

EMS-Middle School Education Courses

Courses

EMS 326. Class Room Interactions. 3 Hours.

Classroom Interactions builds on the Knowing and Learning course, moving from a focus on thinking and learning to a focus on teaching and learning. The course is centered around a close examination of the interplay between teachers, students, and content, and how these types of interactions enable students to develop deep conceptual understanding. The goals for this course are to: Provide students with opportunities to see how theories explored in Knowing and Learning play out in instructional settings by designing and implementing instructional activities informed by their own understanding of what it means to know and learn mathematics and science, and then evaluating the outcomes of those activities on the basis of student artifacts (i.e., what students say, do, or create). It provides students with frameworks for thinking about equity issues in the classroom and larger school settings, make students aware of equity issues in classroom settings and their effects on learning, and provide students with strategies for teaching diverse students equitably. [EMS 326](#) is a cross-listed section of [EHS 326](#) and is specifically designed for student pursuing middle school teaching certification in science or mathematics.

Prerequisites: [EHS 125](#) [Min Grade: C] and [EHS 126](#) [Min Grade: C] and [EHS 325](#) [Min Grade: C]

EMS 327. Project-Based Instruction. 3 Hours.

Project-Based Instruction (PBI) is the capstone course in the sequence of professional development courses (Knowing and Learning, Classroom Interactions, and PBI) UTeach students take prior to Apprentice Teaching. PBI is the course in which a number of the major principles and themes of the UTeach program—integration of mathematics and science content; infusion of technology in representation, analysis, modeling, assessment and contextualization of content; immersion in intensive field-based experiences; and a focus on designing equitable learning environments—are synthesized as the students develop an intellectually challenging project-based instructional unit. When students complete PBI, they are fully prepared for Apprentice Teaching.

Prerequisites: [EHS 125](#) [Min Grade: C] and [EHS 126](#) [Min Grade: C] and [EHS 325](#) [Min Grade: C] and [EHS 326](#) [Min Grade: C]

EMS 351. Teaching Language Arts in Middle/Junior High School. 3 Hours.

Methods of teaching middle grades language arts. Extensive field experiences required. Supervision fee.

EMS 352. Teaching Mathematics in Middle/Junior High School. 3 Hours.

Methods of teaching middle grades mathematics. Extensive field experiences required. Admission to TEP required.

EMS 355. Laboratory/Practicum in Middle School Education. 1 Hour.

This course serves as a laboratory practicum for undergraduate students who are pursuing teacher certification in middle school education.

EMS 425. Apprentice Teaching. 6 Hours.

The purpose of Apprentice Teaching is to offer UABTeach students a culminating experience that provides them with the tools needed for their first teaching jobs. In Apprentice Teaching, students are immersed in the expectations, processes, and rewards of teaching. When making placements, UABTeach master teachers consider each apprentice teacher's characteristics and abilities as well as the cooperating teacher's teaching and mentoring styles. [EMS 425](#) is a cross-listed section of [EHS 425](#) and is specifically designed for student pursuing middle school teaching certification in science or mathematics.

EMS 426. Apprentice Teaching Seminar. 1 Hour.

Apprentice teachers sign up for two courses: the one-hour Seminar and the six-hour Apprentice Teaching course. The Apprentice Teaching seminar provides a supportive environment where apprentice teachers share their experiences and work on solutions to difficulties they are experiencing, including classroom management.

EMS 451. Workshop in the Middle School. 1-3 Hour.

This course is a workshop for undergraduate students who wish to teach at the middle school level.