This course supports the assessments for Mathematics for Elementary Educators I. The course covers 5 competencies and represents 3 competency units.

**Introduction**

**Course Overview**

The Mathematics for Elementary Educators I course aims to guide the student to a deep understanding of the content elementary teachers will be expected to teach once in their profession. This course engages pre-service elementary teachers in mathematical practices based on a strong understanding of underlying concepts. It also covers important topics in problem solving, set theory, number theory, whole numbers, and integers. Mathematics for Elementary Educators I is the first course in a three-course sequence.

Watch the following video introduction to this course:

**Competencies**

This course provides guidance to help you demonstrate the following 5 competencies:

- **Competency 121.1.1: Problem Solving**
  The graduate applies problem-solving strategies and analyzes patterns to solve application problems.

- **Competency 121.1.2: Basic Set Theory**
  The graduate applies basic set concepts, operations on sets, and Venn diagrams to solve problems.

- **Competency 121.1.3: Whole Numbers**
  The graduate connects a variety of models and algorithms to the properties and operations of whole numbers.

- **Competency 121.1.4: Number Theory**
  The graduate applies concepts and procedures related to the composition of numbers to find greatest common factors and least common multiples.

- **Competency 121.1.5: Integers**
  The graduate applies the definitions and properties of integers and their operations to solve problems.

**Learning Materials**

The information in this section will help you succeed in this course.

**Learning Resource**

The information in this section will help you navigate your learning resources and successfully complete the course.

*Pearson’s MyMathLab*
You must enroll in the learning resource listed in this section which provides prechecks, homework, and tests to check your understanding. It also contains multimedia resources and the following required e-book:


Use the following instructions to enroll via the "Learning Resources" tab:

1. Go to the "Learning Resources" tab within the course.
2. Click the "Sections" link (under the "Action" column) for the appropriate learning resource.
3. Click "Enroll Now" in the new window.

You will receive an e-mail with access information and important instructions in less than one day. Contact the WGU Learning Resources Department at x3124 or learningr@wgu.edu if you do not receive an email within 24 hours. You only have to enroll in MyMathLab once. You will use the same username and password for all the MEE courses.

Log in to the MyMathLab to begin work on the course of study.

Formula Sheet

This formula sheet provides you with a list of the most common formulas found in Math for Elementary Educators I. Use these formulas as you complete your course work. You will be provided with a list of formulas to reference during the exam when needed. However, it is important that you understand the content of the course so that you can quickly recognize which formula(s) you need during your objective assessment. Click this link to download the Formula Sheet for Math for Elementary Educators I.

Live Sessions

Course Instructors offer webinars to review task instructions and content with CMC1 students. These live sessions bring the material to life, offer opportunities for synthesis and analysis, and will assist you in completing the course in a timely fashion. You can find information about and the times of these events on the mentor-created google calendar.

Pacing Guide

Below is a suggested timeline for completing your studies.

**Week 1**

- Unit 1 Addition and Subtraction of Whole Numbers
- Unit 2 Multiplication and Division of Whole Numbers

**Week 2**
• Unit 3 Mental Math and Estimation
• Unit 4 Divisibility and Primes and Composites
• Unit 5 Greatest Common Divisor and Least Common Multiple

Week 3

• Unit 6 Integer Addition and Subtraction
• Unit 7 Integer Multiplication and Division

Week 4

• Unit 8 Basic Set Theory
• Unit 9 Problem Solving

Week 5/6

• Assessment

Additional Preparations

Purchase a Calculator
Acquire a scientific or graphing calculator and familiarize yourself with how to use it. Refer to the Calculator Guidelines in the WGU Student Handbook for details regarding calculators that are acceptable on WGU exams.

Whiteboards
Whiteboards may be used to assist you as you complete the assessment for this course. Paper, or other note taking resources, may not be used during the assessment. For math assessments only, scratch paper can be used only when taking the assessment at an on-site testing center.

Note: To download this video, right-click the following link and choose "Save as...": [download video].

Assessment Prep

Review the information below before taking your assessment.

Objective Assessment
Congratulations on completing the activities in this course! This course has prepared you to complete the objective assessment. The course instructors suggest you score an 80% or higher on each of the unit posttests in your study plan and take the Comprehensive Post Tests before taking the objective assessment.

Work with your program mentor to get approval for taking your assessment.

Before taking your exam, review the formula sheet. Remember, you will be provided with a list of formulas to reference during the exam. However, it is important that you understand the
course content so that you can quickly recognize which formula(s) you need during your objective assessment.

**Policies**

Please review these important policies.

**Accessibility Policy**
Western Governors University recognizes and fulfills its obligations under the Americans with Disabilities Act of 1990 (ADA), the Rehabilitation Act of 1973 and similar state laws. Western Governors University is committed to provide reasonable accommodation(s) to qualified disabled learners in University programs and activities as is required by applicable law(s). The Office of Student Accessibility Services serves as the principal point of contact for students seeking accommodations and can be contacted at ADASupport@wgu.edu.

**Netiquette**
Netiquette Guidelines

Online Netiquette: Guidelines for WGU Students These guidelines are a quick reference source for interacting with fellow students, mentors, and WGU staff. While these guidelines adhere to the standards outlined in the WGU Student Handbook, they are not meant as a replacement for the explicit information presented in the handbook.

**Be professional and respectful:**

- Be civil and kind in your interactions with others.
- Respond to important emails sent to you.
- Be cautious when using ALL CAPS (yelling), sarcasm, and humor
- Be cautious when posting content (pictures, comments)
- Avoid forwarding spam or selling anything.
- Keep comments related to the topic.
- Be aware that mentors, students, and others live in different time zones.

**Be short, concise, and readable:**

- Use sans serif fonts (e.g., Arial, Helvetica) with a point size of 12 or higher.
- Use acronyms cautiously. For example, common acronyms such as FAQ and RSVP are fine; however, unknown acronyms like UCET or USOE should be spelled out.

**Be credible:**

- Cite references and sources such as web links, articles, books, etc., when possible.
- Re-read your emails to clarify and ensure it sends the intended “message.”

**Be safe:**

- Keep personal information private to avoid identity fraud.
- Keep other’s information private (WGU students, companies, etc.)