

Liberal Arts
Syllabus Fall 2022
August 15 - December 8

I. Course Information

Course Title: Liberal Arts

Course No. and Sect.: MGF1106-41

Credit Hours: 3

Meeting Day & Time: MW3:30-4:45PM

Course Location: Live Online via
Zoom

Meeting Dates: 8/15/22-12/8/22

Instructor Name: Karen McRae

Office Location: 3-208H

Office Hours: MW 12-3:30pm,
TH 9-11am Virtual

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Please use Canvas Inbox

Extended Emergency Closure

For emergency campus closings (natural disasters, etc.) call 352-291-4499 or 800-831-9244 or check our [website](http://www.cf.edu) (CF.edu).

II. Course Description

This is a lecture course designed for students whose majors do not require courses in Statistics, College Algebra or Pre-Calculus. MGF1106 is not designed as a prerequisite for other mathematics courses. This course covers many mathematical skills including systematic counting and probability, statistics, geometry, sets and logic. Some topics related to the history of mathematics are also included in the course. This course counts toward the Gordon Rule mathematics requirement for the A.A. degree.

Required Text Title: Thinking

Mathematically

Author of Text: Blitzer

Edition: 7th

ISBN No.: 8220123697600

Required Materials: MyMathLab

access code and a Scientific

Calculator, TI-30XS Multiview

You do not need to buy a hard copy of the book. The textbook is online on the MyMathLab website. When you buy your access code you will have access to the textbook online.

III. Student Learning Outcomes/Course Objectives

The following list offers students a consistent way to see how CF's global learning outcomes are assessed in each class. This is for information purposes only and does not change the grading system used in this class. Only those learning outcomes relevant to this course are included below.

Learning Outcomes & How Measured

Learning Outcome	Quiz	Exam
Quantitative and Analytical Reasoning: The student will understand and apply mathematical and scientific principles and methods.		
1. Perform accurate computations using order of operations with and without technology.	X	X
2. Identify and organize relevant information and complete the solution of an applied problem.	X	X
3. Interpret and communicate understanding of visual representations of data.	X	X
4. Demonstrate mathematical number sense and unit sense.	X	X

IV. Assessment

Attendance: Each student is required to attend all class meetings. Attendance is required for all tests and **there will be NO make-up tests**. Non-attendance/participation does not constitute withdrawal from this course. It is the student's responsibility to complete the withdrawal forms by the appropriate date (Attendance accounts for 5% of Final Grade.).

Grading Information: Homework, quizzes and tests will be assigned online. They must be completed by the due date.

1. During class we will discuss each section. Students are expected to take notes and then read each section as needed (Guided notes are provided in Canvas. You may download from Canvas and print.). There are practice problems at the end of each section (the answers to the odd problems are worked out in the Student Solutions Manual) as well as online.
2. Each section will have assigned homework problems. The graded homework problems are online and will be checked as you finish each problem. You can use the help on MyMathLab to do these problems. If you get a problem wrong you can try a similar problem and work until you get that problem type correct. You can retry homework problems until the due date and there are additional practice problems available in the online text book. Your lowest homework score will be dropped at the end of the semester.
3. There will be at least one online quiz for each chapter. The quiz problems will be similar to homework problems. You will not have the help buttons available when taking a quiz. You will have two attempts at each quiz; the better of the two scores will count towards your grade. The quiz must be completed before the questions are graded. If you use the second attempt you will need to do the whole quiz over, not just one particular problem. The problems will be similar but probably not exactly the same. Each quiz must be completed by the due date. Your lowest quiz score will be dropped at the end of the semester.
4. There will be five online tests. You must take your tests through Honorlock or schedule your test with the Testing Center on or before the due date. Test questions will be similar to those you have worked on for homework and quizzes and lecture notes. **If you should receive a HIGH ALERT incident level on your Honorlock proctored test, your test may be invalidated and your grade on the test will be a 0.** Your lowest of these five tests will be dropped at the end of the semester.
5. There will be a comprehensive online final exam through Honorlock on the date of your scheduled final. The exam will include questions from each of your previous tests. Your five test reviews will serve as your final exam review, so you will know the topics that will be covered on the exam. This exam is required and cannot be your dropped test.

Tests	70%
Quizzes	15%
Homework	15%

Grading scale (see current catalog):

A	90%-100%
B+	87%-89%
B	80%-86%
C+	77%-79%
C	70%-76%
D	60%-69%
F	Below 60%

Make-up policy: No make-up work will be given unless there is an emergency or prior approval has been given by the instructor. In such an event, you must notify your professor **before** the exam or item is due unless the emergency prohibits it and you may be asked to bring proof of the emergency. A make-up exam must be taken within one week of the original exam date unless the emergency prohibits it. Go to www.cf.edu/testing to schedule your exam and provide the testing date to your professor, so the password may be forwarded. While you do not need to disclose personal details, let your professor know as soon as possible if something is preventing you from participating online or completing work.

Proctoring: In order to verify student identity on assessments, this course requires proctored assessments. All assessments are proctored online through Honorlock or at a CF Testing location. If you plan to take a proctored exam online, you will be required to have a computer with Google Chrome, webcam and microphone. The exam fee is approximately \$5 per exam or \$10 for all six of your exams, paid directly to Honorlock. If you choose to take your exam at a CF Testing Center, you will be required to schedule your own appointment and provide your professor with the date and time, so the password may be forwarded to the Testing Center.

V. Course Schedule/Outline:

MGF1106-41 MW 3:30PM

Week	Dates		Activities	Due Date
Week 1	8/15	9.1	Measuring Length; Metric System	8/31
		9.2	Measuring Area & Volume	
	8/17	9.3	Measuring Weight & Temperature	8/31
			Quiz Chapter 9	
		10.1	Point, Lines, Planes & Angles	
Week 2	8/22	10.2	Triangles	8/31
		10.3	Polygons, Perimeter & Tessellations	
	8/24	10.4	Area & circumference	8/31
		10.5	Volume & Surface Area	
			Quiz Chapter 10	
Week 3	8/29		Review	8/31
	8/31		Test 1- Chapters 9 and 10	
Week 4	9/5		Labor Day Holiday	
	9/7	12.1	Sampling, Frequency distributions & Graphs	9/21
		12.2	Measures of Central Tendency	
			Quiz Chapter 12	
Week 5	9/12	1.1	Inductive & Deductive Reasoning	9/21
		1.2	Estimation, Graphs & Mathematical Models	
	9/14	1.3	Problem Solving	9/21
			Quiz Chapter 1	
Week 6	9/19		Review	
	9/21		Test 2 – Chapters 12 & 1	
Week 7	9/26	3.1	Statements, Negations & Quantified Statements	10/17
		3.2	Compound Statements & Connectives	
	9/28	3.3	Truth Tables for Negation, Conjunction & Disjunction	10/17
		3.4	Truth Tables for the Conditional & the Bi-conditional	
Week 8	10/3	3.4	Truth Tables for the Conditional & the Bi-conditional	10/17

		3.5	Equivalent Statements & Variations of Conditional Statements	
	10/4		Professional Development	
	10/5	3.6	Negations of Conditional Statements & DeMorgan's Law	10/17
		3.7	Arguments & Truth Tables	
Week 9	10/10	3.7	Arguments & Truth Tables	10/17
		3.8	Arguments & Euler Diagrams	
			Quiz Chapter 3	
	10/12		Review	
Week 10	10/17		Test 3 – Chapters 3	
	10/19	2.1	Basic Set Concepts	11/2
		2.2	Subsets	
Week 11	10/24	2.3	Venn Diagrams & Set Operations	11/2
		2.4	Set Operations & Venn Diagrams with Three Sets	
	10/26	2.5	Survey Problems	11/2
			Quiz Chapter 2	
		11.1	The Fundamental Counting Principal	
Week 12	10/31		Review	
	11/2		Test 4 - Chapter 2	
Week 13	11/7	11.2	Permutations	11/28
		11.3	Combinations	
	11/9	11.4	Fundamentals of Probability	11/28
		11.5	Probability with Counting, Permutations & Combinations	
	11/11		Veteran's Day	
Week 14	11/14	11.6	Events Involving Not and Or; Odds	11/28
		11.7	Events Involving And; Conditional Probability	
			Quiz Chapter 11	
	11/16		Review	11/28
Week 15	11/21			
	11/23-27		Thanksgiving Break	
Week 16	11/28		Test 5 - Chapter 11	
	11/30		Exam Review	
Exam Week	12/7		Final Exam	

Due to unforeseen happenings, it may be necessary for the course assignment schedule to be altered. The instructor will always strive to be fair about any changes.

The College of Central Florida is committed to helping you succeed and achieve your academic, personal and career goals. There are a wide range of resources and support services available to you. When students are connected early to resources and support systems on campus they are more likely to stay in classes, perform better in those classes, and complete their path more quickly. One example is through an Early Support Program, where you may receive an email indicating your professor or advisor is reaching out directly to help connect you to support services. This may include connecting you to tutoring, financial support, psychological support services, and disability services just to name a few. Be aware, you can also reach out to these services on your own as well. Additionally, we offer free tutoring, disability services, a testing center, and many other resources which are all available to you. [Please refer to the College Resources, Dates, and Policies document in your Canvas course to learn more about these supports and policies.](#)