

# Entry Level Mathematics (ELM) Tutorial

## Overview:

Welcome to the Entry Level Mathematics (ELM) Tutorial. This tutorial is available to students who have already taken the Colorado State University Mathematics Placement Exam (MPE). There is no fee for using this tutorial.

The ELM Tutorial is an alternate method for achieving some of the outcomes possible from taking the MPE. Successful completion of specific portions of the ELM Tutorial can be used to:

- satisfy the Colorado State University Admission Requirement in Mathematics for *transfer* students
- satisfy the prerequisite for the entry-level mathematics courses
  - MATH 117, College Algebra in Context I
  - MATH 133, Financial Mathematics
  - MATH 135, Patterns of Phenomena.

The tutorial *cannot* be used to place out of or earn credit for any courses.

## How the Tutorial is Organized:

The ELM Tutorial contains four units of material. Each unit contains approximately ten objectives. Students may use the Adobe Acrobat files, instructional Videoclips, and randomly generated Practice Problems to study the material included in each objective. The most recent versions of Adobe Acrobat Reader and Java (version 1.6.0 or higher) must be installed on the personal computer you are using to properly access these study materials. Both software packages are available for free download via the internet. Before you begin the ELM Tutorial, you will find it helpful to click on the “Test this computer” link found at the top of the login page. This short test will verify if your computer is properly configured to access the study materials contained in the ELM Tutorial.

## What You Need to Complete:

The amount of material you are required to master depends on the outcome being sought. The chart below lists the requirements for each outcome. You must correctly answer 70% of the exam items to earn a passing score on any of the Review Exams or the proctored ELM Exam.

<i>In Order To Do This:</i>	<i>You Must Pass These:</i>	<i># of Items You Must Answer Correctly:</i>
Satisfy Transfer Admission Requirement	Unit 1 Review Exam (10 items) Unit 2 Review Exam (15 items) Unit 3 Review Exam (20 items)	Unit 1 Review Exam (7 items) Unit 2 Review Exam (11 items) Unit 3 Review Exam (14 items)
Place into MATH 133, MATH 135, and MATH 117	Unit 1 Review Exam (10 items) Unit 2 Review Exam (15 items) Unit 3 Review Exam (20 items) Unit 4 Review Exam (20 items) ELM Exam (20 items)	Unit 1 Review Exam (7 items) Unit 2 Review Exam (11 items) Unit 3 Review Exam (14 items) Unit 4 Review Exam (14 items) ELM Exam (14 items)

### **Taking the ELM Exam:**

The ELM Exam is given in the PACe Testing Center (Weber 138) and has a **60 minute time limit**. Calculators are allowed, but you must use the TI-84 calculator provided by the PACe Testing Center. Reference materials may **not** be used during the exam.

You may attempt the Review Exams and the ELM Exam as many times as you need to achieve your desired outcome. However, you are permitted only 2 non-passing attempts of the ELM Exam before you must re-qualify to take this exam. To re-qualify for 2 additional attempts, you must re-pass the Unit 4 Review Exam.

### **Notification of Results:**

You will be able to check your Review Exam or ELM Exam results immediately after completing the exam. Passing scores for the ELM Exam or the Unit 3 Review Exam (for transfer admission) are sent to the University's records system every evening at 10pm MST. Results for Unit 3 Review Exams that are completed after 10pm MST are sent to the University's records system at 10pm MST the next day.

**If you have completed the Unit 3 Review Exam to be admitted as a transfer student, you should contact the Office of Admissions after your results have been submitted to the University's records system to assist in the evaluation of your application.**

### **Deadline for Completing the ELM Exam:**

If you are completing the ELM Tutorial to satisfy the prerequisite for MATH 117, MATH 133 and MATH 135, you are expected to earn a passing score on the ELM Exam by the registration deadline for math courses (1<sup>st</sup> week of classes during fall or spring semesters). **If you do not pass the ELM Exam by the registration deadline for the term (excluding the Summer Session), you will be required to start over with Unit 1 of the ELM Tutorial.**