

EDUT 1170:001

UTeach Step 1: Inquiry Approaches to Teaching

Spring 2020

Time: 5:00 – 5:55pm

Day: Monday, BEP 215

Final Exam Date: To be announced on the first day of class

Instructor Information:

Michael Odell, Ph.D..

Office: HPR 263A

Office Hours: Office Hours: Monday 3:00-4:00pm / Tuesday 3:00 - 5:00 pm (and by appointment)

Telephone: office (903) 566-7132

Email address: modell@uttyler.edu (best way to contact me)

Course Catalog Description:

An introduction to the theory and practice that is necessary to deliver inquiry-based science and mathematics instruction.

Course Description:

This course meets once a week on campus for 55 minutes. During class time, students learn how to navigate the school environment, and work on inquiry-based lesson analysis, design, and assessment. Students are grouped into teams of two, and assigned to a Mentor Teacher in a local school, in order to successfully observe a professional teacher teaching science or mathematics lessons. Outside of class time, UTeach students are required to successfully teach inquiry-based lessons, and function as a student observer during additional clinical hours. These clinical observations and teaching requirements represent a **required** field component and requires at least one, two-hour block of free time during the school day at least once a week. Students will teach BOTH lessons with a partner. STEP 1 Students will be placed in a K-4 Classroom.

Student Learning Outcomes:

1. Design effective inquiry based 5E lessons with a focus on questioning and assessment strategies.
2. Promote student learning by providing responsive instruction that makes use of effective communication techniques, instructional strategies that effectively engage students in the learning process and timely, high-quality feedback.
3. Analyze lesson artifacts, including video evidence and pre/post assessments, for effectiveness of lesson.
4. Differentiate instruction, as evidenced in lesson plans, to meet the needs of diverse learners.
5. Demonstrate a commitment to integrating technology that enhances lesson engagement to create an authentic learning environment that promotes problem-solving and decision making for all learners.

Summative Assessment:

Analyze and reflect on clinical experience and feedback from other observers (Mentor Teacher, Master Teacher and/or Supervisor) to rewrite final lesson.

Course Objectives and Expectations:

| <i>Course Topics and/ or SLO</i> | <i>Activities and Assessment</i> | <i>Standards Alignment</i> | | | |
|--|--|--|---|---|--|
| <i>Students will be able to...</i> | <i>Evidence of Student Learning:</i> | <i>Texas Educator Standard(s)</i> | <i>ISTE Standard(s)</i> | <i>InTASC Standard(s)</i> | <i>TEXES Pedagogy and Professional Responsibility Standards EC-12</i> |
| Demonstrate science or mathematics content knowledge in the planning and teaching of two 5E lessons. | <ul style="list-style-type: none">• Written paragraph in each lesson plan that provides background information on the concepts, including TEKS• Provide accurate content throughout each lesson plan• Written feedback by the supervisor, mentor teacher and/or master teacher following observations of clinical teaching indicating no errors in content | <ul style="list-style-type: none">• 1Bi• 1Bii• 3Ai,• 3Bi,ii, iii• 3Ci,ii | <ul style="list-style-type: none">• 1a• 3a• 4ab• 5abc• 6c• 7ab | <ul style="list-style-type: none">• Standard 4• Standard 5 | <ul style="list-style-type: none">• Domain I: Competency 003 |

EDUT 1170:001

UTeach Step 1: Inquiry Approaches to Teaching

Spring 2020

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|---|--|---|---|--|--|
| Utilize exemplary sources to create inquiry-based science and mathematics lessons. | <ul style="list-style-type: none"> Participation in class demonstrations of model lessons selected from exemplary resources Create challenging inquiry-based lessons Sources cited in each lesson plan | <ul style="list-style-type: none"> 1Di, 3Ai, iii 5Di, ii | <ul style="list-style-type: none"> 2c 4ab 5abc 6c 7ab | <ul style="list-style-type: none"> Standard 4 Standard 7 Standard 8 | <ul style="list-style-type: none"> Domain III: Competency 007 |
| Write performance objectives and assessment that aligned with state standards for each lesson. | <ul style="list-style-type: none"> Performance objectives and corresponding assessments included in each lesson plan Standards cited in each lesson plan | <ul style="list-style-type: none"> 1Ai, ii, iii 1Fi, ii, iii 5Ai, ii 5Bi, ii | <ul style="list-style-type: none"> 4a 5b | <ul style="list-style-type: none"> Standard 5 | <ul style="list-style-type: none"> Domain I: Competency 003 |
| Design and teach challenging inquiry-based lessons using technology and the 5E instructional model. | <ul style="list-style-type: none"> Developed inquiry-based lesson plans Written feedback by the master and/or mentor teacher following the observations of lessons Create challenging cooperative learning activities for lessons Abide by teacher code of ethics and University policy during clinicals | <ul style="list-style-type: none"> 1Ai, ii, iii 1Bi, ii, iii 1Ci, ii, iii 1Di, iii 1Ei, Eii 2Ci, ii, iii 4Di, ii, iii 6Di, ii | <ul style="list-style-type: none"> 1a 2c 3a 4a 5abc 6bc | <ul style="list-style-type: none"> Standard 5 Standard 8 | <ul style="list-style-type: none"> Domain I: Competency 003 |
| Demonstrate awareness of personality and learning differences and discuss the implications for teaching and learning. | <ul style="list-style-type: none"> Participation in class discussions both in person and online, on the implications of personality and learning differences for teaching and learning Create cooperative learning activities for lessons | <ul style="list-style-type: none"> 1Ci 1Ei, Eii 2Ai, ii 2Bi, ii, iii 2Ci, ii, iii 4Ai, ii 4Ci, ii, iii 4Di, ii, iii | <ul style="list-style-type: none"> 4d | <ul style="list-style-type: none"> Standard 1 Standard 2 | <ul style="list-style-type: none"> Domain I: Competency 002 |
| Use probing questions to elicit feedback to determine students' acquisition of knowledge | <ul style="list-style-type: none"> Participation in class discussions both in person and online, on questioning strategies Create probing questions for lessons Written feedback from mentor and/or master teacher following observations of lessons | <ul style="list-style-type: none"> 1Dii 1Fi, ii, iii 4Ci, ii, iii 5Ai 5Ci 5Di | <ul style="list-style-type: none"> 4d | <ul style="list-style-type: none"> Standard 6 Standard 7 Standard 8 | <ul style="list-style-type: none"> Domain III: Competency 007 |
| Discuss strategies for achieving instructional equity. | <ul style="list-style-type: none"> Discussion of strategies for achieving instructional equity Participation in class activities modeling strategies for achieving instructional equity | <ul style="list-style-type: none"> 1Ci 2Ai, ii 2Ci | <ul style="list-style-type: none"> 2d 4d 5abc 7ab | <ul style="list-style-type: none"> Standard 2 Standard 3 | <ul style="list-style-type: none"> Domain II: Competency 005 |
| Demonstrate proficiency in the use of technology for professional productivity. | <ul style="list-style-type: none"> Consistent use of various productivity applications and technologies such as email, web-based courseware, internet, word-processing and presentation applications, etc. | <ul style="list-style-type: none"> 1Biii 1Eiii | <ul style="list-style-type: none"> 1ac 4abc 5abc 7ab | <ul style="list-style-type: none"> Standard 7 | <ul style="list-style-type: none"> Domain III: Competency 009 |
| Plan and implement safe classroom practices. | <ul style="list-style-type: none"> Safety addressed in lesson plans Written feedback from mentor teacher and supervisor | <ul style="list-style-type: none"> 4Aiii 4Bi, Biii 4Di, ii, iii | <ul style="list-style-type: none"> 3cd | <ul style="list-style-type: none"> Standard 3 | <ul style="list-style-type: none"> Domain II: Competency 005 |
| Reflect on personal interest in teaching. | <ul style="list-style-type: none"> Written reflections on teaching experiences | <ul style="list-style-type: none"> 6Ai, ii, iii | <ul style="list-style-type: none"> 1abc 2a | <ul style="list-style-type: none"> Standard 10 | <ul style="list-style-type: none"> Domain IV: Competency 012 |
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EDUT 1170:001

UTeach Step 1: Inquiry Approaches to Teaching

Spring 2020

| Activities | % Grade |
|---|------------|
| Attendance | 15 |
| Class Assignments (See Canvas) | |
| <ul style="list-style-type: none"> Lesson Plan 1 (Final Revision) | 5 |
| <ul style="list-style-type: none"> Lesson Plan 2 (Final Revision) | 5 |
| <ul style="list-style-type: none"> Research Article/Video Reflections | 5 |
| <ul style="list-style-type: none"> Discussion Boards | 5 |
| Clinical Field Work | |
| Observation Hours and Reflections- (4 Hours) <i>Failure to complete observations will result in a failing grade for the course regardless of average.</i> <ul style="list-style-type: none"> Observation Reflection 1 Observation Reflection 2 Observation Reflection 3 Observation Reflection 4 | 20 |
| Teaching (2 Hours), as evidenced by the Mentor Teacher Feedback Form <i>Important: Teaching these TWO lessons is a required component of Step 1.</i> <i>Failure to teach these required lessons will result in a failing grade for the course regardless of average.</i> <ul style="list-style-type: none"> Mentor Feedback Form 1 Mentor Feedback Form 2 | 10 |
| Self-Reflections (2) of actual teaching <ul style="list-style-type: none"> Teach 1 Reflection Teach 2 Reflection | 10 |
| Mentor Teacher Interview | 5 |
| Semester Field Log documenting FOUR Observations and TWO Teaches (<i>min 6 hours</i>) complete, signed daily and submitted to instructor at end of semester via canvas | 5 |
| Final Project/Test - The final project and test will include an analysis and reflection on the semester's teachings and feedback from other observers. <i>More specific requirements will be outlined in class.</i> | 15 |
| TOTAL | 100 |

| Evaluation and Grading: | | |
|---|--------|---------|
| Grade | | Percent |
| A | 90-100 | 90-100% |
| B | 80-89 | 80-89% |
| C | 70-79 | 70-79% |
| D | 60-69 | 60-69% |
| F | 0-59 | < 59% |
| Last Day to Withdraw: March 30, 2020 | | |

UTeach Step 1: Inquiry Approaches to Teaching

Spring 2020

Related Clinical Experiences:

In Step 1, pairs of students will be assigned to a local classroom for a minimum of **SIX HOURS** during the semester. Over the course of the semester, pairs will visit this classroom to conduct observations and teach two inquiry-based lessons.

Each lesson is to be videotaped. Policies and procedures will be explained in class. Failure to follow these policies and procedures can jeopardize your class status. Your instructor will view lesson and provide you feedback.

Your Mentor Teacher will also provide you feedback (hard-copy) at the end of each lesson you teach. You are responsible for ensuring that a copy of this feedback is turned in to your Instructor. Your Mentor Teacher will also write a final evaluation of your field experience, which will be filed in the UTeach office. You may request a copy of the final evaluation upon completion of the semester.

If you have a serious emergency causing you to miss your scheduled teaching day, notify your partner, your Mentor Teacher, **and** your Instructor as soon as possible. Your partner will teach the lesson alone and you will be required to make up the missed teaching day. **Field hours (min 6) and teaching two lessons is a requirement of Step 1. One half of Clinical Hours (3) must be complete PRIOR to last lesson. Regardless of your final average, failure to teach the required lessons and/or incomplete field hours will result in a failing grade for the course.**

Supplies are available for you to borrow for use in your lessons from the UTeach Workroom. If you require help with reserving supplies, it is your responsibility to let your instructor and/or UTeach workers know at least five days in advance. **Failure to return borrowed UTeach items, including video camera, will result in a failing grade in course.**

As representatives of UTeach Tyler, we expect you to be professional when participating in your field experiences.

- You are expected to observe ALL school rules, policies, and procedures.
- **Sign in/out at the front office** of the school each day that you visit. Some schools will provide you with a badge that identifies you as a visitor. If you are given this kind of identification, you **MUST** wear it.
- **Dress professionally**. The school has a dress code for teachers, student teachers, and others in clinical placements. As guest teachers, you are expected to follow all parts of the teacher dress code. Of particular note is the restriction against wearing jeans, flip flops, jewelry in visible pierced areas other than the ear, t-shirts, shorts, leggings or exercise clothing. For a complete description of this policy, please see the Canvas community for education.
- Arrive at least 30 minutes before your scheduled teaching time; arrive 1 hour before a technology or lab-based lesson to set up and troubleshoot equipment.
- Practice every aspect of your lesson before you teach it.
 - Decide exactly how you and your partner will share the teaching responsibilities of the co-teach lesson.
 - Make a plan for how you will transition from each part of the lesson to the next.
- Learn and use the names of your students! Make nametags or nameplates and bring them with you to each lesson. This is an easy and effective classroom management technique.
- You must have at least 50% of your clinical hours done by week 7. Failure to comply will cause a failing grade in STEP 1.

Course Policies:

1. Attendance and Participation

A large portion of your grade is based on attendance and active participation in all class sessions and assignments. Credit for attendance requires arriving to each class session on time, participating in all class activities, and staying until the session ends. You will lose five points for the first three unexcused absences.

Attendance is a crucial component of this class because during class time you will: 1) plan and practice your lessons with your partner; 2) get feedback from the Instructors and other members of the class; and 3) observe and learn from demonstration lessons. Because the course meets only once per week and there are no texts, missing class means you will miss essential information and experiences. Furthermore, Step 1 students will be working with a partner, and this collaboration is vital to your success. The workload for each lesson should be shared equally. If you are not in class, you inconvenience your partner by forcing him or her to work with you outside of class. If you miss a class, it is your responsibility to communicate with your partner about how to coordinate the next lesson. Don't leave your partner guessing about why you are not in class, or how and when you will get together.

EDUT 1170:001

UTeach Step 1: Inquiry Approaches to Teaching

Spring 2020

2. Late Work

There will be a deduction of 10% per day (capped at 50%) for any assignment turned in late unless arrangements have been made with the Instructor.

UNIVERSITY POLICIES

UT Tyler Honor Code

Every member of the UT Tyler community joins together to embrace: Honor and integrity that will not allow me to lie, cheat, or steal, nor to accept the actions of those who do.

For a full list of university policies including information related to the topics listed below, click [here](#).

- Students Rights and Responsibilities
- Campus Carry
- Tobacco-Free University
- Grade Replacement/Forgiveness and Census Date Policies
- State-Mandated Course Drop Policy
- Disability Services
- Student Absence due to Religious Observance
- Student Absence for University-Sponsored Events and Activities
- Social Security and FERPA Statement
- Emergency Exits and Evacuation
- Student Standards of Academic Conduct

UT Tyler Resources for Students:

- UT Tyler Writing Center (903.565.5995), writingcenter@uttyler.edu, <http://www.uttyler.edu/writingcenter/>
- UT Tyler Tutoring Center (903.565.5964), tutoring@uttyler.edu, <https://www.uttyler.edu/tutoring/>
- The Mathematics Learning Center, RBN 4021, This is the open access computer lab for math students, with tutors on duty to assist students who are enrolled in early-career courses.
- UT Tyler Counseling Center (903.566.7254) <https://www.uttyler.edu/counseling/>

[University Guidelines, Links and Policies](#)

COLLEGE OF EDUCATION AND PSYCHOLOGY (CEP) VISION AND MISSION

Vision: The College of Education and Psychology is nationally recognized and respected for its academic programs and opportunities. It is a center of academic excellence, scholarly inquiry, and public service. The College prepares leaders to meet the critical challenges of the 21st Century through productive contributions to local and global communities and toward individual and cultural equity.

Mission: The mission of the College of Education and Psychology is to provide a positive environment that fosters the acquisition of knowledge and skills. The mission is individually and collectively realized through a community of scholars that contributes to knowledge through scholarly inquiry; organizes knowledge for application, understanding and

EDUT 1170:001

UTeach Step 1: Inquiry Approaches to Teaching

Spring 2020

communication; and provides leadership and service. We affirm and promote global perspectives that value individual and cultural diversity to enhance learning, service, and scholarship.

UT TYLER'S SCHOOL OF EDUCATION STANDARDS FOR EDUCATOR PREPARATION PROGRAMS

Texas Education Standards: The School of Education are committed to teaching and implementing the Texas Educator Standards at the highest level. The School of Education faculty use the Texas Education Standards, along with the Interstate New Teacher Assessment and Support Consortium (InTASC) standards used by educator preparation programs throughout the United States.

The list of [Texas Education Standards](#) can be accessed [here](#).

Access the [Code of Ethics and Standard Practices for Texas Educators](#).