INSTRUCTOR: Professor Leslie Buck

COURSE: MAT125- 300 22742, Fundamentals of Precalculus II

PREREQUISITE: C or better in MAT124 or equivalent

TELEPHONE: 548-2628 - Mathematics department
548-3583 - Office room S223 878-1337 - Home

EMAIL: buckl@sunysuffolk.edu

OFFICE HOURS: Monday 11:30 – 1:30 PM
Tuesday 11:15 – 12:15 PM
Wednesday 4:50 – 5:50 PM
Thursday 12:15 – 1:15 PM

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

- understand the trigonometric functions, their graphs, and their inverses;
- verify trigonometric identities;
- solve trigonometric equations and the general triangle, and find the area of a triangle;
- write and do basic computations with complex numbers in both rectangular and trigonometric form including the use of DeMoivre’s Theorem and the nth root theorem;
- analyze, compare and graph polar functions, conic sections and parametric equations;
- solve problems involving both linear and nonlinear systems of equations and inequalities;
- express and analyze both arithmetic and geometric sequences and series (optional);
- use the principle of mathematical induction to prove identities involving summations, including the binomial theorem (optional);
- use a graphing calculator to perform computations and to graph a variety of functions.

STUDENT REQUIREMENTS: In order to pass this course, the student must achieve a final average of at least 60%. Class attendance is essential. The student is responsible for all material taught or assigned by the instructor. Absence is no excuse. The student is responsible for obtaining any assignments, notes, etc. from a fellow classmate.

Students are required to behave in accordance with the student code of conduct as outlined in the student handbook. An atmosphere of mutual respect will be maintained at all times in the classroom. Any student who is disruptive or violates proper classroom decorum (as outlined the student handbook) will be asked to leave. Students who are repeatedly disruptive will be brought up on disciplinary charges. See Grading Procedures for more information on student requirements.

ATTENDANCE POLICY: This class begins at 2:00 PM and ends at 3:40 PM. Students are required to attend each class from beginning to end OR NOT AT ALL. It is disruptive to the learning environment if students are arriving late, leaving early or otherwise coming and going during class. THIS BEHAVIOR WILL NOT BE TOLERATED. Students with medical conditions or other valid reasons for non-compliance with this policy must notify the professor immediately (documentation may be requested).

THERE IS ABSOLUTELY NO LEAVING THE CLASSROOM DURING ANY QUIZ OR EXAM.

***THE LAST DATE FOR WITHDRAWAL IS MONDAY, 3/22/10***
NO WITHDRAWALS WILL BE GRANTED AFTER THIS DATE.

The student is responsible to follow registrar procedure for withdrawal. Students who neglect to do so and stop attending will receive a grade of F. Exceptions will be made only for extenuating circumstances and at the discretion of the instructor.

*College make-up dates are built into the calendar. This semester they are Thursday, May 20th and Friday, May 21st. Do not make plans for these days. If there is a college-wide closing, we will utilize them.

**GRADING PROCEDURES:** There will be 3 in-class exams, 22 quizzes and a cumulative final examination. The lowest of the 3 exam grades will be dropped. Therefore, no makeup exams will be given. In the event that a student misses more than one exam, that student will receive a zero for that grade. The final exam will not be dropped. Extenuating circumstances will be considered on a case-by-case basis and will require documentation.

There will be 22 quizzes given throughout the semester. Each quiz will consist of one homework problem that was assigned for the particular class in which the quiz is given. The lowest 2 quiz grades will be dropped. Therefore, no makeup quizzes will be given. The sum of the quiz grades will equal an exam grade.

Thus, there will be 4 grades that count, the 2 best exam grades, the quiz grade and the final exam grade. The average of these four grades will become the student’s final average.

**NOTE:** Motivated students are encouraged to do extra credit assignments. Please let me know if you would like to improve your grade. Also, ample opportunity will be provided to earn class participation credit.


**CALCULATOR:** A graphing calculator is required. Those without a graphing calculator will be at a decided disadvantage throughout the course and on exams. The TI-84 graphing calculator is recommended and its’ usage will be demonstrated during class.

Any ordinary business/scientific calculator or graphing utility will be acceptable for use during class and on exams except for the TI92 or any other calculator that performs symbolic manipulation. **USE OF ANY OTHER ELECTRONIC DEVICE IS PROHIBITED.** All cell phones, beepers, fax machines, etc. will be OFF and properly stowed AT ALL TIMES DURING CLASS. Violation of this policy may be documented and used in an academic hearing.

**TENTATIVE EXAM DATES:**

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<tr>
<td>1</td>
<td>Wednesday 2/24</td>
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<td>2</td>
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<td>3</td>
<td>Wednesday 5/12</td>
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<td>Final</td>
<td>Wednesday 5/19</td>
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*** Students should be aware of the Academic Skills Center in Orient 234 (x2594) where FREE tutoring and extra help is available. I will also make myself available to students for extra help outside of class on a 1:1 basis. Please call or speak with me to set up an appointment. No appointment is necessary if you wish to drop in during my office hours. **I am happy to assist any student who wants to succeed.** Please take advantage of the opportunities and resources available to you at this institution. 