

Math for Liberal Arts I – Spring 2022

MATH 1332.001

Instructor: Fara Meza

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Class Time: MWF 1:25 -2:20 pm

Office Hours: Via zoom Wednesday 2:30 pm to 3:20 pm and Tuesday: 1:00 pm to 1:50 pm (prior appointment) any other time by appointment.

Text: The Heart of Mathematics: An Invitation to Effective Thinking, 4th Edition. By Edward B. Burger and Michael Starbird

Course Description

Topics may include logic and mathematics reasoning, sets, problem solving, applications, networks, graphs, geometry, and number theory.

Prerequisite: Two years of high school algebra, one year of high school geometry, satisfactory score on SAT, ACT, or THEA. Credit not given for both MATH 1332 and MATH 1314 or MATH 1324.

Student Learning Outcomes:

By the end of this course the student should be able to:

- Use facts about numbers including the Pigeonhole Principle and prime numbers to solve real world problems.
- Discuss the differences between the cardinalities of sets, including finite sets, the natural numbers, rational numbers, and real numbers.
- Describe basic facts about the Platonic solids and their duals.
- Logically communicate mathematical ideas using clear and concise mathematical language, including terminology, notation and grammar.

Grades

Your final grade will be determined by the following categories:

| | |
|-------------------------------------|------------|
| Attendance and Participation | 5% |
| Quizzes | 20% |
| Projects | 15% |
| Exams | 36% |
| Final Exam | 24% |

The grade scale is:

| | |
|----------------------|---|
| 90% or better | A |
| 80% to less than 90% | B |
| 70% to less than 80% | C |
| 60% to less than 70% | D |
| Less than 60% | F |

Please note that an "I" grade will only be given in extremely rare circumstances caused by emergency situations (medical emergencies, etc).

Attendance

Make sure you attend class every day; it is very important for your success. **Late work will not be accepted and make-up examinations will not be given *except for official University absences.***

Quizzes

A short quiz will be given each week; quizzes will be given at the beginning of class (make sure to be on time). At the end of the semester, one quiz will be dropped (The one with the lowest grades). NO LATE QUIZZES!

Homework

Will be assigned during each section.

Be prepared to discuss and critique the ideas found in the exercise, your solutions and your thought process in class.

Projects

You will be asked to complete four projects during the course, more details will be given during the semester.

Exams

There will be three exams:

Exam 1: Chapter 2 and 3

Exam 2: Chapter 4 and 5

Exam 3: Chapter 6 and 7

Final Exam

Our final exam is comprehensive. No letter grade for the course will be two or more letters grades higher than the letter grade for the final exam. For example, if you make a C on the final exam, you can make no better than B in the course.

Please note that an "I" grade will only be given in extremely rare circumstances caused by emergency situations (medical emergencies, etc).

Classroom Policy

Please be respectful of the students around you at all times. This means that you should turn your cellular phones' ringers off, and keep the classroom clear of distractions like unnecessary talking. Also, make sure you show up to class on time and stay the whole time.

Information for Classrooms and Laboratories: Students are expected to wear face masks covering their nose and mouth in public settings (including classrooms and laboratories). The UT Tyler community of Patriots views adoption of these practices consistent with its [Honor Code \(Links to an external site.\)](#) and a sign of good citizenship and respectful care of fellow classmates, faculty, and staff.

Students who are feeling ill or experiencing symptoms such as sneezing, coughing, or a higher than normal temperature should stay at home and notify their faculty. Students are also encouraged to use the [UT Tyler COVID-19 Information and Procedures website](#). This website also provides information about our Vaccination Mobile Clinic. Students needing additional accommodations may contact the Office of Student Accessibility and Resources at University Center 3150, or call (903) 566-7079 or email saroffice@uttyler.edu