

Spring 2023 Syllabus

MGF1107-01—Mathematical Explorations(3—credits)

I. Course Information:

- **Class Meets:** TH (11:00 – 12:15) in building 7, room 110
- **Instructor:** Kathryn Wagner
- **Office:** Building 2, Room 207
- **Office Hours:** MW 7:30-8:00, 9:30-10:45, and 12:30-1:15 pm, and TH 7:30-8:00, 9-9:30 and 12:30-1:15 pm, as well as virtually MW 7-8 pm by appointment.
- **E-mail:** wagnerk@cf.edu
- **Phone:** 352-854-2322 Ext. 1504
- If you have any questions or concerns, feel free to visit me during office hours or send me an e-mail. If you decide to contact me via e-mail, please include your name, course, and section number. This description will help me in assisting you. Note that if you email me from Canvas, this information is automatically included in your message. The best way to reach me is by email. Students may also use the “Ask My Instructor” function in MyMathLab homework assignments. This will send me a link directly the specific math problem that you requested help with. This will send me a link directly the specific math problem that you requested help with. When sending an “Ask My Instructor” link, please include a description of what you are having difficulty with. This will help me to better answer any question(s) you may have. If you leave a voicemail, please leave your name and an email address I can respond to. Please allow 24 hours for a response Monday morning through Thursday afternoon and up to 72 hours for a response Thursday evening through Monday morning. Scheduled holidays may extend the response time. It is important to make sure that your MyMathLab and Canvas accounts are linked to an e-mail address you use on a regular basis (such as Patriots Mail) as MyMathLab and Canvas will be the main ways I will contact the class with announcements and updates. It is strongly advised for students to check their e-mail and Canvas announcements often.
- **Extended Emergency Closure:** “For emergency campus closings (natural disasters, etc.) call 352-291-4499 or 800-831-9244 or check our [website](#) (CF.edu).”
- **Attendance Verification:**
- A student will be verified as “Attending” the course if two objectives are completed:
 - Successfully registering for MyMathLab
 - Completing at least one homework assignment or exam

II. Course Description:

This course is designed for students whose majors do not require courses in Statistics, College Algebra or Pre-Calculus. MGF 1107 is not designed as a prerequisite for other mathematics courses. This course covers many mathematical skills including topics such as history of mathematics, number systems, financial mathematics, voting and appointment techniques, elementary number theory and graph theory. This course counts toward the Gordon Rule mathematics requirement for the A.A. degree. **I expect you to come to class having read the week’s scheduled sections in the e-text, watched the corresponding lecture videos, and attempted the corresponding homework.**

- **Required materials:**
 - MyMathLab/access code and scientific calculator. No cell phones!
 - Students must register for MyMathLab through the “MyLab and Mastering” tab in Canvas. Going about this any other way results in a prompt for a course ID number, which is not necessary for this course.

- A valid webcam, microphone, and picture ID will be required for online proctoring through Honorlock.
 - Instructions for registering for MyMathLab will be provided in Canvas announcements.
 - A tutorial video for taking exams with Honorlock will be provided in Canvas announcements.
- **Optional materials:** Textbook: THINKING MATHEMATICALLY (LL)-W/MYMATHLAB, BLITZER (ISBN- 978013903575). (An electronic copy of the textbook is available in MyMathLab, so it is not required to purchase the text.)

III. Student Learning Outcomes/Course Objectives

Quantitative and Analytical Reasoning-The student will understand and apply mathematical and scientific principles and methods.

- Perform accurate computations using order of operations with and without technology.
- Identify and organize relevant information and complete the solution of an applied problem.
- Interpret and communicate understanding of visual representations of data.
- Demonstrate mathematical number sense and unit sense.

IV. Assessment

Each student's grade in the course will be based upon correct and completed work in three separate categories: homework, unit exams, and a comprehensive final exam. Each category will be explained below. Pay close attention to the due dates for all units. These dates are noted in the syllabus as well as in MyMathLab. It is the student's responsibility to make sure that all work is completed on time and to be prepared for all exams. It is imperative that students keep up with course material and not wait until the last moment to complete assignments/study for exams. Registering for MyMathLab is a requirement for completing homework, quizzes, and exams in the course, receiving important announcements from your instructor, and monitoring your grade. Instructions for signing up for MyMathLab will be provided. Using MyMathLab, you should view each power point, videos, interactive videos, the textbook, and other available materials under the course contents. These materials serve to enhance the primary teaching portion of the course, which is the in-class lecture. After viewing the material, you should do the homework for the chapter. **I expect you to come to class having read the week's scheduled sections in the e-text, watched the corresponding lecture videos, and attempted the corresponding homework.** Students may complete homework and unit exams prior to the due date. The final exam must be completed within the specified window of time.

All MyMathLab assignments in this course will be divided into four units:

- Unit 1: Homework for sections 5.1 – 5.5 and unit exam 1.
- Unit 2: Homework for sections 6.1 – 6.3 and 7.1 - 7.3 and unit exam 2.
- Unit 3: Homework for sections 8.1 – 8.8 and 12.1 - 12.2 and unit exam 3.
- Unit 4: Homework for sections 4.1 – 4.4 and 14.1 – 14.4, and unit exam 4.

Homework: Students have unlimited attempts on the homework and practice problems. If a student fails to answer homework problem correctly three times in a row, a similar problem will be given in its place. They are found under the "Homework" tab in MyMathLab. Only the highest homework score counts toward the grade. Only homework problems completed prior to the due date will receive credit. All homework assignments are equally weighted for a combined total of 20% of the final grade. Each homework set will be due on the date and time of the corresponding unit exam. See MyMathLab for due dates.

Exams: There will be 5 exams altogether: the 4 unit exams, as well as a comprehensive final exam. Students have one attempt on a unit exam. The options for test-taking are given below. It is imperative that you pay close attention to instructions for taking your tests! A schedule of exam due dates is given in the syllabus schedule, as well as in MyMathLab. Any changes to that schedule will be announced several days in advance,

in class! If a student fails to take the test by the due date, the student will receive a zero for the exam. No makeup exams will be given! Eligible missed exams may be replaced by the score on the final exam. No score replacement will occur on a zero grade obtained via cheating/academic dishonesty or cellular phone usage. The four unit exams are each equally weighted for a combined total of 60% of the final grade (15% each). In addition to the unit exams, there will be one comprehensive final exam for this course, weighted at 20% of the final grade. No makeup final exams will be given! If the final exam is missed, it will count as a 0% and no score replacement will occur on a unit exam. While students may work ahead on unit exams, the final exam will only be available during the window of days posted in the syllabus.

Exam Proctoring Options: Students have two options to proceed with taking exams:

- Option 1: Honorlock
 - There are technology/hardware requirements when using the Honorlock online proctoring service. A valid webcam, microphone, and photo ID are necessary.
 - When you are ready to take an exam, select the “Honorlock” tab in Canvas, choose the exam you wish to take, then follow the directions to get your exam started.
 - A link to an Honorlock tutorial video is available on the Canvas “Home” page
 - Students must follow Honorlock policies and procedures to use this online proctoring service.
 - There may be a wait for password entry after the exam initialization procedures have been followed.

- Option 2: Ocala Campus Testing Center
 - Appointments for exams in this course may be scheduled at the Ocala campus testing center by visiting <https://onetesting.net/campus/ocala-testing>
 - Days/times for scheduling are limited and it will be the student's responsibility to work with any current exam due dates.
 - It is highly recommended that students schedule exams well in advance if they wish to take their exams at the testing center.
 - Students may request a physical copy of the financial formula page for exam 3 and the final exam if testing on campus.
 - Students must follow the testing center’s policies and procedures, and abide by their business hours.

 - **Update:** The Citrus campus testing center may be allowing students to make appointments for testing. Please contact them for further details.

 - **Update:** Students may wish to contact the Ocala campus library (Learning Resource Center) if the Ocala testing center is fully booked.

The semester grade is weighted as follows: Homework Exercises (online)--20%
 Four Unit Exams (online)-----60%
 Comprehensive Final (online)--20%

Letter grades are based on the following scale. All grades can be viewed in MyMathLab.

A	Excellent	90% and above	4.0 quality points
B+	Very Good	87%-89%	3.75 quality points

B	Good	80%-86%	3.0 quality points
C+	High Average	77%-79%	2.75 quality points
C	Average	70%-76%	2.0 quality points
D	Poor	60%-69%	1.0 quality points
F	Failure	59% and below	No quality points
FF	Failure	Academic Integrity	No quality points

V. Online Tutoring Assistance

You can use the [Smarthinking Online Tutoring](#) tab on the left menu bar to access tutors. The College of Central Florida tutors are at the top and the subject will have a CF in front of it. Please make sure you utilize our CF tutors. The initial username for Smarthinking is your CF ID number followed by CF (e.g., 99999CF). The initial password is **lastname (lowercase)**. Then you will create your own account. The limit for Smarthinking is 5 hours per student. If you desire more time contact Josh Strigle at x-1317 or dlhelp@cf.edu. Some external math websites that you could also use are: [Khanacademy](#), [Quickmath](#), and [Purplemath](#).

VI. Course Schedule/Outline

<u>Week #</u>	<u>Topics covered</u>	<u>Other Information</u>
1 (01/09-01/12)	Introduction, 5.1, 5.2	All units Open
2 (01/16-01/19)	5.3, 5.4	No classes on Monday, 1/16-MLK Day
3 (01/23-01/26)	5.5, 6.1, Review for unit exam 1	Unit 1 Closes 1/29 at 11:59 pm
4 (01/30-02/02)	6.2, 6.3	
5 (02/06-02/09)	7.1, 7.2	
6 (02/13-02/16)	7.3, 8.1, Review for Unit exam 2	No classes on Tuesday, 2/14-Prof. Dev. Day Unit 2 Closes 2/19 at 11:59
7 (02/20-02/23)	8.2, 8.3	
8 (02/27-03/02)	8.4, 8.5	
9 (03/06-03/09)	8.6, 8.7	
10 (03/13-03/16)	None.	Spring Break!!
11 (03/20-03/23)	8.8, 12.1, 12.2	
12 (03/27-03/30)	4.1, 4.2, Review for unit exam 3	Unit 3 Closes 4/2 at 11:59 pm
13 (04/03-04/06)	4.3, 4.4	
14 (04/10-04/13)	14.1, 14.2	
15 (04/17-04/20)	14.3, 14.4, Review for unit exam 4	Unit 4 Closes at 11:59 pm, 4/23
16 (04/24-04/27)	Review and catch-up!!	

*****Final Exam—see the schedule below for exact time! Please note the end times are NOT 11:59 pm!!!**

Your final is available starting Friday, 4/28, and is due by Monday, May 1 at 11:00 am

STATEMENT: 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.