

SYLLABUS – STUDENT COURSE INFORMATION SHEET**I. COURSE DESCRIPTION/PREREQUISITES:**

MGF 1107: Mathematics for Liberal Arts II, 3 lecture hours, 3 credit hours.

PREREQUISITE: Successful completion of MAT 0012, or MAT 0055, or MAT 0056; or a PERT score of 114 – 122; or ACT score of 19+.

II. TEXTBOOK/CALCULATORS:

TEXTBOOK: The textbook for this course is BRANCHES AND ROOTS OF THE TREE MATHEMATICA. This book is available free online. It can be found on Canvas.

CALCULATORS: The Mathematics Department highly recommends using a TI-84 or a TI-83 calculator for ALL mathematics courses. You will find this calculator extremely useful for Chapter 4.

III. STUDENT LEARNING OUTCOMES:

This course will teach the student about the following:

1. Derivation of the Hindu-Arabic numbers and about other numbering systems.
2. Selected topics/history from number theory including polygonal numbers, prime numbers, magic squares, and number mysticism.
3. Selected topics/history from graph theory including Euler's theorem, the traveling salesman problem, the nearest neighbor algorithm, and minimal cost spanning trees.
4. Mathematical modeling problems which use exponential and logarithmic functions, as well as information about annuities and loans.

IV. COURSE OUTLINE:

This course is delivered completely online. On new Learning Management System (LMS) is Canvas. There you will find everything you need for this course; text book, video instruction, PUP's, and all tests. Only your tests and final exam make up your course grade.

V. ATTENDANCE*/WITHDRAWAL/GRADE FORGIVENESS/ATTEMPTS:

ATTENDANCE*: Regular class attendance and participation are significant factors that help promote success in any class. For an online course attendance implies attentiveness. You should plan on being attentive to the material and work in this course on a regular basis.

WITHDRAWALS: There are two kinds of withdrawals.

1. Student Withdrawal – Students wishing to withdraw from the course must complete a withdrawal form and submit the form to the Office of Enrollment Services before the scheduled withdrawal deadline as published in the college catalog. The last day to withdraw from any class is Oct 24. After this date you will receive a grade for this class. No withdrawals can be processed beyond Oct 24.

2. ADMINISTRATIVE WITHDRAWAL – Students who do not attend class for the first two weeks will be withdrawn. Beyond that excessive absences – more than a total of 4 – may also result in you being withdrawn from this course.

GRADE FORGIVENESS/ATTEMPTS: Refer to the College Catalog regarding these matters.

VI. HOMEWORK:

There is no homework that is collected and graded. For your own benefit though you should look at the “Exercises” in the textbook; take the Review Tests; and use the PUP’s to help help the skills necessary for you to pass this course.

VII. TESTING:

Four (4) tests will be given through this fall semester plus a comprehensive final exam. We will be omitting Chapter 5. ALL tests must be taken in a proctored environment here at the College or at a pre-approved testing site. (Tests are not taken from your home.) The deadline dates and coverage of these tests is given in this syllabus. (See Page 4.) The student is expected to take all tests prior to their respective deadlines. There are NO EXTENSIONS for taking any test for any reason.

VIII. GRADING/ASSIGNMENT WEIGHTED DISTRIBUTION:

GRADING: Each test will have either 20 or 25 questions/answers. If you miss 5 answers on a 25 question test, then the computer will give you a score of $20/25 = 80\%$. I will add 0.25 “fudge points” (as Canvas calls them) onto your test score based on how many questions you missed. For example, if you missed 5 answers, then $5 \times 0.25 = 1.25$ fudge points will be added to your test score which will then become $21.25/25 = 85\%$.

ASSIGNMENT WEIGHT DISTRIBUTION: Each test (Test 1 – Test 4) will count as 20% of your course grade. The final exam will count as 20%. [See Table 1.] At the end of the semester the traditional 10-point spread determines your letter grade for the course. [See Table 2.]

TABLE 1 – WEIGHTED DISTRIBUTION

| TEST | WEIGHT |
|-------|--------|
| 1 | 20% |
| 2 | 20% |
| 3 | 20% |
| 4 | 20% |
| Final | 20% |

TABLE 2 - Letter Grade ASSIGNMENT

| Course Average, x | Letter Grade |
|------------------------|-----------------|
| $90 \leq x$ | A |
| $80 \leq x < 90$ | B |
| $70 \leq x < 80$ | C |
| $60 \leq x < 70$ | D |
| $x < 60$ | F |

IX. MAKE UP WORK/GRADE REPLACEMENT/ACADEMIC DISHONESTY:

MAKE UP WORK: There is no make-up work for this course. All tests must be taken by their assigned deadline dates. (See Page 4.) No extensions will be granted. Plan on completing the test assignments ahead of their deadline dates and taking the tests as soon as possible – just in case something unexpected comes up. The “deadlines” for this course are absolute deadlines. You are strongly advised to not schedule taking any test on a deadline date. Stay ahead of the game.

GRADE REPLACEMENT: If the student takes all tests then their final exam score can replace their low test score if it will help improve their course grade.

ACADEMIC DISHONESTY: Any student found to be cheating in this course will receive a grade of ‘F’ for the course. “Cheating” can be any of the following but is not limited to just these examples: using notes while testing; accessing online resources from inside or outside of the course while testing; soliciting information from another student or proctor while testing; allowing someone else to test for you; or any other act which would be deemed as fraudulent.

XI. AMERICAN DISABILITIES STATEMENT:

Gulf Coast State College supports an inclusive learning environment for all students. If there are aspects of the instruction or design of this course that hinder your full participation, reasonable accommodations can be arranged. Prior to receiving accommodations, you must register with Disability Support Services. Appropriate academic accommodations will be determined based on the documented needs of the student. For information regarding the registration process. Email dss@gulfcoast.edu or call 850-769-1551, extension 6071.

XII. (Other) EARLY OUT OPTION:

The student may choose to complete the course earlier than as scheduled. Simply take all tests at an accelerated pace. All deadline dates remain in force, so you cannot schedule taking any tests once their deadline dates have past.