

Math for Liberal Arts I – Spring 2023

MATH 1332.001

Instructor: Fara Meza

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

Office Hours: Tuesday 1:00- 1:50pm and Wednesday 2:30-3:20 pm. 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	4%
Quizzes	20%
Projects	12%
Exams	36%
Final Exam	28%

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, put your MP3 player away, 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.

Important Covid-19 information for for Classrooms and Laboratories: It is important to take the necessary precautions to ensure a healthy and successful year. UT Tyler continues to urge you to protect yourselves against the flu, COVID and any new threats that may be developing. Be diligent about preventive measures such as washing hands, covering sneezes/coughs, social distancing and vaccinations, which have proven to be successful in slowing the spread of viruses. Encourage those who don't feel well to stay home, and if they show symptoms, ask them to get tested for the flu or COVID. Self-isolation is important to reduce exposure ([CDC quarantine/isolation guidelines](#)). Please work with your faculty members to maintain coursework and please consult [existing campus resources](#) for support.

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>