

# Math for Liberal Arts I – Fall 2024

MATH 1332.002

**Instructor:** Fara Meza

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**Class Time:** T TH 11:00 am- 12:20 pm

**Office Hours:** MW 10:00- 11:00 am T 1:00- 1:50 pm any other time by appointment.

**Text:** The Heart of Mathematics: An Invitation to Effective Thinking, 4<sup>th</sup> 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:

<b>Attendance and Participation</b>	<b>4%</b>
<b>Quizzes</b>	<b>20%</b>
<b>Projects</b>	<b>12%</b>
<b>Exams</b>	<b>36%</b>
<b>Final Exam</b>	<b>28%</b>

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 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 or medical excuse.***

## **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 quizzes will be drop (The one with the lowest grades)  
NO LATE QUIZZES!

## **Homework**

Will be assigned at the end of each class.  
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 and to write a paper at the end of the semester, 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. Request for make-up exams due to work conflicts or to accommodate travel will be denied. No early finals will be given. 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.

## **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.

## **AI is not permitted in this course at all**

I expect all work students submit for this course to be their own. Doing your own work, without human or artificial intelligence assistance, is best for your efforts in mastering course learning objectives. For this course, I expressly forbid using ChatGPT or any other artificial intelligence (AI) tools for any stages of the work process, including brainstorming. Deviations from these guidelines will be considered a violation of UT Tyler's Honor Code and academic honesty values.

*University Policies* For University policies concerning Students' Rights and Responsibilities, Grade Replacement/Forgiveness, State-Mandated Course Drop Policy, Disability Services, Student Absence due to Religious Observance, Student Absence for University Sponsored Events and Activities, and the Social Security and FERPA Statement please see: <http://www.uttyler.edu/academicaffairs/files/syllabuspolicy.pdf>