

**MATH 153** Precalculus I (5 credits) Syllabus  
Winter Quarter 2010

**INSTRUCTOR:** Professor Richard Hilliard  
**OFFICE:** 115 Bouillon Hall  
**OFFICE HOURS:** T.B.A.  
**PHONE:** 963-1720  
**TEXT:** A Problems-Oriented Approach, 6<sup>th</sup> edition, by David Cohen

**COURSE DESCRIPTION:** This course is intended for students majoring in mathematics, sciences, technology, or economics. Precalculus I encompasses the theory, techniques and applications of the basic functions. The use of graphing calculators is expected during class, on homework, on quizzes and on tests. Selected sections from chapters 1,2,3,4, and 5 of the text will be used to address the concepts, procedures and skills associated with functions.

**COURSE RATIONALE:** This course gives students the opportunity to use graphical, numerical and algebraic concepts of general functions to solve a variety of mathematical and real world problems. Upon completion of this course, students will be able to model real-world and mathematical situations using algebraic, numerical and graphing techniques.

**CALCULATOR:** A graphing calculator is required for this course. The TI-83 or TI-84 are recommended and will be used by the instructor.

**HOMEWORK:** Homework will be assigned daily. It will not be collected, but will be discussed as needed the day after the assignment.

**QUIZZES:** You will be given five (5) quizzes during the quarter. They may be unannounced. NO MAKEUPS.

**TESTS:** There will be two (2) one hour exams during the quarter; a Mid-term and a Final.

**FINAL EXAM:** T.B.A.

**GRADES:** 90-100=A; 80-89=B; 70-79=C; 55-69=D; Below 55=F

**ATTENDANCE:** Attendance is not mandatory, but it is your responsibility to keep up. If you miss you will need to get information from a classmate. Attendance will be taken the first three (3) days. Anyone not showing up during that time will be withdrawn from the course so someone else can take it.

**A RECOMMENDATION:** I do recommend that you form study groups to work with. We can arrange for rooms for you to meet in if you so desire. Often times it is easier to understand things by working with someone else.