

Syllabus

MATH 1319: Math in the Modern World

Instructor: Charles Mundy-Castle

Office Location: N/A

Contact Info: (575) 650-6188 (personal phone number)

Office hours: TR 2:00-3:00, only on Collaborate Ultra

E-mail address: cmmundy@utep.edu

Course Description

This course is an introduction to some of the great ideas of mathematics, including current applications of logic, algebra, geometry, statistics, and other topics. Intended for students whose majors do not require MATH 2301, MATH 1508 or MATH 1411.

Credit Hours: 3

Prerequisite Courses: An adequate score on a placement examination or MATH 0310, Introductory Algebra.

Prerequisite Skills and Knowledge:

- Ability to solve algebraic equations and manipulate algebraic expressions.
- Ability to use the Blackboard learning management system to submit assignments and participate in class discussions.
- Ability to use an office software suite, such as Microsoft Office, to compose essays in a standard academic format, such as MLA or APA.

Course Learning Outcomes

Upon completion of this course, you should be able to:

1. Identify and explain mathematical theories and strategies, and how they apply to real-world situations.
2. Apply mathematical theories and strategies to reason and solve problems.

Course Textbook

- Burger, E. B., & Starbird, M. P. (2013). *The heart of mathematics: An invitation to effective thinking* (4th ed.). Hoboken, NJ: J. Wiley & Sons.

Required Materials

- Access for WileyPlus, if not included with textbook purchase.

Course Technology

- Wiley Plus
- Blackboard learning management system

Technology Requirements

This course is presented in the Blackboard learning management system, with textbook and other course materials available through WileyPlus. You will need to schedule seven to ten hours of computer access per week for seven weeks to complete this course.

To ensure your success in accessing your course materials and completing your assignments, your instructor recommends that you ensure your computer setup for this class meets the following minimum requirements:

1. Broadband Internet connection, such as Cable or DSL.
2. A modern computer (PC or Mac), no more than four years old, with the following minimum configuration:
 - Processor: Dual-core or better, at least 2 GHZ
 - RAM: 2 GB or better
 - Operating System: Windows 10, or Mac OSX 10.3.9 or better

Your computer will need the following software:

- A word processor, such as Microsoft Word or Mac's Pages. Regardless of your choice, you must save files in .doc or .docx file format.
- Presentation-making software, such as Microsoft PowerPoint or Mac's Keynote.
- Regardless of your choice, you must save files in .ppt or .pptx format.
- Adobe Reader, which you can download here: <http://get.adobe.com/reader>

Tech Support

The University of Texas at El Paso offers complete technical information and online help desk support at <https://www.utep.edu/technologysupport/>.

Wiley Plus offers tutorial videos and other technology support at: <https://www.wileyplus.com/WileyCDA/resources-and-support.html>

Method of Evaluation

| Type | Points |
|-----------------------|--------|
| Discussions | 30 |
| Practice Problems | 17 |
| Assignment 2 Projects | 60 |
| Final Project | 33 |
| Total | 140 |

Grading Scale

| Letter Grade | Percentage Earned |
|--------------|-------------------|
| A | 126-140 |
| B | 112-125 |
| C | 98-111 |
| D | 84-97 |
| F | 0-83 |

Expectations and Policies

What to Expect from the Instructor

I will be monitoring your posts on the Discussion and your weekly Assignment 1. I will also comment on some but not all your discussions and assignment. I will contact you via email and Blackboard if necessary.

Participation

You will be asked to discuss sections from the textbook and to give feedback to your fellow classmates. Each Discussion must be posted by 11:00PM every Friday. I will be replying to your discussion post every week. You must reply to my posts as well as to your classmates which is due on Sunday each week.

Each week you will also be asked to do a weekly Assignment (project). Each project is due by 11:00 PM every Sunday. Check Blackboard for these assignments.

It is very important that you spend 7 to 10 hours each week reading, writing and posting on Blackboard for your success in this class.

Academic Dishonesty Statement

Academic dishonesty is prohibited and is considered a violation of the UTEP Handbook of Operating Procedures. It includes, but is not limited to, cheating, plagiarism, and collusion.

- *Cheating* may involve copying from or providing information to another student, possessing unauthorized materials during a test, or falsifying research data on laboratory reports.
- *Plagiarism* occurs when someone intentionally or knowingly represents another person's words or ideas as his or her own.
- *Collusion* involves the unauthorized collaboration with another person or group to commit any academically dishonest act.

Any act of academic dishonesty attempted by a UTEP student is unacceptable and will not be tolerated. Violations will be taken seriously and will be referred to the Office of Student Conduct and Conflict Resolution for possible disciplinary action. Students may be suspended or expelled from UTEP for such actions. More information can be found in the [UTEP Handbook of Operating Procedures](#), under the heading "[Alleged Student Scholastic Dishonesty](#)" and the [Regents' Rules and Regulations](#).

Late Policy

Late homework will be accepted with a 10% decrease in grade for each day it is late.

Library Information

Access the UTEP Library by visiting <http://libraryweb.utep.edu/>.

Effective Electronic Communication

It is important to share a word of caution, so we can become wiser about interpersonal distance learning communications. In an online environment, many of the feelings or impressions that are transmitted via body language in face-to-face communications are lost. Consequently, interpreting emotions and innuendos can be difficult. Only what is written, or drawn, carries the message. Often, excitement can be misinterpreted as anger or insult. It is important that we all keep this in mind as we communicate.

Words in print may seem harmless, but they could emotionally injure us when working at a distance. Hence, we must be conscious of how we communicate while working at a distance and use good *netiquette*, i.e., online communication etiquette. For example, your classmates may not know who is posting a comment, so clearly identify yourself when posting to a

discussion board. Further, avoid using all capital letters in electronic communication as all caps come across as shouting.

The standard practice ("netiquette") for participation in networked discussion requires that all comments focus on the topic at hand, not become personalized, and be substantive in nature. In other words, you may certainly disagree with others, but you must do so respectfully; you may express strong beliefs or emotions, but you may not get so carried away that you lose all perspective on the course itself.

More information on netiquette, the etiquette of Internet communication, can be found at www.albion.com/netiquette.

Disability Statement

If you have a disability and need classroom accommodations, please contact The Center for Accommodations and Support Services (CASS) at 747-5148, or by email to cass@utep.edu, or visit the office located in UTEP Union East, Room 106.

For additional information, please visit the CASS website at www.sa.utep.edu/cass.