SCOTTSDALE COMMUNITY COLLEGE
A MARICOPA COMMUNITY COLLEGE

Course Information

Semester & Year:	Spring, 2022
Course Title:	College Mathematics
Course Prefix & Number:	MAT 140
Section Number:	32005 & 32006
Credit Hours:	5
Start Date:	2/01/2022
End Date:	05/13/2022
Meeting Days:	Tuesdays & Thursdays in Person Room: CM 461
Meeting Times:	9:40 – 11:55 am & 12:00 – 2:15 pm

Course Format

The course format is in person (face to face) on Tuesdays and Thursdays. This course runs February 1st – May 13th, and meets from 9:40 – 11:55 am for Section 32005 and from 12:00 – 2:15 pm for Section 32006

Instructor Information

Instructor:	Michael Little-Crow
Email:	Michael.little.crow@scottsdalecc.edu
Phone:	please use email
Office Location:	https://asu.zoom.us/j/6515208657
Office Hours:	Online office hours are by appointment. If you'd like to meet, send me an email with some suggested times and I will reply with a zoom appointment.

Calculator Requirement: A graphing calculator or graphing calculator app is required for this course. The instructor strongly recommends a TI-83+/TI-84+, you can rent one for $10 per semester from the Media Center in IT.

Course Description

Working knowledge of college-level mathematics and its applications to real-life problems. Emphasis on understanding mathematical concepts and their applications. Topics include proportional reasoning, modeling, finance, probability, and statistics.

Prerequisites

An appropriate District placement, or a grade of C or better in (MAT052, MAT053, and MAT055), or (MAT055, MAT056, and MAT057), or MAT085, or MAT09+, or MAT103 or MAT114 or MAT115.

Course Competencies

1. Solve contextual problems using proportional reasoning and dimensional analysis.
2. Demonstrate evidence-based decision making.
3. Evaluate the reasonableness of an answer in the context of the problem.
4. Demonstrate fluency with formulas, including evaluating and isolating variables.
5. Model data using linear and exponential (and optionally other) equations.
6. Compute and interpret empirical and theoretical probabilities and expected value of events.
7. Calculate, display, and interpret measures of central tendency, variability and position.
8. Use the Standard Normal Distribution to solve problems concerning normally distributed data.
9. Solve finance problems including loans, amortizations, investments.

Texts and Course Materials

Required Text: College Mathematics, Scottsdale Community College, 3rd edition OER 2020, ISBN: 978-1-63434-925-3. The instructor HIGHLY RECOMMENDS you purchase a printed copy of the textbook through the SCC Bookstore (digital copies can be accessed for free in Canvas).

Online Course Management System: This course uses Canvas, an Online Course Management System with an online math homework and testing system called MOER developed by David Lippman and the State of Washington integrated into Canvas.

Computer Access, Webcam, Microphone, and Email: You will need regular access to a computer with online capabilities in order to complete online assignments. You will also need access to a Webcam and a Microphone for exam proctoring. You will also need a valid email address that you (and only you) check regularly.

Suggested Pacing Schedule for MAT 140 – Fall 2021 – Little-Crow

Week of Tuesday - Monday	Tuesday	Thursday
2/01 – 2/07 Tuesday - Monday	Introduction to Cultural Math Alternative Credit Activity	Chapter 1 Instruction Measurement and Dimensional Analysis
2/08 – 2/14 Tuesday - Monday	Chapter 2 Instruction Equations & Linear Behavior	*Active Learning* *Lab Day to Review Ch 1 & 2*
2/15 – 2/21 Tuesday - Monday	Chapter 3 Instruction Percentages	Chapter 4 Instruction Modeling
2/22 – 2/28 Tuesday - Monday	Active Learning Lab Day to Review Ch 3 & 4	Chapter 5 Instruction Financial Math of Savings
3/01 – 3/07 Tuesday - Monday	Chapter 6 Instruction Financial Math of Loans	Active Learning Lab Day to Review Ch 5 & 6 ***Last Day for Withdrawal***
3/08 – 3/13 Tuesday - Sunday	Midterm Review Ch 1 to 6	Midterm Exam Available Ch 1 to 6
3/14 - 3/21 Tuesday - Monday	Spring Break No Class meetings or Assignments *Monday Feb 21 – President's Day holiday*	
3/22 – 3/28 Tuesday - Monday	Final Project Proposal Discussion *Summer & Fall Class Registration Opens*	Chapter 7 Instruction Sets & Venn Diagrams
3/29 – 4/04 Tuesday - Monday	Chapter 8 Instruction Probability #1	Active Learning Lab Day to Review Ch 7 & 8
4/05 – 4/11 Tuesday - Monday	Chapter 9 Instruction Probability #2	Chapter 10 Instruction Counting
4/12 – 4/18 Tuesday - Monday	Active Learning Lab Day to Review Ch 9 & 10	Chapter 11 Instruction Statistics #1
4/19 – 4/25 Tuesday - Monday	Chapter 12 Instruction Statistics #2	Active Learning Lab Day to Review Ch 11 & 12
4/26 – 5/02 Tuesday - Monday	Project Presentations / Work Day	Final Review Ch 7 to 12 in Class
5/03 – 5/08 Tuesday - Sunday	Project Presentations / Work Day	Final Review Ch 7 to 12 in Class
5/09 – 5/13 Finals Week	Final Exam Available Ch 7 to 12	Final Exam Available Ch 7 to 12

This suggested schedule is subject to change to address student learning success. Changes will not be made without first consulting and gaining student agreement.

Course Technologies

View the Accessibility Statements & Privacy Policies of technologies used in this course.

Maricopa Systems

This course uses key Maricopa systems for course management and communication.

- Canvas Learning Management System
- Student Maricopa Gmail Account
- Maricopa Open Educational Resource Learning System (MOER)

Streaming Media/Audio/Video Tools

This course uses webcasting, lecture capture systems, YouTube, and/or other streaming media services. YouTube

Course Policies

The following are policies specific to this course. Students are also responsible for the college policies included on the Student Regulations page of the Maricopa Community College District website.

Course Progression: This is an in person course with online coursework, but it is NOT self-paced. Students are expected to keep up with the assignments and due dates. **Students who fall more than 1 chapter behind (or do not complete any online work over the course of 5 consecutive days) may be withdrawn from the course**.

Withdrawing from the Course: If it becomes necessary for you to withdraw from the class, you must submit proper forms at the Admissions Office. The last day to withdraw **without** an instructor's signature is at the end of the seventh week. The last day to withdraw **with** an instructor's signature is two weeks before the last day of class. Additional information on withdrawals can be found in the College Catalog.

Math/Science Tutor Center: Free tutoring, calculator assistance, and computers are available online through the Math/Science Tutor Center (https://www.scottsdalecc.edu/students/tutoring/math). You will need to know your SCC student ID number in order to sign in.

Grading Standards & Practices

Grade Scale

Letter Grade	Points Range
A	900 – 1000
B	800 – 899
C	700 – 799
D	600 – 699
F	0 – 599

Grade Categories - Your final grade will be determined by the following graded events:

Projects	260
Online Homework	120
HW Quizzes	120
Midterm Exam Ch 1 to 6	250
Final Exam Ch 7 to 12	250
Total Points	1,000

Projects: There will be one project to complete during the semester. The project is your opportunity to connect Math with activities in your life. I call this one the Math of _____ where you can fill in the blank with just about anything (i.e. baseball, soccer, art, music, dancing, any activity …). I will provide some examples of projects completed by previous students to help you gain ideas. The product you will produce is a 4 to 5 minute presentation, either presented live in class or recorded along with a written portion on your topic.

Online Homework: You are expected to complete weekly homework assignments. These assignments are completed online using MOER. It will benefit you to write out the homework problems and show your work.

Homework Quizzes: End of chapter homework quizzes will be assigned through MOER over each chapter and will cover the material you practiced in your homework assignments.

Midterm Exam: There will be a midterm exam worth 250 points of your grade. Make up exams will only be granted in extreme circumstances and must be approved BEFORE the missed exam. Exam dates will be announced via email, and in Canvas, at least one week prior to the exam.

Final Exam: There is a final exam for the course, worth 250 points of the course grade. Make up exams will only be granted in extreme circumstances and must be approved BEFORE the missed exam. Exam dates will be announced via email, and in Canvas, at least one week prior to the exam.

Response Time

Your instructor will respond to posts on the discussion board, messages, and emails within 8 business hours (usually faster). Please understand that business hours are from 9 am to 5 pm, Monday through Friday. If you post a question or message, be aware that after 5 pm on Friday until Monday morning at 9 am is NOT part of business hours. Any holidays are also not considered part of business hours. Students can expect assignments to be graded within 5 business days after the due date.

Attendance Policy

SCC policy states that you may be withdrawn from the course by the instructor after three unexcused absences. Please be respectful of your learning, your associates in the class and the blood, sweat, and tears your instructor puts into creating the learning activities (okay, no blood, but a lot of sweat and a few tears)

Instructional Contact Hours (Seat Time)

This is a five (5) credit-hour course. Plan to spend at least five hours on learning course content, and at least 10 hours on homework weekly.

Online Tutoring

SCC's tutors are available online to help with your courses. You may work with an SCC tutor remotely using Google Meet, your phone, or email. Visit the SCC Tutoring & Learning Centers page for detailed information on the five learning center's hours and procedures.

As much as possible, it is highly recommended that you utilize SCC tutors since they are more familiar with SCC coursework, instructor expectations, and assignments; however, if you need to work with a tutor outside regular hours, online and hybrid

students now have access to a 24/7 online tutoring service called Brainfuse. Brainfuse provides online tutoring in a variety of academic subjects. Each student may utilize up to 6 hours of online tutoring through Brainfuse per semester, and has the option of requesting additional time if needed.

To access Brainfuse and begin working with a tutor:

1. Visit the SCC Online Tutoring Services Through Brainfuse page (https://www.scottsdalecc.edu/students/tutoring/online-tutoring)
2. Click the **Visit a tutor online** button
3. Enter your MEID and password
4. Choose your topic and subject
5. Click the **Connect** button

Please use your time effectively and be prepared with your questions before you connect to a tutor. Tutors and students communicate in real-time so whatever you type, draw, or share on the screen, the tutor sees, and vice versa. You may also want to have screenshots ready if applicable. All Brainfuse sessions are recorded for review later.

Learning Tools and Your Privacy and Security

SCC utilizes a variety of software applications and web-based tools operated by third party vendors to support student learning. To allow student access to the application, site or tool, certain identifiable information may be required to establish a user name or password, and submit work and/or download information from these tools. Inherent with all internet-based tools, there is a risk that individuals assume when electing to use these tools, as they may place information at risk of disclosure.

In this course, we will use MOER to complete or participate in assignments, activities and/or access course materials. Accessibility Statements and Privacy Policies for all tools used at SCC are available.

To use learning tools responsibly, please observe all laws and the Maricopa Community College District Student Conduct Code, such as copyright infringement, plagiarism, harassment or interference with the underlying technical code of the software. As a student using a learning tool, you have certain rights. Any original work that you produce belongs to you as a matter of copyright law. You also have a right to the privacy of your educational records. Your contributions to learning tools constitute an educational record. By using the tool, and not taking other options available to you in this course equivalent to this assignment that would not be posted publicly on the

internet, you consent to the collaborative use of this material as well as to the disclosure of it in this course and potentially for the use of future courses.

Students are responsible for the information contained in this syllabus, the Syllabus page in your Canvas course and the **College Policies & Student Services** page found in the First Steps module of your Canvas course. Students will be notified by the instructor of any changes in course requirements or policies.