

# 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 Math Placement Tool at least one time. 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 Math Placement Tool. 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 105, Patterns of Phenomena; or
  - MATH 117, College Algebra in Context I.

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 Video clips, and randomly generated Practice Problems to study the material included in each objective.

## 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 a 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 105 or 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)

## Tutoring Help:

Tutors are available to answer questions in the Precalculus Learning Center (Weber 136) and via the link “Getting Online Help” located on the website. This is a free service however if you need more in-depth tutoring you may need to arrange for private tutoring.

## Taking the ELM Exam:

The ELM Exam is given in the Precalculus Testing Center (Weber 138) or can be completed remotely using a webcam on your personal computer using the services of ProctorU. The exam has a 60-minute time limit and calculators are allowed. If testing in the Precalculus Testing Center, a TI-84 calculator will be provided. You must provide your own calculator if using ProctorU. Reference materials may not be used during the exam.

More information about both these testing options will be provided below the Unit 4 material once you are eligible to take the ELM Exam. There is no additional cost to take the exam in the Precalculus Testing Center but ProctorU will charge a fee for their services. Currently the fee is \$6.50 (subject to change) if the testing session is schedule at least 72 hours in advance. There is an additional fee to expedite the testing session.

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. We recommend that you practice with numerous Unit 4 Review Exams before taking the ELM Exam. These exams are using the same bank of questions so the more review exams you take, the more likely you will be exposed the questions you will see on the ELM 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 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 105 or MATH 117, you are expected to earn a passing score on the ELM Exam by the registration deadline for the late start section of MATH 117 math courses (by the end of the 7th week of classes during fall or spring semesters). If you do not pass the ELM Exam by then (excluding the Summer Session), you will be required to start over with Unit 1 of the ELM Tutorial. Contact the Precalculus Office if you plan to add the late start section of MATH 117.

## Questions:

You can contact the Precalculus Office if you have any questions about the tutorial.

137 Weber Building

970-491-5761

[Precalc-math@colostate.edu](mailto:Precalc-math@colostate.edu)

## Hours\* (MST):

Fall and Spring Semesters	9am to 4pm, Mondays – Fridays, and 6:30pm to 9pm, Mondays – Thursdays
First 4-week Summer Session	9am to noon, Mondays - Fridays
Last 8-week Summer Session	9am to 1:15pm, Mondays - Fridays

\* Closed during University breaks, holidays and final exam week.