

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

- Course Number:** MATM 5360-19215
- Course Title:** Introduction to Mathematics Education
- Credit Hrs:** 3
- Term:** Fall 2020
- Online Course Meetings:** 50% Synchronous (Tuesdays 6:00 PM – 7:30 PM)
50% Asynchronous
- Prerequisite Courses:** Departmental Approval
- Course Fee:** None
- Instructor:** Kien Lim
- Office Location:** Bell Hall 301 (not in my office because of Covid-19 pandemic)
- Contact Info:** E-mail Address: kienlim@utep.edu
Office Phone: (915) 747-6772
Fax Number: (915) 747-6502
Emergency Contact: (915) 747-5761
- Office Hours:** Tuesdays: 7:30PM – 8:00PM
Thursdays: 6:30PM – 7:30PM & By appointments
- 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:** Journal articles:
- References:
- i. National Council of Teachers of Mathematics. (2014). *Principles to actions: Ensuring mathematical success for all*. Reston, VA: National Council of Teachers of Mathematics
 - ii. *Handbook of Research on Mathematics Teaching and Learning* by Grouws D. A. (Ed.).
 - iii. *Second Handbook of Research on Mathematics Teaching and Learning* by Lester F. K. (Ed.).
- Technology:**
1. Zoom via Blackboard
 2. Webcam & microphone
 3. iClicker Reef (register using your UTEP email)
 4. Google slides
 5. Screencastify

- 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

Grading Scheme:	Participation & Engagement	10%
	Quizzes	20%
	Mini-projects	30%
	Discussion Board	40%

- Coursework and Grading:** Participation & Engagement (10%)
- Attend synchronous sessions via Zoom
 - Participate in class discussion with webcam and microphone
 - Participate in classroom voting via i-Clicker on a mobile device
- Quizzes (20%)
- Quiz items assess your comprehension of assigned readings and videos.
 - You take each quiz twice: First attempt (10%) is without notes and is available on Friday. Second attempt (90%) is open-book and is available on Saturday.
- Mini-projects (30%)
- Mini-projects are opportunities for you to engage in higher-order thinking (e.g., creating a lesson, design a study, compare and contrast frameworks or theories).
- Discussion board (40%)
- Create a thread to each discussion forum (2-3 per week) by Saturday 11pm.
 - Reply to at least 2 classmates' responses in by Monday 11pm.
- 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.
 - The lowest discussion-board 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 back-up document as a last resort.

Important Dates: Census Day (Last Day to Drop without W): Sep 9
Course Drop Deadline (Last Day to Drop with a “W”): Oct 30
No drop is allowed after Oct 30

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](#).

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.

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](#).

COVID-19 Precautions: You must STAY AT HOME and REPORT if you (1) have been diagnosed with COVID-19, (2) are experiencing COVID-19 symptoms, or (3) have had recent contact with a person who has received a positive coronavirus test. Reports should be made at screening.utep.edu. If you know of anyone who should report any of these three criteria, you should encourage them to report. If the individual cannot report, you can report on their behalf by sending an email to COVIDaction@utep.edu.

For each day that you attend campus—for any reason—you must complete the questions on the UTEP screening website (screening.utep.edu) prior to arriving on campus. The website will verify if you are permitted to come to campus. Under no circumstances should anyone come to class when feeling ill or exhibiting any of the known COVID-19 symptoms. If you are feeling unwell, please let me know as soon as possible, and alternative instruction will be provided. Students are advised to minimize the number of encounters with others to avoid infection.

Wear face coverings when in common areas of campus or when others are present. You must wear a face covering over your nose and mouth at all times in this class. Students who refuse to wear a face covering and follow preventive COVID-19 guidelines will be dismissed from the class and will be subject to disciplinary action according to Section 1.2.3 *Health and Safety* and Section 1.2.2.5 *Disruptions* in the UTEP Handbook of Operating Procedures.

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.