

THE UNIVERSITY OF TEXAS AT EL PASO
COLLEGE OF SCIENCE
DEPARTMENT OF MATHEMATICAL SCIENCES

Course Number: MATM 5360-19029

Course Title: Introduction to Mathematics Education

Credit Hours: 3

Term: Fall 2022

Course Meeting & Locations: 50% In-person (BH 130A Thursdays 5:00 PM – 6:20 PM)
50% Online

Prerequisite Courses: Departmental Approval

Instructor: Kien Lim

Office Location: Bell Hall 301

Contact Info: E-mail Address: kienlim@utep.edu
Office Phone: (915) 747-6772

Office Hours: 3:30 – 4:30 PM Mondays (BH 301)
5:00 – 6:00 PM Tuesdays (Zoom <https://tinyurl.com/LimHours>)
4:00 – 5:00 PM Fridays (Zoom <https://tinyurl.com/LimHours>)

Course Description Introduction to Mathematics Education is a course on key aspects of mathematics education, including learning theories, research domains, theoretical perspectives, research-based practices, and navigating the literature.

Course Materials: Online resources & journal articles

Course Objectives: Students will

- learn about current issues in USA math education and appreciate the need for standard documents
- differentiate among various learning theories
- use theoretical frameworks to explain how math concepts develop
- relate research-based practices to their own teaching experience
- consider other aspects of math education (e.g. affect, equity, curriculum, assessment)
- navigate the literature on math education

Technology:

1. Blackboard
2. i-Clicker Reef (register using your UTEP email)
3. A video recording software (e.g. Screencastify)
4. Edpuzzle.com (class code: weatnot)

Coursework & Grading Scheme:

Participation & Engagement (20%)

- Attend class meetings (attendance will be taken)
- Watch Edpuzzle videos and answer embedded questions
- Prepare for and participate in class discussion
- Participate in classroom voting via i-Clicker on a mobile device

Discussion board (25%)

- Create a thread to each discussion forum (2-3 forums each week) by Sunday 11pm.
- Reply to at least 2 classmates' responses by Tuesday 11pm.

Quizzes & Exam (25%)

- Online quiz items assess your comprehension of assigned readings, videos, and class discussion.
- You take each online quiz twice:
The first attempt (20%) is without notes (Thurs 11pm – Sun 11pm)
The second attempt (80%) is open-book (Sun 11pm – Tues 11pm)
- You take one comprehensive exam towards the end of the semester.

Video-projects (30%)

- Video-projects are opportunities for you showcase your understanding of specific topics.
- For each video project, create a video and score your classmates' videos.

Important Dates:

Census Day (Last Day to Drop without W): Sep 7
Course Drop Deadline (Last Day to Drop with a "W"): Oct 28

If you feel that you are unable to complete the course successfully, please let me know and then contact the [Registrar's Office](#) to initiate the drop process. If you do not, you are at risk of receiving an "F" for the course.

Late-work & Make-up Policy:

- No late work will be accepted if the reason is not considered excusable.
- There will be no make-up for quizzes.
- To cater to difficult times where you miss a quiz or a forum, your lowest quiz score and your lowest forum score will be dropped.

In Case of Technical Issues:

Back up and submit your work with plenty of time to spare in the event that you have a technical issue with the course website, network, and/or your computer.

If you are experiencing difficulties submitting your work through the course website, please contact the UTEP Help Desk. You can email me your backup document as a last resort.

Incomplete Grade Policy:

All grades of Incomplete must be accompanied by an Incomplete Contract that has been signed by the instructor of record, student, departmental chair, and the dean. The College of Science allows a period of one month to complete this contract. A grade of Incomplete is only used in extraordinary circumstances confined to a limited event such as a missed exam, project, or lab. If the student has missed a significant amount of work (e.g. multiple assignments or tasks), a grade of Incomplete is not appropriate or warranted.

Academic Integrity Policy: 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 the words or ideas of another as ones' own. Collusion involves collaborating with another person to commit any academically dishonest act. Any act of academic dishonesty attempted by a UTEP student is unacceptable and will not be tolerated. All suspected violations of academic integrity at The University of Texas at El Paso must be reported to the [Office of Student Conduct and Conflict Resolution \(OSCCR\)](#) for possible disciplinary action. To learn more, please visit [HOOP: Student Conduct and Discipline](#).

Accommodation Policy: The University is committed to providing reasonable accommodations and auxiliary services to students, staff, faculty, job applicants, applicants for admissions, and other beneficiaries of University programs, services and activities with documented disabilities in order to provide them with equal opportunities to participate in programs, services, and activities in compliance with sections 503 and 504 of the Rehabilitation Act of 1973, as amended, and the Americans with Disabilities Act (ADA) of 1990 and the Americans with Disabilities Act Amendments Act (ADAAA) of 2008. Reasonable accommodations will be made unless it is determined that doing so would cause undue hardship on the University. Students requesting an accommodation based on a disability must register with the [UTEP Center for Accommodations and Support Services](#) (CASS). Contact the Center for Accommodations and Support Services at 915-747-5148, or email them at cass@utep.edu, or apply for accommodations online via the [CASS portal](#).

Copyright Statement for Course Materials: All materials used in this course are protected by copyright law. The course materials are only for the use of students currently enrolled in this course and only for the purpose of this course. They may not be further disseminated.

COVID-19 Precautions: Please stay home if you have been diagnosed with COVID-19 or are experiencing COVID-19 symptoms. If you are feeling unwell, please let me know as soon as possible, so that we can work on appropriate accommodations. If you have tested positive for COVID-19, you are encouraged to report your results to covidaction@utep.edu, so that the Dean of Students Office can provide you with support and help with communication with your professors. The Student Health Center is equipped to provide COVID 19 testing.

The Center for Disease Control and Prevention recommends that people in areas of substantial or high COVID-19 transmission wear face masks when indoors in groups of people. The best way that Miners can take care of Miners is to get the vaccine. If you still need the vaccine, it is widely available in the El Paso area, and will be available at no charge on campus during the first week of classes. For more information about the current rates, testing, and vaccinations, please visit <https://www.epstrong.org/>.

Services & Resources: [Help Desk](#)

Students experiencing technological challenges (email, Blackboard, software, etc.) can submit a ticket to the UTEP Helpdesk for assistance. Contact the Helpdesk via phone, email, chat, website, or in person if on campus.

[UTEP Library](#)

Access a wide range of resources including online, full-text access to thousands of journals and eBooks plus reference service and librarian assistance for enrolled students.

[Math Tutoring Center \(MaRCS\)](#)

Ask a tutor for help and explore other available math resources.

[University Writing Center \(UWC\)](#)

Submit papers here for assistance with writing style and formatting, ask a tutor for help and explore other writing resources.

[RefWorks](#)

A bibliographic citation tool; check out the RefWorks tutorial and Fact Sheet and Quick-Start Guide.

[Military Student Success Center](#)

Assists personnel in any branch of service to reach their educational goals.

[Center for Accommodations and Support Services](#)

Assists students with ADA-related accommodations for coursework, housing, and internships.

[Counseling and Psychological Services](#)

Provides a variety of counseling services including individual, couples, and group sessions as well as career and disability assessments.