

Skyline College, Spring 2007

MATH222 AB –PRECALCULUS

Instructor: Andy Davis

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Office Hour: By Arrangement

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Prerequisite

MATH 130 with grade C or better or recent high school mathematics through trigonometry and appropriate placement test score and other measures as appropriate.

Course Description

This course will cover functional and graphing approach to concepts and skills necessary as background for success in calculus. This course is transferable to UC and CSU universities.

Course Objectives

Upon successful completion of this course, students will be able to:

- Convert degree measurement to radian and vice versa
 - Use Trig. Definitions to solve related problems
 - Graph Trig. Functions and Inverse Trig. Function with and without graphing calculators
 - Use data to model Trig. Functions
 - Solve Trig. Identity problems
 - And solve Trig. Equations and Inequalities with answers as exact values and approximations.
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Textbook(s)

Functions Modeling Change, 3rd Edition, by Connally, Hughes-Hallett, Gleason, et al.

The TI-83, TI-83 plus, TI-84 or the TI-84 plus is required for this class. No other calculator is appropriate for the class.

Course Activities

Assignments

The only way to learn math is to practice doing problems correctly after you have figured out how to do them. Each assignment is due the class after we finish that section. Full credit will be assigned if the assignment is complete and on time. You will receive half of the points if you turn in the homework late. Box your final answers when possible. Most test and quiz problems will be

taken directly from homework assignments or from other problems in the text.

Testing

No makeups will be given on quizzes or exams. You may make arrangements to take exams and quizzes before the assigned date if you will not be able to attend the scheduled sessions.

Finals

The final will be comprehensive and is scheduled for May 23, 2007 from 11:10 – 1:40 PM.

Withdrawal

If you decide to drop this class you must do so formally either by using WebSMART or by filing the correct form with the registrar’s office. If you miss more than ten hours of class and still desire to remain in the class you must meet with me and convince me that you can learn the material necessary to pass the class.

Attendance

You will not be graded directly on your attendance. However, your involvement in class and your participation in the process of discovering concepts will be fundamental in your understanding of algebra. Test will be based largely on material discussed and practiced during class. Also, quiz will be given to the class at least once a week.

Miscellaneous

- Cell phones must be turned off or silence before entering the classroom.
- Class withdrawals - if you decide to withdraw from the class, you must be responsible for dropping this class; **I will not drop you automatically.**

Grading Policy

Grading

The course grade will be based on a weighted average of the following:

Test 1	15%
Test 2	15%
Test 3	15%
Test 4	15%
Test 5	15%
Final.....	20%
Homework/Class Participation.....	10%
Quizzes.....	10%

Letter Grades

Letter Grades are determined using the following percentages:

- A = 90% - 100%
- B = 80% - 89%
- C = 70% - 79%
- D = 60% - 69%
- F = 59% and less

"Incomplete" or "I" grading for will be awarded only rarely and only in demonstrable cases of unusual hardship, in line with Skyline College policy.

Accommodations

If you qualify for accommodations in this class, please make sure the instructor gets a copy of your letter from DSPS. If you do not have one, contact DSPS at 738-4280. If you need any other help such as financial, please contact the Student Services One Stop Center in Bldg 5.

Academic Integrity

Academic dishonesty defrauds all those who depend upon the integrity of the College, its courses and its degrees and certificates. The college community has the responsibility to make every reasonable effort to foster honest, academic conduct. Definitions of academic dishonesty, Academic dishonesty occurs when a student attempts to show possession of a level of knowledge or skill, which he or she does not possess. The two most common kinds of academic dishonesty are "Cheating" and "Plagiarism." Cheating is the act of obtaining or attempting to obtain academic work through the use of dishonest, deceptive or fraudulent acts. Plagiarism is representing the work of someone else as his/her own and submitting it to fulfill academic requirements.

It is the student's responsibility to know what constitutes academic dishonesty. If a student is unclear about a specific situation, he/she should speak to the professor. For more information students may access the Student Handbook at the College website link:

<http://www.smccd.net/accounts/skyline/sts/handbook/acapol2.html>