an F.

Complete Withdrawal: Dropping all classes by phone or online does not withdraw you from the college and you may receive all F's. You must contact the Advisement Center, complete a withdrawal form, and surrender your student ID card.

Important Dates: <http://new.dixie.edu/reg/syllabus>

Jan 11	Classes Begin	Feb 5	Last Day to Add Classes
Jan 13	Last Day to Add Without Signature	Feb 15	President's Day
Jan 18	Jan 18 Martin Luther King, Jr. Day	Feb 22	Midterm grades due
Jan 19	Drop fee begins (\$10 per class)	Mar 5	Last Day to Drop/Audit
Jan 26	\$50 Late Registration/Payment Fee	Mar 8-12	Spring Break
Feb 2	Last Day for Refund	April 2	Last Day for Complete Withdrawal
Feb 2	Pell Grant Census	April 12	Fall registration begins
Feb 2	Last day to drop without "W" grade	April 29	Classwork Ends
Feb 3	Courses dropped for non-payment	Apr 30-May 6	Final Exams (see schedule ↓)

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
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

Changes: Although unlikely, this syllabus and/or the assignment schedule may be changed if deemed necessary by the instructor. All changes will be announced in class. Absenteeism is no excuse for not being aware of the changes.