



Dixie State College

Syllabus for Pre-Calculus Online (4.0 credit)

CRN 24376 Math 1050-40 Spring 2011

Instructor:	Ms. Poast	Classroom:	Online
Phone:	(435) 632-8371	Class time:	Independent
Email:	poast@dixie.edu		
Office hours:	W 4-6p; R 8:30-9:30a, F 8:30-11:30a		
Office hour location:	NIB Rm 202		
Course begins:	January 10, 2011	Course ends:	May 5, 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 \$72.00.

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+	

Receiving your grades at the end of the semester: Your course letter grade will be posted on the internet grading program within 48 hours of the last day of the semester.

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.

Writing Center: The Writing Center is located on the first floor of the Browning Learning Resource Center if you need assistance with a written assignment in any class. For more information go to http://dixie.edu/english/dsc_writing_center.php

Respect for Others: Please plan to arrive on time and be prepared to work (i.e., have your pencil, eraser, book, paper, homework, and calculator). Additionally, please feel free to offer your opinions and questions to the class, but do not carry on side discussions. Cell phones should be turned off during class and please refrain from text messaging. In general, students may not engage in an activity which the instructor deems disruptive or counter-productive to the goals of the class. Instructors have the responsibility to remove offending students from the class. Repetition of offensive behavior may result in expulsion from the class.

Dmail: You are required to frequently check your dmail account. Important information will be sent to your dmail account, including DSC bills, financial aid/scholarship notices, notices of cancelled classes, reminders of important dates and deadlines, and other information critical to your success at DSC and in your courses. If you don't know how to access your dmail account, go to www.dixie.edu and select "Dmail" from the left column.

To locate your email username and password, go to www.dixie.edu, and click on “log in to student services” (upper right corner). You will be held responsible for information sent to your email, so please check it often.

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.

Jan 10	Classes Begin	Mar 14-18	Semester Break
Jan 12	Last Day to Add Without Signature	Mar 21	Summer Registration open to Seniors (90+ credits)
Jan 17	Martin Luther King Jr. Day	Mar 22	Summer Registration open to Juniors (60+ credits)
Jan 18	Drop/Audit Fee Begins (\$10 per class)	Mar 23	Summer Registration open to Sophs (30+ credits)
Jan 25	\$50 Late Registration/Payment Fee	Mar 24	Summer Registration open to all students
Jan 31	Graduation Application Deadline	Apr 1	Last Day for Complete Withdrawal
Feb 1	Pell Grant Census	Apr 11	Fall Registration open to Seniors (90+ credits)
Feb 1	Last Day for Refund	Apr 12	Fall Registration open to Juniors (60+ credits)
Feb 1	Last day to drop without “W” grade	Apr 13	Fall Registration open to Sophomores (30+ credits)
Feb 2	Courses dropped for non-payment	Apr 14	Fall Registration open to all students
Feb 4	Last Day to ADD Classes	Apr 28	Classwork ends
Feb 21	President’s Day	Apr 29	Final Exams
Feb 28	Mid-Term Grades Due	May 2-5	Final Exams (see schedule ↓)
Mar 4	Last Day to DROP/AUDIT Classes	May 6	Commencement

Final Exam Schedule

Fri - Apr 29	Mon - May 2	Tue - May 3	Wed - May 4	Thur - May 5																																																																										
Daily, MWF, MW, M Only <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Class Time</th> <th style="text-align: center;">Exam Time</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">7:00</td> <td style="text-align: center;">7:00-9:00</td> </tr> <tr> <td style="text-align: center;">10:00</td> <td style="text-align: center;">9:30-11:30</td> </tr> <tr> <td style="text-align: center;">1:00</td> <td style="text-align: center;">12:00-2:00</td> </tr> <tr> <td style="text-align: center;">4:00</td> <td style="text-align: center;">2:30-4:30</td> </tr> <tr> <td colspan="2" style="text-align: center;">Fri Only Classes</td> </tr> <tr> <td style="text-align: center;">5:00</td> <td style="text-align: center;">5:00</td> </tr> <tr> <td style="text-align: center;">7:30</td> <td style="text-align: center;">7:30</td> </tr> </tbody> </table>	Class Time	Exam Time	7:00	7:00-9:00	10:00	9:30-11:30	1:00	12:00-2:00	4:00	2:30-4:30	Fri Only Classes		5:00	5:00	7:30	7:30	Daily, MWF, MW, M Only <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Class Time</th> <th style="text-align: center;">Exam Time</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">8:00</td> <td style="text-align: center;">7:30-9:30</td> </tr> <tr> <td style="text-align: center;">11:00</td> <td style="text-align: center;">10:00-12:00</td> </tr> <tr> <td style="text-align: center;">2:00</td> <td style="text-align: center;">12:30-2:30</td> </tr> <tr> <td colspan="2" style="text-align: center;">MW or M Only Classes</td> </tr> <tr> <td style="text-align: center;">5:00</td> <td style="text-align: center;">5:00</td> </tr> <tr> <td style="text-align: center;">7:30</td> <td style="text-align: center;">7:30</td> </tr> </tbody> </table>	Class Time	Exam Time	8:00	7:30-9:30	11:00	10:00-12:00	2:00	12:30-2:30	MW or M Only Classes		5:00	5:00	7:30	7:30	TR, T Only <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Class Time</th> <th style="text-align: center;">Exam Time</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">9:00</td> <td style="text-align: center;">8:00-10:00</td> </tr> <tr> <td style="text-align: center;">12:00</td> <td style="text-align: center;">11:00-1:00</td> </tr> <tr> <td style="text-align: center;">2:30</td> <td style="text-align: center;">2:00-4:00</td> </tr> <tr> <td colspan="2" style="text-align: center;">TR, Tues Only Classes</td> </tr> <tr> <td style="text-align: center;">5:00</td> <td style="text-align: center;">5:00</td> </tr> <tr> <td style="text-align: center;">7:30</td> <td style="text-align: center;">7:30</td> </tr> </tbody> </table>	Class Time	Exam Time	9:00	8:00-10:00	12:00	11:00-1:00	2:30	2:00-4:00	TR, Tues Only Classes		5:00	5:00	7:30	7:30	Daily, MWF, MW, M Only <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Class Time</th> <th style="text-align: center;">Exam Time</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">9:00</td> <td style="text-align: center;">10:00-12:00</td> </tr> <tr> <td style="text-align: center;">12:00</td> <td style="text-align: center;">12:30-2:30</td> </tr> <tr> <td style="text-align: center;">3:00</td> <td style="text-align: center;">3:00-5:00</td> </tr> <tr> <td colspan="2" style="text-align: center;">Wed Only Classes</td> </tr> <tr> <td style="text-align: center;">5:00</td> <td style="text-align: center;">5:00</td> </tr> <tr> <td style="text-align: center;">7:30</td> <td style="text-align: center;">7:30</td> </tr> </tbody> </table>	Class Time	Exam Time	9:00	10:00-12:00	12:00	12:30-2:30	3:00	3:00-5:00	Wed Only Classes		5:00	5:00	7:30	7:30	TR, Thur Only <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Class Time</th> <th style="text-align: center;">Exam Time</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">7:30/8:00</td> <td style="text-align: center;">7:00-9:00</td> </tr> <tr> <td style="text-align: center;">10:30</td> <td style="text-align: center;">9:30-11:30</td> </tr> <tr> <td style="text-align: center;">1:00</td> <td style="text-align: center;">12:30-2:30</td> </tr> <tr> <td style="text-align: center;">4:00</td> <td style="text-align: center;">3:00-5:00</td> </tr> <tr> <td colspan="2" style="text-align: center;">Thur Only Classes</td> </tr> <tr> <td style="text-align: center;">5:00</td> <td style="text-align: center;">5:00</td> </tr> <tr> <td style="text-align: center;">7:30</td> <td style="text-align: center;">7:30</td> </tr> </tbody> </table>	Class Time	Exam Time	7:30/8:00	7:00-9:00	10:30	9:30-11:30	1:00	12:30-2:30	4:00	3:00-5:00	Thur Only Classes		5:00	5:00	7:30	7:30
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Final exams for Fri/Sat courses will take place during regularly scheduled class times on April 30th

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.