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

Introduction

Course Overview
This course engages pre-service elementary teachers in mathematical practices based on deep understanding of underlying concepts. The course covers important topics in statistics, measurement, and covers geometry from synthetic, transformational, and coordinate perspectives. This is the third course in a three-course sequence.

Watch the following video introduction for this course:

For One-on-One Assistance

Schedule an appointment with a Course Instructor by clicking this link: Book an Appointment with a MEE Course Instructor

WGU Math for Elementary Educators Helpline:
1-877-435-7948 ext. 2970
Helpline Hours:
Sunday, Monday, Tuesday, Wednesday, Thursday
3:00 pm - 8:00 pm MT (5 - 10 pm ET, 4 - 9 pm CT, 2 - 7 pm PT)

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

- Competency 121.3.1: Data Analysis/Statistics
  The graduate analyzes statistical data using numerical measures and graphical displays in order to summarize data, predict trends, and make inferences.
- Competency 121.3.2: Geometric Shapes
  The graduate applies geometric properties of lines, angles, polygons, and circles to classify shapes and solve problems.
- Competency 121.3.3: Congruence and Similarity
  The graduate applies principles of congruence and similarity to solve problems.
- Competency 121.3.4: Transformations
  The graduate applies transformations to determine congruence and similarity of geometric shapes.
- Competency 121.3.5: Area, Volume and the Pythagorean Theorem
  The graduate applies formulas and theorems to find the length, area, and volume of figures and solve problems.
Teaching Dispositions Statement
Please review the Statement of Teaching Dispositions.

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:


Please follow these steps for registering and accessing the Pearson math for elementary educators resource:

1. Go to the MyLab and Mastering site and click on the Student button on the right side.
2. Next, click on the option (either "Register" or "OK, Register") to register yourself for a Pearson account.
3. For Course ID, enter lamath29842, and click on the Continue button.
4. After you enter your course ID, your course information will appear. Confirm that the information listed reflects the correct online course.
5. Next, Sign in to your existing Pearson account or click on the Create button to make a new one. CAUTION: You may already have an account from a previous course. You should try signing into an account before creating a new one.
6. Enter your WGU email address using the @wgu.edu format.
7. For your records, take a screenshot of this page before clicking
   1- "Create account."Mac = Shift + Command + 4
   2- Win10 = Windows + Shift + S or use the Snipping Tool
8. To register for your course, click on the Access Code option and enter WSCMMC-BANJO-BADEN-VELDT-PATHS-GAMES, then click the Finish button.

Complete your registration: If you used an access code to register, a confirmation page will display your course information. Clicking on the Go to Your Course button may only take you to the main Pearson page. To access your course, go to the MyLab and Mastering site and log in.
If you need assistance with this process, contact WGU Learning Resource Support at 866-895-9660 ext. 3124 or learning@wgu.edu.

**Live Sessions**

Course Instructors offer webinars to review task instructions and content with C682 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**

<table>
<thead>
<tr>
<th>Week</th>
<th>Units</th>
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| 1    | 1) Designing Experiments / Collecting Data  
      2) Displaying Data  
      3) Measures of Central Tendency and Variation |
| 2    | 4) Abuses of Statistics  
      5) Basic Definitions and Linear Measure  
      6) Polygons |
| 3    | 7) Angle Relationships  
      8) Congruence and Similarity  
      9) Transformations |
| 4    | 10) Two Dimensions  
      11) Three Dimensions |
| 5-6  | Assessment |

**Additional Preparations**

**Purchase a Calculator**

Acquire a scientific 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. Please view the following video for more information on how to use a whiteboard:

*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 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](mailto: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.)