MATH 2662 - Mathematics for Elementary and Middle School Teachers 2

Fall 2026 Syllabus, Section 01, CRN 42008,

Credit hours: 4

Instructor

Kathleen Good

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Public Instructor Information

Instructor Title: Mrs. Kathleen Good, MS
Instructor Professional Qualifications: MS in Education Administration
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Course Description

2662. Mathematics for Elementary and Middle School Teachers 2. A conceptual development of mathematics topics underlying today's elementary and middle school mathematics curriculum including Number Theory, Geometry, Measurement, Probability & Statistics. Emphasis on multiple approaches and representations, problem solving, and communication of mathematics. Incorporates manipulatives, technology, and classroom activities developmentally appropriate for elementary and middle school children. Prereq.: C or better in either MATH 2661 or MATH 2661C. 4 s.h.

Course Readings

Group	Title	Author	ISBN
Optional	No reading		

The course readings are subject to change in the event of extenuating circumstances, research developments, current events, and/or to ensure better learning.

Schedule of Topics and Assignments

Week of	Reading(s)	Proposed Topic	Due/To Prepare for Class
8/24	Chapters 9 and 10	Probability, Counting techniques, Simulation, Permutations, Combinations, and Introduction to Data Analysis and Statistics	Reading Questions, Problem sets and quizzes
8/31	Continue Chapters 9 and 10	Probability, Counting techniques, Simulation, Permutations, Combinations, and Introduction to Data Analysis and Statistics	Reading Questions, Problem sets and quizzes
9/7	Continue Chapters 9 and 10	Probability, Counting techniques, Simulation, Permutations, Combinations, and Introduction to Data Analysis and Statistics	Reading Questions, Problem sets and quizzes
9/14	Continue Chapters 9 and 10	Probability, Counting techniques, Simulation, Permutations, Combinations, and Introduction to Data Analysis and Statistics	Reading Questions, Problem sets and quizzes
9/21	Review for exam over Chapters 9 and 10	Probability, Counting techniques, Simulation, Permutations, Combinations, and Introduction to Data Analysis and Statistics	Exam 1
9/28	Chapter 11 and 14	Basic Geometry: notation, angles, curves, symmetry, polygons. Transformations: Translations, rotations, reflections, dilations. Tessellations of the Plane.	Reading Questions, Problem sets and quizzes

10/5	Continue Chapters 11 and 14	Basic Geometry: notation, angles, curves, symmetry, polygons. Transformations: Translations, rotations, reflections, dilations. Tessellations of the Plane.	Reading Questions, Problem sets and quizzes
10/12	Continue Chapters 11 and 14	Basic Geometry: notation, angles, curves, symmetry, polygons. Transformations: Translations, rotations, reflections, dilations. Tessellations of the Plane.	Reading Questions, Problem sets and quizzes
10/19	Continue Chapters 11 and 14	Basic Geometry: notation, angles, curves, symmetry, polygons. Transformations: Translations, rotations, reflections, dilations. Tessellations of the Plane.	Reading Questions, Problem sets and quizzes
10/26	Review Chapters 11 and 14	Basic Geometry: notation, angles, curves, symmetry, polygons. Transformations: Translations, rotations, reflections, dilations. Tessellations of the Plane.	Exam 2
11/2	Chapter 13	Linear Measurement, Pythagorean Theorem, Area, Surface Area, Volume	Reading Questions, Problem sets and quizzes
11/9	Continue Chapter 13	Linear Measurement, Pythagorean Theorem, Area, Surface Area, Volume	Reading Questions, Problem sets and quizzes
11/16	Continue Chapter 13	Linear Measurement, Pythagorean Theorem, Area, Surface Area, Volume	Reading Questions, Problem sets and quizzes
11/23	Continue Chapter 13	Linear Measurement, Pythagorean Theorem, Area, Surface Area, Volume	Reading Questions, Problem sets and quizzes
11/30	Review Chapter 13	Linear Measurement, Pythagorean Theorem, Area, Surface Area, Volume	Exam 3
12/7	Review for the final		

The course schedule, policies, procedures, and assignments in this course are subject to change in the event of extenuating circumstances, by mutual agreement, and/or to ensure better learning.