MAT 142 College Mathematics
Section 13194 (Hybrid)
Glendale Community College North
Spring 2019

Instructor Information
Instructor: John Grima

Office Location: GCC North room D108 (My office is located in the instruction building on the far west end of campus.)

Office Hours:
Monday 7:00 AM – 8:00 AM
Tuesday 1:00 PM – 2:00 PM
Wednesday 9:45 AM – 10:45 AM
Thursday 9:45 AM – 10:45 AM
 (If you can't find me in my office, look for me in the tutoring center next to my office.)

Phone: 623-888-7193 (This is my office phone and it cannot receive text messages.)

Email: john.grima@gccaz.edu

Course Information
Course format: Hybrid
Credit Hours: 3
Classroom location: GCC North Room A-107
Course Days and Times: Wednesday 7:00 AM – 8:15 AM
Exceptions: None
Instructional Contact Hours and Out-of-Class Student Work: We meet for 1 hour and 15 minutes in class each week. You should expect to spend at least 11 hours per week (on average) working on our class.

Attendance Requirements and Dropping
Attendance is essential to achieving course objectives. You are expected to attend all classes. Withdrawals may affect your scholarship/financial aid. Please see me if you are having problems that are preventing you from completing this course. If you decide you need to withdraw from the class, please fill out the paperwork to complete the process. You may be dropped from the class after 3 absences that are not "excused". "Excused" absences, according to GCC's policies include ONLY those due to college sanctioned events, jury duty and subpoenas, military commitments, the 'death of an immediate family member, or religious observances. Each of these excuses will require physical proof such as the summons or funeral program and will be verified.   Any combination of three tardies or early departures will count as one absence. Don't assume that you will be dropped from the class if you stop attending. If you do not withdraw from the class you may receive a grade of an F (April 10th) is the last day you can withdraw from this class and be guaranteed of a grade of a W.

Textbooks, Materials and Technologies

Textbook: None Needed

Calculator: Any scientific calculator will be adequate for most of our class.   A TI-83 or TI-84 graphing calculator is necessary for the chapter 3 test.   You may rent one of these calculators for $20 from the cashier in the C-building at GCC North. I have a few calculators I can lend out that you may use when you take the chapter 3 test. Do not purchase one of these calculators as they cost over $100 and we only need it for a few sections for the entire semester.

Cell phone calculators are **not permitted**.

Calculators that perform symbolic manipulation such as the TI-89 and TI-92 are **not permitted**.

All course material is available for free on my website. **http://web.gccaz.edu/~johwd63181/**

Grading Standards & Practices

Graded Assignments:

Assignment	Date	Points
Chapter 1 Test	February 6th	100
Chapter 2 Test	February 27th	100
Chapter 3 Test	March 27th	100
Chapter 4 Test	April 24th	100
Make up Test	May 1st	You may make-up any one test that you missed or did poorly on earlier this semester.
Total		400 points

Your grade on the final exam will be used to replace your lowest test score.

Letter Grade	Point Span
A	360 - 400
B	320 - 359
C	280 - 319
D	240 - 279
F	239 and below

You will receive a grade of F if you earn less than 240 points or fail to complete the course by the established date or without benefit of an official withdrawal.

Note Cards

You may use a 3 inch by 5 inch note card when you take a test if you turn in the required homework by the date given in the course outline.

Late Work / Make-Up Exams

Make-up tests: You must take your exam during the scheduled time.

If you miss one test you may take a make-up test for that chapter. You are limited to one make up test this semester.

You will get a grade of a 0 for any missed tests after the first missed test.

The make-up test may be more difficult than the test given in class.

Note cards are NOT permitted when you take a make-up test.

Make-up tests will be given on Wednesday, May 1st.

Where to get help
GCC North
There is free tutoring available in the D-building. Hours will be posted on my website.

GCC Main – Math Solution
The Math Solution at GCC main offers free drop-in tutoring to all GCC math students.

GCC Main MAT 108
Structured tutorial assistance and math study skills to help students achieve success in a mathematics course in which they are currently enrolled. Mathematics study skills emphasized. (2 credit hours)

Me
Feel free to stop in and see me during my office hours. See me if you can't make it during my office hours and we can arrange a time to meet.

Student Responsibility   GCC requires that students be responsible for the information in this syllabus as well as for the college policies that are included in the GCC catalog and in the student handbook.

Course Outline

Date	Activity
January 16th	Go over syllabus and how course works
January 23rd	Watch the chapter 1 videos that cover sections 1.1 – 1.4 and the video for part 1 of the chapter 1 practice test before coming to class. Complete all of the odd numbered problems in the sections as well as all of the problems on part 1 of the practice test. Bring a copy of the chapter 1 in class practice problems part 1 to class today and a copy of the extra practice test.
January 30th	Watch all of the chapter 1 videos (sections 1.1 – 1.7 and the video for part 2 of the practice test) before coming to class. Complete all of the odd numbered problems in the sections as well as all of the problems on part 2 of the practice test. Show me completed homework for sections 1.1 – 1.6 to be able to use a note card when you take the chapter 1 test. Bring a copy of the chapter 1 in class practice problems part 2 to class today and a copy of the extra practice test.
February 6th	**Chapter 1 test**
February 13th	Watch the chapter 2 videos that cover sections 2.1 – 2.4 and the video for part 1 of the chapter 2 practice test before coming to class. Complete all of the odd numbered problems in the sections as well as all of the problems on part 1 of the practice test. Bring a copy of the chapter 2 in class practice problems part 1 to class today and a copy of the extra practice test.
February 20th	Watch all of the chapter 2 videos (sections 2.1 – 2.6 and the video for part 2 of the practice test) before coming to class. Complete all of the odd numbered problems in the sections as well as all of the problems on part 2 of the practice test. Show me completed homework for sections 2.1 – 2.5 to be able to use a note card when you take the chapter 2 test. Bring a copy of the chapter 2 in class practice problems part 2 to class today and a copy of the extra practice test.

February 27th	**Chapter 2 test**
March 6th	Watch the chapter 3 videos that cover sections 3.1 – 3.4 and the video for part 1 of the chapter 3 practice test before coming to class. Complete all of the odd numbered problems in the sections as well as all of the problems on part 1 of the practice test. Bring a copy of the chapter 3 in class practice problems part 1 to class today and a copy of the extra practice test.
March 13th	NO CLASS – SPRING BREAK
March 20th (TI-83 or TI-84 calculator needed for sections 3.4-3.6)	Watch all of the chapter 3 videos (sections 3.1 – 3.6 and the video for part 2 of the practice test) before coming to class. Complete all of the odd numbered problems in the sections as well as all of the problems on part 2 of the practice test. Show me completed homework for sections 3.1 – 3.5 to be able to use a note card when you take the chapter 3 test. Bring a copy of the chapter 3 in class practice problems part 2 to class today and a copy of the extra practice test.
March 27th	**Chapter 3 test**
April 3rd	Watch the chapter 4 videos that cover sections 4.1 – 4.4 and the video for part 1 of the chapter 4 practice test before coming to class. Complete all of the odd numbered problems in the sections as well as all of the problems on part 1 of the practice test. Bring a copy of the chapter 4 in class practice problems part 1 to class today and a copy of the extra practice test.

April 10th	Watch all of the chapter 4 videos (sections 4.1 – 4.7 and the video for part 2 of the practice test) before coming to class. Complete all of the odd numbered problems in the sections as well as all of the problems on part 2 of the practice test. Bring a copy of the chapter 4 in class practice problems part 2 to class today and a copy of the extra practice test. (Skip 4.8 and 4.9).
April 17th	Pass out a new Chapter 4 Practice test – not for points You can complete this in class today to get a feel for the chapter 4 test. This assignment is not currently on my web page and I will bring it to class. Show me you completed chapter 4 homework for sections 4.1 – 4.7 to be able to use a note card when you take the chapter 4 test.
April 24th	**Chapter 4 test**
May 1st	-Class today is optional. -You should only come to class today if you plan to take a make-up test. - You may make up any one test of your choice. The make-up will be very similar to the test that was given in class. It will also be very similar to the practice test.

Course Description

College-level mathematics and its applications to real-life problems. Emphasis on understanding mathematical concepts and their applications. Topics include set theory, probability, statistics, finance, and geometry. Note: Appropriate for the student whose major does not require college algebra or precalculus. Prerequisites: (A grade of "B" or better in MAT090, or MAT091, or MAT092, or MAT093) or successful completion of Maricopa Modules, or satisfactory score on District placement exam, or (a grade of "C" or better in MAT120, or MAT121, or MAT122).

Course Technology Information
For this class you should have regular access to a computer with an Internet connection. You will also need to have a graphing calculator.

Canvas

Terms of Use: https://www.canvaslms.com/policies/terms-of-use-canvas
Privacy Policy: https://www.canvaslms.com/policies/privacy
Accessibility Statement: https://www.canvaslms.com/accessibility

Course Competencies

MCCCD Official Course Competencies

1. Distinguish between a subset and a proper subset. (I)
2. Use Venn diagrams to solve applied problems involving the union, intersection, and complement of sets. (I)
3. Distinguish between experimental and theoretical probability, and use each to solve applied problems. (II)
4. Use conditional probability to solve applied problems involving dependent events. (II)
5. Use probabilities to calculate odds, either in favor of or against a particular event, and vice versa. (II)
6. Solve probability problems involving combinations and permutations. (II)
7. Organize, analyze, and display data using multiple representations. (III)
8. Calculate and interpret measures of central tendency and dispersion. (III)
9. Calculate and interpret measures of location (percentiles and quartiles). (III)
10. Solve applications using the normal distribution. (III)
11. Solve applications involving loans and amortizations. (IV)
12. Solve applications involving annuities. (IV)
13. Calculate the annual interest rate given the annual yield and vice versa. (IV)
14. Solve real-life problems using exponential growth. (IV)
15. Use appropriate formulas and units of measure for composite geometric shapes and figures from real life problems. (V)
16. Apply unit analysis skills to solve applied problems. (V)
17. Use dimensional analysis to convert units of measurement between different systems. (V)

18. Use written and verbal communication to describe process and results. (I-VI)
19. Model and solve real-world problems. (I-VI)

Information for Students with Disabilities

If you have a documented disability, including a learning disability, and would like to discuss possible accommodations, please contact the GCC Disability Resources and services office at 623.845.3080 or email: drsfrontdesk@gccaz.edu.

Instructor Expectations

Instructors are expected to be professional, courteous, respectful and empathic to students. They will:

- Begin and end class on time
- Be prepared for each class session
- Provide academic feedback and grade assignments in a timely manner
- Be available for individual consultation
- Clarify assignments and inform students of any adjustments to the class schedule

Students are expected to be reflective, courteous, respectful and empathic to classmates, instructor and other college staff assisting in their learning. Students are expected to arrive on time for class and remain until class has ended. The instructor should be notified in advance if there is a need to leave early. Students will be expected to:

- Mute mobile phones and pagers before entering classroom
- Be in class and be on time
- Be prepared for class sessions
- Participate in class activities
- Follow instructions and complete assignments
- Keep up with and turn in assignments by due dates
- Put forth their best efforts
- Exchange phone numbers with two classmates in order to keep current
- Ask questions when they don't understand
- Maintain knowledge of their grade status
- Contact instructor right away about concerns or situations that may interfere with their success in class
- Comply with policies found in the GCC Academic Catalog and GCC Student Handbook

Students Rights and Responsibilities

You are expected to know and comply with all current published policies, rules and regulations as printed in the college Academic Catalogue, Syllabus and or Student Handbook.

Academic Catalogue: http://www.gccaz.edu/gcc-catalog

Student Handbook: http://www.gccaz.edu/student-life/office-student-life/student-handbook

The information in this syllabus is subject to change based on the discretion of the Instructor. You will be notified by the instructor of any changes in the course requirements or policies.