

**DEPARTMENT OF MATHEMATICS
COLLEGE OF SCIENCES
CENTRAL WASHINGTON UNIVERSITY
COURSE SYLLABUS FALL 2010**

1. **MATH 153 – Precalculus 1**

<u>COURSE NUMBER</u>	<u>TIME/DAY</u>	<u>BLDG/ ROOM</u>	<u>INSTRUCTOR</u>
91796	10:00-10:50	Bouillon 144	Dr. Shiver
20405	12:00 – 12:50	Bouillon 144	Dr. Shiver

2. **Textbook and Materials:**

- The text for this course is *Precalculus, 6th Edition*, Cohen.
- A graphing calculator is required. The TI- 84 or TI-84 plus is strongly recommended and will be used by the instructor for classroom demonstration. The instructor may not be able to answer questions concerning the operation of any calculator other than the TI-84.

3. **Office Hours and Phone Numbers:**

Office: Bouillon 117

Phone: 963-2834

Email: shiverj@cwu.edu

Office hours: 11:00-11:50 or by appointment

4. **Course Description:** Precalculus 1 covers algebra at the level necessary for calculus and includes many algebra topics encountered in the sciences. Consequently, there is a significant emphasis on problem solving and analytic reasoning, as well as algebraic calculations. Functions and their properties will form the majority of the course. Functions will be examined from a symbolic, graphical and numeric standpoint. Special emphasis will be placed on several families of functions including linear, exponential, logarithmic, polynomial, and rational functions. Additionally, applications of various functions will be considered throughout the course.

5. **Course Expectations:** Students will be expected to read the text prior to class, to complete all assigned problems and to seek outside assistance when difficulties are encountered. Homework should be NEATLY written **in pencil** and all supporting work must be shown. The daily assignments are a very important component of the course. The time devoted to assignment problems will pay off on tests and quizzes. The best way to insure successful completion of this course is to come to class and keep up with the assignments.

6. **Absence Policy:** Regular attendance is essential for successful completion of this course. A student absent from a test or other graded assignment will be given a zero unless excused in advance by the instructor. All approved make up work must be completed within three days of returning to class. Extenuating circumstances will be evaluated on a case- by- case basis. Please have supporting documentation available for review upon returning to class. *More than 4 absences from this class may result in a grade of F for the quarter.* Students entering late or leaving prior to the end of the class period may be counted absent for that day.

7. **Grading Policy:** The course grade will be determined as follows:
 Average of Unit Tests = 55%
 Average of Homework/labs/projects/quizzes = 25%
 Final Exam = 20%

A	A-	B+	B	B-	C+	C	C-	D+	D	D-	F
93-100%	90-92%	87-89%	83-86%	80-82%	77-79%	72-76%	70-72%	67-69%	63-66%	60-62%	<60%

8. **Academic Honesty:** The integrity of students and their written and oral work is a critical component of the academic process. There are times when it is proper to get help from other and times when it is not. Feel free to ask others for help on homework, activities and take-home assignments and quizzes. During in-class quizzes and tests all work will be done individually. All written work submitted in this course must properly document all outside sources used. The submission of another's work as one's own is plagiarism, and will be dealt with using the procedures outlined in the Undergraduate Catalog.
9. **Course Outline:** This schedule may be modified by the instructor.

Week	Topic
September 20	Algebra Review (Chosen sections Chapter 1)
September 27	Sections 2.1,2.2, 2.3, Quiz 1
October 4	Sections 2.4, 3.1 Test 1 (Chapters 1 and 2)
October 11	Section 3.2, 3.3, 3.4
October 18	Quiz 2 , Sections 3.5, 3.6
October 25	Test 2 (Chapter 3) Section 4.1,4.2
November 1	Section 4.4, 4.5, Quiz 3
November 8	Section 4.6, 4.7
November 15	Test (Chapter 4) , Sections 5.1,5.2
November 22	Sections 5.3,5.4, 5.5
November 29	Quiz 4 Section 5.6,5.7
December 7 (8:00 – 10:00)	Final Exam for 10:00 Precalculus
December 10 (12:00 – 2:00)	Final Exam for 12:00 Precalculus

In the event of a fire alarm signal students will exit the building in a quick and orderly manner through the nearest hallway exit. Learn the floor plan and exits of this building. Do not use elevators. Crawl on the floor if you encounter heavy smoke. Assist disabled persons and others if possible without endangering your own life.