Course: Math for Elementary Teachers II
3 Credit Hours

Prerequisite: A grade of "C" or better in a general education mathematics course (Math 109 or Math 116 or equivalent) and a grade of "C" or better in Math 211 are requirements. **NOTE:** If you are repeating this course, have struggled in previous math courses, or have “been away” from math for several years, I **strongly encourage** you to take advantage of my office hours or find a study group to meet with outside class. **A student must complete Math 212 with a "C" or better before being allowed enrollment in a methods class.**

Instructor: Leigh Ann Wells
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Email: leigh.wells@wku.edu

Office Hours: Posted on the door and on Blackboard.


MyMathLab: A subscription to MyMathLab which comes with a new book will be required for homework and some quizzes.

Computer Software: *Geometer’s Sketchpad*

Clicker: Students are required to purchase a clicker from the bookstore (if you don’t already have one) for classroom use. You will to need register your clicker on TopNet.

Calculator: Students are expected to have a scientific calculator for classroom use.
Other Materials: Pencils and erasers, a ruler, compass, protractor, plenty of loose leaf. Class notes and Power Point slides will be posted on Blackboard. You will need to print these before class and bring them to class.

Course Description: This course is the second of a two-course sequence that includes elementary work with measurement, geometry, algebra, relations, probability, statistics and computer software necessary to fully understand the ways in which these concepts are taught in elementary and middle school. This course is designed for those students in early grades (K-4) teacher certification program or those pursuing middle grades (5-8) certification with a mathematics major.

Attendance: Attendance in this course is crucial to your success. Therefore, your attendance and punctuality are expected each day. If you do not have any absences during the semester, 5 points will be added to your final exam grade. If you have only one absence, 4 points will be added to your final exam grade. If you have only two absences, 3 points will be added to your final exam grade. If you have more than two absences, no additional points will be added to your final exam grade. There are no excused absences. Being tardy for class and/or leaving class early two times will count as an absence.

Evaluation and Grading: The course grade will consist of six components: (1) homework grades, (2) quiz grades, (3) computer, writing and other assignment grades, (4) power point projects and discussion board grades, (5) exam grades and (6) the grade on the comprehensive final exam.

Homework: This is a college class and you are expected to keep up with your homework assignments. Please be ready to spend quality time on this course not only in class but more importantly outside of class. Homework will be assigned using MyMathLab. You ARE required to complete the homework using MyMathLab. A homework assignment will be given for each section covered and will be due at the beginning of the next class meeting. You are also required to attempt the assigned homework in the textbook during the course. The practice problems in the book are just for practice but they will be similar to those on your quizzes and exams. It is greatly to your advantage to do the practice homework problems since the quizzes and tests will contain some problems similar to those in the homework. We will not have time to work all the homework requests in class, so please take advantage of my office hours if you need additional help.

Quizzes: There will be several quizzes during the course. These quizzes will be clicker quizzes, MyMathLab quizzes and/or regular quizzes in class. They will consist
of problems similar to those assigned from your homework assignments and the practice problems from your class notes. If you have completed your homework and practice problems, you should do well on your quizzes. There will be NO MAKE-UP quizzes. However, you will be allowed to drop a quiz at the end of the course.

**Discussion Board:** There will be discussion board posts during the course that you will be required to complete. When a topic or question is posted, you are required to post an answer or comment to the original post. After you have completed your post, you will be required to respond to at least two more comments from other posts made by students in the class.

**Computer/Writing Assignments:** There will be at least two computer assignments during the course using Geometer’s Sketchpad and at least one writing assignment/project.

**Power Point Project:** You will be given a Power Point project that will be due at the end of the course to be presented in class on Tuesday May 5th or Thursday May 7th.

**Exams:** There will be 4 regular exams during the semester. Each exam is worth 100 points. **MISSING A TEST IS A SERIOUS MATTER! NO MAKE-UP EXAMS WILL BE ADMINISTERED (without prior arrangements and without extenuating circumstances)!** If you don't miss any regular exams and your final exam is higher than your lowest regular exam, then your final exam will replace that lowest regular exam grade.

**Final Exam:** A comprehensive final exam will be given in the course during the last class meeting of the semester. **You must make at least a 50% on the final exam to pass the course!** The final exam will be given on May 12th from 3:45 - 5:45.

**Course Grade:** A weighted average for this course will be calculated for students who have successfully completed all four modules and have taken the final exam. This weighted average will be calculated using the following scale.

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
</tr>
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<tbody>
<tr>
<td>Homework</td>
<td>10%</td>
</tr>
<tr>
<td>Quizzes &amp; Other Assignments</td>
<td>12%</td>
</tr>
<tr>
<td>Computer/Writing Assignments</td>
<td>5%</td>
</tr>
<tr>
<td>Power Point Projects</td>
<td>3%</td>
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<tr>
<td>Exams</td>
<td>50% (4 exams worth 12.5% each)</td>
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</table>
Letter grades will be assigned from the weighted average using the following grading scale.

- **A** 92 - 100
- **B** 84 - 91
- **C** 76 - 83
- **D** 68 - 75
- **F** 67 and below

**Additional Notes**

**Blackboard:** Blackboard will be utilized to provide class materials and for the posting of grades. Please check Blackboard on a regular basis.

**Cell Phones:** Cell phones, pagers and other electronic devices should be turned off during class. Cell phones may not be used as calculators.

**Drop Date:** The last day to withdraw from a fall course with a W is March 20th.

**ADA Statement:** In compliance with university policy, students with disabilities who require accommodations (academic adjustments and/or auxiliary aids or services) for this course must contact the Office for Student Disability Services in DUC A-200 of the Student Success Center in Downing University Center. The phone number is 745-5004.

Please DO NOT request accommodations directly from the professor or instructor without a letter of accommodation from the Office for Student Disability Services.

**Academic Honesty:** Source: WKU Student Handbook

- **Academic Offenses** -- The maintenance of academic integrity is of fundamental importance to the University. Thus it should be clearly understood that acts of plagiarism or any other form of cheating will not be tolerated and that anyone committing such acts risks punishment of a serious nature.

- **Academic Dishonesty** -- Students who commit any act of academic dishonesty may receive from the instructor a failing grade in that portion of the course work in which the act is detected or a failing grade in a course without possibility of withdrawal. The faculty member may also present the case to the Office of Student Life for disciplinary sanctions. A student who believes
a faculty member has dealt unfairly with him/her in a course involving academic dishonesty may seek relief through the Student Complaint Procedure.

**Plagiarism** -- To represent written work taken from another source as one’s own is plagiarism. Plagiarism is a serious offense. The academic work of a student must be his/her own. One must give any author credit for source material borrowed from him/her. To lift content directly from a source without giving credit is a flagrant act. To present a borrowed passage without reference to the source after having changed a few words is also plagiarism.

**Cheating** -- No student shall receive or give assistance not authorized by the instructor in taking an examination or in the preparation of an essay, laboratory report, problem assignment or other project which is submitted for purposes of grade determination.

**Other Types of Academic Dishonesty** -- Other types of academic offenses, such as the theft or sale of tests, should be reported to the Office of Student Life for disciplinary sanction.