Math 45 55167 Contemporary Mathematics

Instructor: Mr. Ron Reimer Meeting Times: MWF 8:00–8:50 AM Room: CCI 200	Office: FEM 1F Office Hours: 9–9:50 AM MWF, 10-10:50 AM TTh Email: ron.reimer@reedleycollege.edu Phone: 638-0300 ext 3355

Catalog Description: This course provides an introduction to mathematical problem solving in diverse areas of contemporary life such as statistics, social choice, measurement, and management science for students in the arts, humanities, and social sciences.

Objectives: In the process of completing this course, students will:
1. Characterize and compare different voting systems, using plurality, borda count, or pair-wise comparison.
2. Derive the probability of succeeding at basic games of chance.
3. Describe statistical data in a variety of methods such as in using mean, median, and standard deviation.
4. Use the empirical numbers to answer statistical questions.
5. Find the apportionment of a finite number of items.
6. Use various procedures to divide items fairly.
7. Find the terms of a sequence and series.
8. Measure the rate of growth of different systems, example: linear vs. exponential growth.
9. Solve problems from the area of management science by means of linear programming.
10. Create geometric shapes using recursive construction rules.

January 20	M	Martin Luther King Day, No Class
January 31	F	Last day to drop a Spring 2020 full-term class to avoid a "W" Must have a paid MyLab account by this date. Students without a paid MyLab account on this date may be dropped.
February 14-17	F-M	Presidents Weekend, No Class
March 13	F	Last day to drop a full-term class (letter grades required after this date)
April 6-10	M-F	Spring Recess, No Class
May 18	M	Final Exam 8:00-9:50 AM

Required:
- Online access to Pearson MyLab is required, digital text included
- a non-graphing scientific calculator, the TI-30XIIS is recommended, any will work. Phones and graphing calculators are not allowed on exams.

Attendence: In order to maintain continuity of subject matter regular attendance is imperative in any academic course. You are expected to attend all class sessions, arrive on time and stay for the entire session. Do not be late to class. If you are not present when role is taken you will be marked absent, it is your responsibility to inform me if you arrive after role has been taken.

Homework: Homework assignments will be submitted online through MyLab, some assignments may be submitted on paper. Assignments submitted late will receive 70% credit. Work must be written in a neat, organized way on paper.

Exams and Quizzes: There will be an several exams throughout this semester, and there may be intermediate quizzes between exams. The final exam will much of this course and will be weighted the same as a chapter exam in your grade. Topics or sections in text covered by exams will be announced. If it helps you, at the end of the semester your lowest chapter exam score will be replaced with your score on the final exam. Exams may not be taken late and may not be re-taken.

Grades: Final grades will be calculated based on weighted categories as follows.

Homework	25%
Exams and Final Exam	75%

Grading Scale:

$90 < A < 100$
$80 < B < 90$
$70 < C < 80$
$60 < D < 70$
$0 < F < 60$

If you have a verified need for an academic accommodation or materials in alternate media (i.e., Braille, large print, electronic text, etc.) per the Americans with Disabilities Act (ADA) or Section 504 of the Rehabilitation Act, please contact me as soon as possible.

Academic Dishonesty: Students at Reedley College are entitled to the best education that the college can make available to them, and they, their instructors, and their fellow students share the responsibility to ensure that this education is honestly attained. Because cheating, plagiarism, and collusion in dishonest activities erode the integrity of the college, each student is expected to exert an entirely honest effort in all academic endeavors. Academic dishonesty in any form is a very serious offense and will incur serious consequences ranging from a failing grade on a specific assignment to a failing grade in the course.