COURSE SYLLABUS

LAST REVIEW	Spring 2021
COURSE TITLE	Contemporary Math
COURSE NUMBER	MATH 0111
DIVISION	Math, Science, Business & Technology
DEPARTMENT	Mathematics
CIP CODE	24.0101
CREDIT HOURS	3
CONTACT HOURS/WEEK	Class: 3
PREREQUISITES	MATH 0103 Business Math or MATH 0104 Intermediate Algebra with a grade of "C" or higher.
COURSE PLACEMENT	Students must meet the correct placement measure for this course. Information may be found at: https://www.kckcc.edu/admissions/information/mandatory-evaluation-placement.html

COURSE DESCRIPTION
Contemporary Math is designed for students not planning to major in a field that required advanced mathematical skills. Problem-solving, critical-thinking, and quantitative reasoning skills needed to understand issues in work, life, and society are developed using interesting and unique mathematical problems and topics such as voting theory, apportionment, fair division, scheduling, growth models, finance, probability, statistics, historical counting systems, cryptography, and logic.

KANSAS SYSTEMWIDE TRANSFER: MAT1040
The learning outcomes and competencies detailed in this course outline or syllabus meet or exceed the learning outcomes and competencies specified by the Kansas Core Outcomes Groups project for this course as approved by the Kansas Board of Regents.

GENERAL EDUCATION LEARNING OUTCOME

☐ Basic Skills for Communication

☒ Mathematics

☐ Humanities

☐ Natural and Physical Sciences

☐ Social and Behavioral Sciences

INSTITUTIONAL LEARNING OUTCOMES

☐ Communication

☒ Computation and Financial Literacy

☒ Critical Reasoning

☒ Technology and Information Literacy

☐ Community and Civic Responsibility

☐ Personal and Interpersonal Skills

TEXTBOOKS

http://kckccbookstore.com/

METHODS OF INSTRUCTION

A variety of instructional methods may be used depending on content area. These include but are not limited to: lecture, multimedia, cooperative/collaborative learning, labs and demonstrations, projects and presentations, speeches, debates, panels, conferencing, performances, and learning experiences outside the classroom. Methodology will be selected to best meet student needs.

COURSE LEARNING OUTCOMES AND COMPETENCIES

A. Apply critical and logical thinking skills to various applications
B. Apply estimation and an understanding of numbers to various applications
C. Apply generalizations, principles, theories, or rules to the real world
D. Use statistics for decision making
E. Demonstrate basic concepts of probability and risk
F. Apply mathematical tools to financial applications
G. Apply mathematics to the study of social issues
H. Apply mathematics to applications across many different disciplines

ASSESSMENT OF COURSE LEARNING OUTCOMES AND COMPETENCIES

Student progress is evaluated through both formative and summative assessment methods. Specific details may be found in the instructor's course information document.

COLLEGE POLICIES AND PROCEDURES

Student Handbook
https://www.kckcc.edu/files/docs/student-resources/student-handbook-and-code-of-conduct.pdf

College Catalog
https://www.kckcc.edu/academics/catalog/index.html

College Policies and Statements
https://www.kckcc.edu/about/policies-statements/index.html

Accessibility and Accommodations
https://www.kckcc.edu/academics/resources/student-accessibility-support-services/index.html.