

**SOUTH FLORIDA STATE COLLEGE
DIVISION OF ARTS AND SCIENCES
COURSE SYLLABUS**

MGF1107 Liberal Arts Math II (3 credit hours)

Instructor:
Office Location:
Office Hours:

Phone:
Email:

Welcome:

Welcome to Liberal Arts Math II, I want you to be successful in this course and I will do what I can to help you succeed. However, ultimately it is you who must be responsible for doing the work necessary to succeed and achieve the grade you desire. Keep in mind that the college is not an institution where students receive all their education in the classroom. Most of your learning must happen individually, so be prepared to work hard on your own. Please remember that I want to help you, so please ask questions!

Catalog Description:

This course will present topics that demonstrate the beauty and utility of mathematics. Some appropriate topics are financial mathematics, linear and exponential growth, numbers and number systems, history of mathematics, elementary number theory and graph theory, logic, and reasoning.

Prerequisites:

MAT 1033 Intermediate Algebra, appropriate placement score, or the permission of the instructor; a willingness to devote sufficient time to reading, studying, and working problems outside of class in preparation for each class meeting.

Course Materials:

Required: Camscanner App or equivalent.

Suggested Material: Mathematical Ideas by Miller, Hereen, & Hornsby (Any edition will work)

Instructional Methods:

Instructional videos, PowerPoints, and discussion boards.

Course Resources:

Brightspace

- **INSTRUCTOR:** I encourage you to ask questions at any time or see me during my office hours if you have questions.
- **Weekly Lesson Videos:** Can be found under Content – Weekly Lesson Videos

- Office Hours: You're welcome to see me in person during my posted hours or use Zoom during any of the hours. When meeting use the following Zoom link & password (posted on instructor's syllabus).

Course Content:

Ancient Mathematical Systems – Egyptian, Babylonian, Mayan, Chinese, Greek, Roman
Mathematical “Tricks”
Base Systems
Simple & Compound Interest
Simple Interest with loans & repayment
Annual Percentage Rate
Unearned Interest
Fixed & Variable Rate Mortgages
Closing Costs
Taxes, Insurance, & Maintenance
Voting Methods – Plurality, Pairwise Comparison, Borda, & Hare
Voting Criterion
Apportionment

Class Attendance:

You are expected to be in the classroom & ready at the time class is to begin. Any in/out's will be considered absent for that day.

Course Requirements:

You must be able to present the concepts and skills discussed in class in a written format. **All steps must be shown** in the same method I show in the videos. I will not accept work/assignments which have only answers written on it (exempt for certain cases), because I give partial credit, it is to your advantage to SHOW YOUR WORK!! You are expected to upload files in .doc, .pdf, .jpg, or .png file formats (*common file formats*). Multiple file uploads must be renamed appropriately: Page 1, p 1, 1, etc. Please check your file prior to upload. You are welcome to ask for me to check a submission for any errors or for quality prior to upload (just email it to me as an attachment).

Even though you can take pictures of each page, if you have multiple files the files must be renamed appropriately. Failure to rename multiple files will result in an automatic zero for that submission with no possibility of reupload/resubmission. It is suggested to use scanning apps like Adobe Scan or CamScanner. Both apps are available for Android and Apple devices. These apps will “scan” your work into one pdf file which can be uploaded. Check that your pictures and/or “scans” are clear as some might not initially take well depending on your device, writing utensil used, light, etc.

No late submissions will be allowed and/or accepted

Quizzes (Dropbox): At the end of every class you will be given exercises to work on as practice. You're welcome to ask the instructor about the questions and have the instructor check to see if you did it correctly. One or two of the given questions will need submitted to the dropbox the morning of the next class meeting. Dropbox will open at least 5 minutes prior to the start of class. Some questions

will be on topics or statements mentioned during classes. Some quizzes will have extra credit questions. If you are not present and able to submit the quiz, you will receive a zero. Quizzes cannot be made up and/or done later.

Tips:

- Do not email a picture to yourself
- Do all submission via mobile
- Use the Brightspace Pulse app
- Take a picture/scan of the entire page. If other questions are included, that doesn't matter.
- Make sure the picture is clear and easy to read, use a high resolution.
- Have the homework completed & make sure you know the material covered the previous day(s) which is what each quiz will cover.

Lesson Videos: Watch the video for information and examples about that week's lesson. The videos under Embedded & YouTube links are the exact same video, you are welcome to use whichever you prefer. Some videos will include "Easter Eggs" or "extra questions." These are not extra credit, rather are extra homework questions. If you're watching a video on Mayan numbers and encounter an Easter Egg during that video, that means that Easter Egg should be included with the homework on Mayan numbers. Not doing and/or including an Easter Egg is the same as not doing a written homework question.

Lesson Video Comments (Discussion Board): After watching the weekly lesson video, leave a comment in the appropriate Discussion Board. The comment must be about something you learned in the video and/or found interesting from the video. Please do not use txt spk in the discussion boards and use basic proper grammar. When stating something you learned and something, you are uncertain, you must have these separated. If your discussion board post is not setup like the example below or does not have at least one sentence for both items, you will get 1 out of 2 points. Putting "I don't get this" or equivalent counts as you did not do that part of the discussion board. Be specific about what you do not understand.

Example: I learned about how to throw a ball.
 I don't know how to hit a ball.

Projects: There will be projects during this course. The projects are for you to do research and/or apply what is learned in this course. Rubrics for each project will be provided along with at least one class day to work on the project. Due dates for each project will be shown on its dropbox. As with everything else in the course you're welcome to have your work checked prior to submission.

Grading:

Grading structure will be provided on the instructor's syllabus.

The course grade will be submitted to the Registrar and printed on the student's transcript.

DISCLAIMER: Course policies, procedures, and schedule may be changed at any time at the discretion of the instructor. You will be advised of any changes in writing.