Math 4305-115, 60203, Concepts of Elementary Mathematics III

Summer 2023
Texas A&M University-Central Texas

COURSE DATES, MODALITY, AND LOCATION

Jun 5th, 2023 - Jul 28th, 2023

This is a 100% online course and uses the A&M-Central Texas Canvas Learning Management System

https://tamuct.instructure.com/

All course materials will be posted on Canvas.
Students are required to use the following platform for certain assignments:

www.geogebra.org

The student is required to use the proctorio software to proctor the quizzes, tests, midterm, and final exam.

Student will need access to the brilliant.org platform. Please navigate to:
https://brilliant.org/classroom/join/dj6tt8/

INSTRUCTOR AND CONTACT INFORMATION

Instructor: Mienie Roberts (Ph.D.)
Office: Heritage Hall, Room 302K or Online

Phone: (903) 705-9703
Email: Preferred: Canvas Inbox
Other: dekock@tamuct.edu

Office Hours online over Webex:

Mondays: 1 pm – 2 pm

Wednesdays: 1 pm – 2 pm

Click on the following link to meet with the instructor during her office hours or by appointment:
Graduate assistant:
Mr. Matthew Gradwohl
Tuesdays & Thursdays 7:30pm-9:00pm CDT

Link:
https://teams.microsoft.com/l/meetup-join/19:meeting_NDdjNTI1YzgtZmY1NS00ZWNiLWJhYzUtMjNkZThmMmE3MGEx@thread.v2/0?context=%7B%22Tid%22:%229eed4e30-00f7-4484-9ff1-93ad8005acec%22,%22Oid%22:%22507602-9cdc-4477-9774-38f1e2aad94e%22%7D

Student-instructor interaction
I will check messages once a day on the CANVAS inbox system and reply within 24 hours. Students are expected to check their CANVAS email and announcements daily. NO LATE ASSIGNMENTS WILL BE ACCEPTED.

Emergency Warning System for Texas A&M University-Central Texas
SAFEZONE. SafeZone provides a public safety application that gives you the ability to call for help with the push of a button. It also provides Texas A&M University-Central Texas the ability to communicate emergency information quickly via push notifications, email, and text messages. All students automatically receive email and text messages via their myCT accounts. Downloading SafeZone allows access to push notifications and enables you to connect directly for help through the app.

You can download SafeZone from the app store and use your myCT credentials to log in. If you would like more information, you can visit the SafeZone website [www.safezoneapp.com].

To register SafeZone on your phone, please follow these 3 easy steps:
1. Download the SafeZone App from your phone store using the link below:
   - iPhone/iPad: [https://apps.apple.com/app/safezone/id533054756]
2. Launch the app and enter your myCT email address (e.g. {name}@tamuct.edu)
3. Complete your profile and accept the terms of service
COURSE INFORMATION

Student-instructor interaction
I will check messages once a day on the CANVAS inbox system and reply within 24 hours. Students are expected to check their CANVAS email and announcements on a daily basis. NO LATE ASSIGNMENTS WILL BE ACCEPTED.

1.0 Course overview and description:

Program Goal
Texas A&M University-Central Texas students, upon completion of certification requirements, will be reflective professional educators who make effective educational decisions that support the creation of dynamic learning environments.

This course is intended for prospective teachers to review key concepts, principles, and strategies for teaching Mathematics in EC-6 and 4-8 classrooms. Technology and teaching methods will be incorporated where appropriate. Pre-requisites: Math 3305 (Math 1351).

Students are expected to be familiar with concepts covered in the following courses:
College Algebra
Math 3303 (Concepts of Mathematics I)
Math 3305 (Concepts of Mathematics II)

Math 4305 (Concepts of Mathematics III) is the third course in the sequence and will revisit topics covered in earlier mathematics courses. The course assumes a thorough understanding of concepts covered in the pre-requisite courses.

Students will have infinitely many attempts at the homework assignments. The quizzes, tests, midterm, and final exams are proctored and the student will have 1 attempt at each exam.

The student is required to use the proctorio software to proctor the quizzes, tests, midterm, and final exam.

The student is not allowed to use any resources except for the ones stated on the exams. Violation of test instructions will result in a zero grade on the exam. A second offence will result in a zero grade for the course.

Student learning outcomes as per the Core Subjects 7-12 Mathematics Math Standards
After completing this course, students should be able to:

• Solve open-ended elementary school problems in areas such as patterns, algebra, ratios, and percentages, (Covered in quizzes, midterm, final)

• Justify the use of our numeration system by comparing it to historical alternatives and other bases, and describe the development of the system and its properties as it expands from the set of natural numbers to the set of real numbers, (Covered in quizzes, midterm, final)

• Demonstrate the use of mathematical reasoning by justifying and generalizing patterns and relationships, (Covered in all assignments)

• Display mastery of basic computational skills and recognize the appropriate use of technology to enhance those skills, (Covered in presentations)

• Demonstrate and justify standard and alternative algorithms for addition, subtraction, multiplication and division of whole numbers, integers, fractions, and decimals, (Covered in quizzes, midterm, final)

• Identify, explain, and evaluate the use of elementary classroom manipulatives to model sets, operations, and algorithms, and (Covered in presentations)

• Use number-theory arguments to justify relationships involving divisors, multiples and factoring. (Covered on all assignments)

• Solve open-ended elementary school problems in using visualization and statistical reasoning, (Covered on all assignments)

• Use the GeoGebra software to explain abstract mathematical concepts, (Covered in Presentations)

• Demonstrate the use of mathematical reasoning by justifying and generalizing patterns and relationships, (Covered in all assignments)

• Identify, explain, and evaluate the use of elementary classroom manipulatives to model geometry, probability and statistics, (Covered in Presentations)

• Explain relationships among measurable attributes of objects and determine measurements, (Covered in quizzes, presentations, midterm, final)

• Analyze characteristic and properties of two- and three-dimensional geometric shapes and develop mathematical arguments about geometric relationships, (Covered on all assignments)

• Apply transformations and use symmetry to analyze mathematical situations, (Covered on all assignments)

• Explain and apply basic concepts of probability, and (Covered on all assignments)
• Formulate questions that can be addressed with data and collect, organize, and display relevant data to answer them. (Covered on all assignments)

**MATHEMATICS GENERALIST EC–6 STANDARDS**

**Standard I.** Number Concepts: The mathematics teacher understands and uses numbers, number systems and their structure, operations and algorithms, quantitative reasoning, and technology appropriate to teach the statewide curriculum (Texas Essential Knowledge and Skills [TEKS]) in order to prepare students to use mathematics.

**Standard II.** Patterns and Algebra: The mathematics teacher understands and uses patterns, relations, functions, algebraic reasoning, analysis, and technology appropriate to teach the statewide curriculum (Texas Essential Knowledge and Skills [TEKS]) in order to prepare students to use mathematics.

**Standard III.** Geometry and Measurement: The mathematics teacher understands and uses geometry, spatial reasoning, measurement concepts and principles, and technology appropriate to teach the statewide curriculum (Texas Essential Knowledge and Skills [TEKS]) in order to prepare students to use mathematics.

**Standard IV.** Probability and Statistics: The mathematics teacher understands and uses probability and statistics, their applications, and technology appropriate to teach the statewide curriculum (Texas Essential Knowledge and Skills [TEKS]) in order to prepare students to use mathematics.

**Standard V.** Mathematical Processes: The mathematics teacher understands and uses mathematical processes to reason mathematically, to solve mathematical problems, to make mathematical connections within and outside of mathematics, and to communicate mathematically.

**Standard VI.** Mathematical Perspectives: The mathematics teacher understands the historical development of mathematical ideas, the interrelationship between society and mathematics, the structure of mathematics, and the evolving nature of mathematics and mathematical knowledge.

**Standard VII.** Mathematical Learning and Instruction: The mathematics teacher understands how children learn and develop mathematical skills, procedures, and concepts, knows typical errors students make, and uses this knowledge to plan, organize, and implement instruction; to meet curriculum goals; and to teach all students to understand and use mathematics.

**Standard VIII.** Mathematical Assessment: The mathematics teacher understands assessment and uses a variety of formal and informal assessment techniques appropriate to the learner on an ongoing basis to monitor and guide instruction and to evaluate and report student progress.
Standard IX. Professional Development: The mathematics teacher understands mathematics teaching as a profession, knows the value and rewards of being a reflective practitioner, and realizes the importance of making a lifelong commitment to professional growth and development.

Subject Test II — Mathematics (802)

Competency 001 (Mathematics Instruction): The teacher understands how students learn mathematical skills and uses that knowledge to plan, organize and implement instruction and assess learning.

The beginning teacher:

A. Plans appropriate instructional activities for all students by applying research-based theories and principles of learning mathematics.

B. Employs instructional strategies that build on the linguistic, cultural and socioeconomic diversity of students and that relate to students’ lives and communities.

C. Plans and provides developmentally appropriate instruction that establishes transitions between concrete, symbolic and abstract representations of mathematical knowledge and that builds on students’ strengths and addresses their needs.

D. Understands how manipulatives and technological tools can be used appropriately to assist students in developing, comprehending and applying mathematical concepts.

E. Creates a learning environment that motivates all students and actively engages them in the learning process by using a variety of interesting, challenging and worthwhile mathematical tasks in individual, small-group and large-group settings.

F. Uses a variety of tools (e.g., counters, standard and nonstandard units of measure, rulers, protractors, scales, stopwatches, measuring containers, money, calculators, software) to strengthen students’ mathematical understanding.

G. Implements a variety of instructional methods and tasks that promote students’ ability to do the mathematics described in the Texas Essential Knowledge and Skills (TEKS).
H. Develops clear learning goals to plan, deliver, assess and reevaluate instruction based on the mathematics in the Texas Essential Knowledge and Skills (TEKS).

I. Helps students make connections between mathematics and the real world, as well as between mathematics and other disciplines such as art, music, science, social science and business.

J. Uses a variety of questioning strategies to encourage mathematical discourse and to help students analyze and evaluate their mathematical thinking.

K. Uses a variety of formal and informal assessments and scoring procedures to evaluate mathematical understanding, common misconceptions and error patterns.

L. Understands the relationship between assessment and instruction and knows how to evaluate assessment results to design, monitor and modify instruction to improve mathematical learning for all students, including English-language learners.

M. Understands the purpose, characteristics and uses of various assessments in mathematics, including formative and summative assessments.

N. Understands how mathematics is used in a variety of careers and professions and plans instruction that demonstrates how mathematics is used in the workplace.

**Competency 002 (Number Concepts and Operations):** The teacher understands concepts related to numbers, operations and algorithms and the properties of numbers.

The beginning teacher:

A. Analyzes, creates, describes, compares and models relationships between number properties, operations and algorithms for the four basic operations involving integers, rational numbers and real numbers, including real-world situations.

B. Demonstrates an understanding of equivalency among different representations of rational numbers and between mathematical expressions.

C. Selects appropriate representations of real numbers (e.g., fractions, decimals, percents) for particular situations.

D. Demonstrates an understanding of ideas from number theory (e.g., prime factorization, greatest common divisor, divisibility rules) as they apply to whole numbers, integers and rational numbers, and uses those ideas in problem situations.

E. Understands the relative magnitude of whole numbers, integers, rational numbers and real numbers including the use of comparative language and sets of objects.

F. Identifies and demonstrates an understanding of and uses of a variety of models and objects for representing numbers (e.g., fraction strips, diagrams, patterns, shaded regions, number lines).
G. Uses a variety of concrete and visual representations to demonstrate the connections between operations and algorithms.

H. Identifies, demonstrates and applies knowledge of counting techniques, including combinations, to quantify situations and solve math problems (e.g., to include forward, backward and skip counting, with or without models).

I. Identifies, represents and applies knowledge of place value (e.g., to compose and decompose numbers), rounding and other number properties to perform mental mathematics and computational estimation with automaticity.

J. Demonstrates a thorough understanding of fractions, including the use of various representations to teach fractions and operations involving fractions.

K. Uses a variety of strategies to generate and solve problems that involve one or more steps, with fluency.

**Competency 003 (Patterns and Algebra): The teacher understands concepts related to patterns, relations, functions and algebraic reasoning.**

The beginning teacher:

A. Illustrates relations and functions using concrete models, tables, graphs and symbolic and verbal representations, including real-world applications.

B. Demonstrates an understanding of the concept of linear function using concrete models, tables, graphs and symbolic and verbal representations.

C. Understands how to use algebraic concepts and reasoning to investigate patterns, make generalizations, formulate mathematical models, make predictions and validate results.

D. Formulates implicit and explicit rules to describe and construct sequences verbally, numerically, graphically and symbolically.

E. Knows how to identify, extend, and create patterns using concrete models, figures, numbers and algebraic expressions.

F. Uses properties, graphs, linear and nonlinear functions and applications of relations and functions to analyze, model and solve problems in mathematical and real-world situations.

G. Translates problem-solving situations into expressions and equations involving variables and unknowns.

H. Models and solves problems, including those involving proportional reasoning, using concrete, numeric, tabular, graphic and algebraic methods (e.g., using ratios and percents with fractions and decimals).
I. Determines the linear function that best models a set of data.

J. Understands and describes the concept of and relationships among variables, expressions, equations, inequalities and systems in order to analyze, model and solve problems.

K. Applies algebraic methods to demonstrate an understanding of whole numbers using any of the four basic operations.

**Competency 004** (Geometry and Measurement): The teacher understands concepts and principles of geometry and measurement.

The beginning teacher:

A. Applies knowledge of spatial concepts such as direction, shape and structure.

B. Identifies, uses, understands and models the development of formulas to find lengths, perimeters, areas and volumes of geometric figures.

C. Uses the properties of congruent triangles to explore geometric relationships.

D. Identifies, uses and understands concepts and properties of points, lines, planes, angles, lengths and distances.

E. Analyzes and applies the properties of parallel and perpendicular lines.

F. Uses a variety of representations (e.g., numeric, verbal, graphic, symbolic) to analyze and solve problems involving angles and two- and three-dimensional figures such as circles, triangles, polygons, cylinders, prisms and spheres.

G. Uses symmetry to describe tessellations and shows how they can be used to illustrate geometric concepts, properties and relationships.

H. Understands measurement concepts and principles, including methods of approximation and estimation, and the effects of error on measurement.

I. Explains, illustrates, selects and uses appropriate units of measurement to quantify and compare time, temperature, money, mass, weight, area, capacity, volume, percent, speed and degrees of an angle. J. Uses translations, rotations and reflections to illustrate similarities, congruencies and symmetries of figures.

K. Develops, justifies and uses conversions within and between measurement systems.

L. Understands logical reasoning, justification and proof in relation to the axiomatic structure of geometry and uses reasoning to develop, generalize, justify and prove geometric relationships.
M. Understands attributes of various polygons, including names and how sides and angles of the polygon affect its attributes.

N. Partitions or decomposes polygons to express areas as fractions of a whole or to find areas of nonstandard polygons.

O. Demonstrates the value and relationships of United States coins and bills and uses appropriate symbols to name the value of a collection.

P. Identifies, uses and understands the concepts and properties of geometric figures and their relationships.

Q. Describes the key attributes of the coordinate plane and models the process of graphing ordered pairs.

**Competency 005** (Probability and Statistics): The teacher understands concepts related to probability and statistics and their applications.

The beginning teacher:

A. Investigates and answers questions by collecting, organizing and displaying data in a variety of formats as described in the Texas Essential Knowledge and Skills (TEKS) and draws conclusions from any data graph.

B. Demonstrates an understanding of measures of central tendency (e.g., mean, median, mode) and range and uses those measures to describe a set of data.

C. Explores concepts of probability through data collection, experiments and simulations.

D. Uses the concepts and principles of probability to describe the outcome of simple and compound events.

E. Determines probabilities by constructing sample spaces to model situations.

F. Applies deep knowledge of the use of probability, in different scenarios, to make observations, draw conclusions and create relationships.

G. Solves a variety of probability problems using combinations and geometric probability (e.g., probability as the ratio of two areas).

H. Supports arguments, makes predictions and draws conclusions using summary statistics and graphs to analyze and interpret one-variable data.

I. Applies knowledge of designing, conducting, analyzing and interpreting statistical experiments to investigate real-world problems.
J. Generates, simulates and uses probability models to represent situations.

K. Uses the graph of the normal distribution as a basis for making inferences about a population.

**Competency 006 (Mathematical Processes):** The teacher understands mathematical processes and knows how to reason mathematically, solve mathematical problems and make mathematical connections within and outside of mathematics.

The beginning teacher:

A. Understands the role of logical reasoning in mathematics and uses formal and informal reasoning to explore, investigate and justify mathematical ideas.

B. Applies correct mathematical reasoning to derive valid conclusions from a set of premises.

C. Applies principles of inductive reasoning to make conjectures and uses deductive methods to evaluate the validity of conjectures.

D. Evaluates the reasonableness of a solution to a given problem.

E. Understands connections among concepts, procedures and equivalent representations in areas of mathematics (e.g., algebra, geometry).

F. Recognizes that a mathematical problem can be solved in a variety of ways and selects an appropriate strategy for a given problem.

G. Expresses mathematical statements using developmentally appropriate language, standard English, mathematical language and symbolic mathematics.

H. Communicates mathematical ideas using a variety of representations (e.g., numeric, verbal, graphic, pictorial, symbolic, concrete).

I. Demonstrates an understanding of the use of visual media such as graphs, tables, diagrams and animations to communicate mathematical information.

J. Demonstrates an understanding of estimation, including the use of compatible numbers, and evaluates its appropriate uses.

K. Knows how to use mathematical manipulatives and a wide range of appropriate technological tools to develop and explore mathematical concepts and ideas.

L. Demonstrates knowledge of the history and evolution of mathematical concepts, procedures and ideas.

M. Recognizes the contributions that different cultures have made to the field of mathematics and the impact of mathematics on society and cultures.
N. Demonstrates an understanding of financial literacy concepts and their application as these relate to teaching students (e.g., describes the basic purpose of financial institutions; distinguishes the difference between gross and net income; identifies various savings options; defines different types of taxes; identifies the advantages and disadvantages of different methods of payments, savings and credit uses and responsibilities).

O. Applies mathematics to model and solve problems to manage financial resources effectively for lifetime financial security, as it relates to teaching students (e.g., distinguishes between fixed and variable expenses, calculates profit in a given situation, develops a system for keeping and using financial records, describes actions that might be taken to develop and balance a budget when expenses exceed income).

4.0 Required Reading and Textbook:

All required materials and resources will be available on the Canvas LMS. The student is required to check the announcements on the CANVAS LMS on a daily basis. Student also needs access to the GeoGebra platform at: www.geogebra.org

5.0 Course Requirements:

Quiz 1: Standard 1 5 points
Quiz 2: Standard 1 5 points
Quiz 3: Standard 2 5 points
Quiz 4: Standard 2 5 points
Quiz 5: Standard 3 5 points
Quiz 6: Standard 3 5 points
Quiz 7: Standard 4 5 points
Quiz 8: Standard 4 5 points
Quiz 9: Standard 5 5 points
Quiz 10: Standard 5 5 points
Quiz 11: Standard 6 5 points
Quiz 12: Standard 6 5 points
Quiz 13: All standards 5 points
Quiz 14: All standards 5 points
Midterm: Domains and Standards 1, 2, 3, 4 300 points
Final: Comprehensive 250 points
Project 1: Standards 1,2 20 points
Project 2: Standards 3,4 20 points
Project 3: Standards 5,6 20 points
Project 4: Standards 1-6 20 points
Discussions (4 x 10): Standards 1-6 40 points
Homework 1 (Standard 1) 2 points
Homework 2 (Standard 1) 2 points
Homework 3 (Standard 1,2) 2 points
Homework 4 (Standard 2) 2 points
Homework 5 (Standard 2) 2 points
Homework 6 (Standard 3) 2 points
Homework 7 (Standards 1-3) 5 points
Homework 8 (Standard 3) 5 points
Homework 9 (Standard 3) 5 points
Homework 10 (Standard 4) 4 points
Homework 11 (Standard 1-4) 4 points
Homework 12 (Standard 5) 5 points
Homework 13 (Standard 6) 5 points
Homework 14 (Standard 6) 5 points
Test 1 (Standard 1) 25 points
Test 2 (Standard 2) 30 points
Test 3 (Standard 3) 35 points
Test 4 (Standard 4) 35 points
Test 5 (Standard 5) 40 points
Test 6 (Standard 6) 45 points

Total: 1000 points

Projects:
1. Student needs to complete courses on the GeoGebra platform and submit a lecture video with screen capturing software.
2. No credit will be given if the recording does not include audio and explanation of the concepts.

Rubric for Projects:

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<th>Excellent</th>
<th>Average</th>
<th>Poor</th>
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<td>Understanding of mathematical concepts (30%)</td>
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<td>Understanding of coding concepts (50%)</td>
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<td>Professional decorum (Presentation/Audio/Quality of video, etc.) (20%)</td>
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Readings/Discussions:
Readings should be completed on Canvas. Discussions will be posted on the Canvas LMS.

Rubric for online discussions:

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<td>Understanding of mathematical concept (50%)</td>
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<td>Grammar (25%)</td>
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Spelling (25%)

Technology requirements:
This is a 100% online course, and uses the A&M-Central Texas Canvas Learning Management System:

https://tamuct.instructure.com/

Every student is required to have access to a laptop/desktop and be able to use MS TEAMS for meetings. Here is a link to the meetings:
Click on the following link to meet with the instructor during her office hours or by appointment:

https://teams.microsoft.com/l/meetup-join/19:meeting_NDdjNTI1YzgtZmY1NS00ZWNiLWJhYzUtMjNkZThmMmE3MGEx@thread.v2/0?context=%7B%22Tid%22:%22%229eed4e30-00f7-4484-9ff1-93ad8005accc%22,%22Oid%22:%22%22fd507602-9cde-4477-9774-38f1e2aad94e%22%7D

Students should use the GeoGebra software which can be found at:
www.geogebra.org

The student is required to use the proctorio software to proctor the quizzes, tests, midterm, and final exam.

Grading Criteria Rubric and Conversion
Posting of Grades
Grades will be available on the Canvas Gradebook.

Grading Policies
No late assignment will be accepted.

COURSE OUTLINE AND CALENDAR

Complete Course Calendar

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<td>Week 1</td>
<td>June 5th Reading Module</td>
<td>June 6th Homework 1</td>
<td>June 7th Quiz 1 due</td>
<td>June 8th</td>
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<td>Week</td>
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<td>Reading Module 2 due</td>
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<td>Discussion 1 due</td>
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<td>Homework 2 due</td>
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<td>Quiz 7 due</td>
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<td>Review session for Midterm during office hours from 1pm-2pm</td>
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<td>July 5&lt;sup&gt;th&lt;/sup&gt;</td>
<td>Reading Module 5 due</td>
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<td>Quiz 8 due</td>
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<td>July 6&lt;sup&gt;th&lt;/sup&gt;</td>
<td>Discussion 3 due</td>
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<td>Test 4 due</td>
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<tr>
<td><strong>Week 6</strong></td>
<td>July 10&lt;sup&gt;th&lt;/sup&gt;</td>
<td>Homework 9 due</td>
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<td></td>
<td></td>
<td>Reading Module 6 due</td>
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<td>Project 4 due</td>
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<td>Discussion 4 due</td>
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<td></td>
<td>July 11&lt;sup&gt;th&lt;/sup&gt;</td>
<td>Quiz 9 due</td>
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<td>Homework 10 due</td>
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<td>July 12&lt;sup&gt;th&lt;/sup&gt;</td>
<td>Quiz 10 due</td>
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<td></td>
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<td>Homework 11 due</td>
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<td>July 13&lt;sup&gt;th&lt;/sup&gt;</td>
<td>Quiz 11 due</td>
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<td>Test 5 due</td>
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<td><strong>Week 7</strong></td>
<td>July 17&lt;sup&gt;th&lt;/sup&gt;</td>
<td>Homework 12 due</td>
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<td>Reading Module 7 due</td>
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<td>July 18&lt;sup&gt;th&lt;/sup&gt;</td>
<td>Quiz 12 due</td>
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<td>Homework 13 due</td>
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<td>July 19&lt;sup&gt;th&lt;/sup&gt;</td>
<td>Quiz 13 due</td>
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<td>July 20&lt;sup&gt;th&lt;/sup&gt;</td>
<td>Test 6 due</td>
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<td>Week 8</td>
<td>July 24&lt;sup&gt;th&lt;/sup&gt;</td>
<td>July 25&lt;sup&gt;th&lt;/sup&gt;</td>
<td>July 26&lt;sup&gt;th&lt;/sup&gt;</td>
<td>July 27&lt;sup&gt;th&lt;/sup&gt;</td>
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<td>Homework 14 due</td>
<td>Quiz 14 due</td>
<td>Final due</td>
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<td>Review session for final exam</td>
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**Important University Dates:**

[https://catalog.tamuct.edu/undergraduate_catalog/general-information/academic20calendars20and20final20exam20schedule/](https://catalog.tamuct.edu/undergraduate_catalog/general-information/academic20calendars20and20final20exam20schedule/)

**TECHNOLOGY REQUIREMENTS AND SUPPORT**

Student needs

- A computer and R/RStudio software.
- Internet connection for meetings on webex (with audio)
  [https://tamuct.webex.com/join/dekock](https://tamuct.webex.com/join/dekock)
- Internet connection to access the website:
  [www.geogebra.org](http://www.geogebra.org)

This course will use the A&M-Central Texas Instructure Canvas learning management system. **We strongly recommend the latest versions of Chrome or Firefox browsers. Canvas no longer supports any version of Internet Explorer.**

Logon to A&M-Central Texas Canvas [https://tamuct.instructure.com/] or access Canvas through the TAMUCT Online link in myCT [https://tamuct.onecampus.com/]. You will log in through our Microsoft portal.

Username: Your MyCT email address. Password: Your MyCT password

**Canvas Support**

Use the Canvas Help link, located at the bottom of the left-hand menu, for issues with Canvas. You can select “Chat with Canvas Support,” submit a support request through “Report a Problem,” or call the Canvas support line: 1-844-757-0953.

For issues related to course content and requirements, contact your instructor.

**Online Proctored Testing**

A&M-Central Texas uses Proctorio for online identity verification and proctored testing. This service is provided at no direct cost to students. If the course requires identity verification or
proctored testing, the technology requirements are: Any computer meeting the minimum computing requirements, plus web camera, speaker, and microphone (or headset). Proctorio also requires the Chrome web browser with their custom plug in.

**Other Technology Support**

For log-in problems, students should contact Help Desk Central, 24 hours a day, 7 days a week

Email: helpdesk@tamu.edu
Phone: (254) 519-5466

Web Chat: [http://hdc.tamu.edu](http://hdc.tamu.edu)

*Please let the support technician know you are an A&M-Central Texas student.*

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**UNIVERSITY RESOURCES, PROCEDURES, AND GUIDELINES**

**Drop Policy**

If you discover that you need to drop this class, you must complete the [Drop Request Dynamic Form](https://federation.ngwebsolutions.com/sp/startSSO.ping?PartnerIdpId=https://eis-prod.ec.tamuct.edu:443/samlssso&SpSessionAuthnAdapterId=tamuctDF&TargetResource=https%3a%2f%2fdynamicforms.ngwebsolutions.com%2fSubmit%2fStart%2f53b8369e-0502-4f36-be43-f02a4202f612).

Faculty cannot drop students; this is always the responsibility of the student. The Registrar’s Office will provide a deadline on the Academic Calendar for which the form must be completed. Once you submit the completed form to the Registrar’s Office, you must go into Warrior Web and confirm that you are no longer enrolled. If you still show as enrolled, FOLLOW-UP with the Registrar’s Office immediately. You are to attend class until the procedure is complete to avoid penalty for absence. Should you miss the drop deadline or fail to follow the procedure, you will receive an F in the course, which may affect your financial aid and/or VA educational benefits.

**Academic Integrity**

Texas A&M University-Central Texas values the integrity of the academic enterprise and strives for the highest standards of academic conduct. A&M-Central Texas expects its students, faculty, and staff to support the adherence to high standards of personal and scholarly conduct to preserve the honor and integrity of the creative community. Any deviation by students from this expectation may result in a failing grade for the assignment and potentially a failing grade for the course. All academic misconduct concerns will be referred to the Office of Student Conduct. When in doubt on collaboration, citation, or any issue, please contact your instructor before taking a course of action.

For more information regarding the [Student Conduct process](https://www.tamuct.edu/student-affairs/student-conduct.html),

If you know of potential honor violations by other students, you may [submit a report](https://cm.maxient.com/reportingform.php?TAMUCentralTexas&layout_id=0).
**Academic Accommodations**

At Texas A&M University-Central Texas, we value an inclusive learning environment where every student has an equal chance to succeed and has the right to a barrier-free education. The Warrior Center for Student Success, Equity and Inclusion is responsible for ensuring that students with a disability receive equal access to the university’s programs, services and activities. If you believe you have a disability requiring reasonable accommodations, please contact the Office of Access and Inclusion, WH-212; or call (254) 501-5836. Any information you provide is private and confidential and will be treated as such.

For more information, please visit our [Access & Inclusion](https://tamuct.instructure.com/courses/717) Canvas page (log-in required)

**Important information for Pregnant and/or Parenting Students**

Texas A&M University-Central Texas supports students who are pregnant and/or parenting. In accordance with requirements of Title IX and related guidance from US Department of Education’s Office of Civil Rights, the Dean of Student Affairs’ Office can assist students who are pregnant and/or parenting in seeking accommodations related to pregnancy and/or parenting. Students should seek out assistance as early in the pregnancy as possible. For more information, please visit [Student Affairs](https://www.tamuct.edu/student-affairs/pregnant-and-parenting-students.html]. Students may also contact the institution’s Title IX Coordinator. If you would like to read more about these [requirements and guidelines](http://www2.ed.gov/about/offices/list/ocr/docs/pregnancy.pdf) online, please visit the website [http://www2.ed.gov/about/offices/list/ocr/docs/pregnancy.pdf].

Title IX of the Education Amendments Act of 1972 prohibits discrimination on the basis of sex and gender—including pregnancy, parenting, and all related conditions. A&M-Central Texas is able to provide flexible and individualized reasonable accommodation to pregnant and parenting students. All pregnant and parenting students should contact the Associate Dean in the Division of Student Affairs at (254) 501-5909 to seek out assistance. Students may also contact the University’s Title IX Coordinator.

**Tutoring**

Tutoring is available to all A&M-Central Texas students, both virtually and in-person. Student success coaching is available online upon request.

If you have a question, are interested in becoming a tutor, or in need of success coaching, contact the Warrior Center for Student Success, Equity and Inclusion at (254) 501-5836, visit the Warrior Center at 212 Warrior Hall, or by emailing [WarriorCenter@tamuct.edu](mailto:WarriorCenter@tamuct.edu).

To schedule tutoring sessions and view tutor availability, please visit [Tutor Matching Services](https://tutormatchingservice.com/TAMUCT) or visit the Tutoring Center in 111 Warrior Hall.

Chat live with a remote tutor 24/7 for almost any subject from on your computer! Tutor.com is an online tutoring platform that enables A&M-Central Texas students to log in and receive online tutoring support at no additional cost. This tool provides tutoring in over 40 subject areas except writing support. Access Tutor.com through Canvas.
University Writing Center

Located in Warrior Hall 416, the University Writing Center (UWC) at Texas A&M University–Central Texas (A&M–Central Texas) is a free service open to all A&M–Central Texas students. For the Summer 2022 semester, the hours of operation are from 10:00 a.m.-4:00 p.m. Monday thru Thursday in Warrior Hall 416 (with online tutoring available every hour as well) with satellite hours available online only Monday thru Thursday from 6:00-9:00 p.m. and most Saturdays from 12:00-3:00 p.m.

Tutors are prepared to help writers of all levels and abilities at any stage of the writing process. While tutors will not write, edit, or grade papers, they will assist students in developing more effective composing practices. By providing a practice audience for students’ ideas and writing, our tutors highlight the ways in which they read and interpret students’ texts, offering guidance and support throughout the various stages of the writing process. In addition, students may work independently in the UWC by checking out a laptop that runs the Microsoft Office suite and connects to WIFI, or by consulting our resources on writing, including all of the relevant style guides. Whether you need help brainstorming ideas, organizing an essay, proofreading, understanding proper citation practices, or just want a quiet place to work, the UWC is here to help!

Students may arrange a one-to-one session with a trained and experienced writing tutor by making an appointment via WCOnline at [https://tamuct.mywconline.com/]. In addition, you can email Dr. Bruce Bowles Jr. at bruce.bowles@tamuct.edu if you have any questions about the UWC, need any assistance with scheduling, or would like to schedule a recurring appointment with your favorite tutor.

University Library

The University Library provides many services in support of research across campus and at a distance. We offer over 200 electronic databases containing approximately 400,000 eBooks and 82,000 journals, in addition to the 96,000 items in our print collection, which can be mailed to students who live more than 50 miles from campus. Research guides for each subject taught at A&M-Central Texas are available through our website to help students navigate these resources. On campus, the library offers technology including cameras, laptops, microphones, webcams, and digital sound recorders.

Research assistance from a librarian is also available 24 hours a day through our online chat service, and at the reference desk when the library is open. Research sessions can be scheduled for more comprehensive assistance, and may take place virtually through WebEx, Microsoft Teams or in-person at the library. Schedule an appointment here [https://tamuct.libcal.com/appointments/?g=6956]. Assistance may cover many topics, including how to find articles in peer-reviewed journals, how to cite resources, and how to piece together research for written assignments.

Our 27,000-square-foot facility on the A&M-Central Texas main campus includes student lounges, private study rooms, group work spaces, computer labs, family areas suitable for all ages, and many other features. Services such as interlibrary loan, TexShare, binding, and laminating are available. The library frequently offers workshops, tours, readings, and other
events. For more information, please visit our Library website [http://tamuct.libguides.com/index].

OPTIONAL POLICY STATEMENTS

A Note about Sexual Violence at A&M-Central Texas

Sexual violence is a serious safety, social justice, and public health issue. The university offers support for anyone struggling with these issues. University faculty are mandated reporters, so if someone discloses that they were sexually assaulted (or a victim of Domestic/Dating Violence or Stalking) while a student at TAMUCT, faculty members are required to inform the Title IX Office. If you want to discuss any of these issues confidentially, you can do so through Student Wellness and Counseling (254-501-5955) located on the second floor of Warrior Hall (207L).

Sexual violence can occur on our campus because predators often feel emboldened, and victims often feel silenced or shamed. It is incumbent on ALL of us to find ways to actively create environments that tell predators we don’t agree with their behaviors and tell survivors we will support them. Your actions matter. Don’t be a bystander; be an agent of change. For additional information on campus policy and resources visit the Title IX webpage [https://www.tamuct.edu/compliance/titleix.html].

Behavioral Intervention

Texas A&M University-Central Texas cares about the safety, health, and well-being of its students, faculty, staff, and community. If you are aware of individuals for whom you have a concern, please make a referral to the Behavioral Intervention Team. Referring your concern shows you care. You can complete the referral online [https://cm.maxient.com/reportingform.php?TAMUCentralTexas&layout_id=2].

Anonymous referrals are accepted. Please see the Behavioral Intervention Team website for more information https://www.tamuct.edu/bit

If a person’s behavior poses an imminent threat to you or another, contact 911 or A&M-Central Texas University Police at 254-501-5805.

OTHER POLICIES

No late assignments will be accepted in this class.

Copyright Notice

Students should assume that all course material is copyrighted by the respective author(s). Reproduction of course material is prohibited without consent by the author and/or course instructor. Violation of copyright is against the law and Texas A&M University-Central Texas’ Code of Academic Honesty. All alleged violations will be reported to the Office of Student Conduct.

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dekock@tamuct.edu