The University of Texas at
TYLER

College of Education and Psychology
School of Education

EDUC 5359 – Educational Technology

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Course Description

This introductory graduate educational technology course is for individuals who want a broad practical course in learning how to integrate emerging technologies into elementary and secondary classrooms. Students will take a constructivist approach to understanding educational technology as articulated in the international Educational Technology Standards for Teachers.

This course is designed as an **online course**. Please allow up to 48 hours for response to an email. Office hours are by appointment and will be held virtually.

Student Learning Outcomes

The purpose of this course is to help educators expose students to basic computer programming and new technologies in hopes of inspiring students to pursue careers in science, technology, mathematics, and engineering (STEM) fields within a global economy. More specifically and in keeping with the National Education Technology Standards (NETS), part of the International Society for Technology in Education (ISTE) standards, and the Next Generation Science Standards (NGSS), by the end of the course you will better be able to:

• Leverage technology to take an active role in choosing, achieving and demonstrating competency in your learning goals, informed by the learning sciences. (INTASC Standards: 2, 4, 7, 8, 11)
• Critically curate a variety of resources using digital tools to construct knowledge, produce creative artifacts and make meaningful learning experiences for yourself and others (INTASC Standards: 1, 2, 3, 4, 6, 11)
• Use a variety of technologies within a design process to identify and solve problems by creating new, useful or imaginative solutions. (INTASC Standards: 1, 2, 6, 11)

• Recognize the rights, responsibilities and opportunities of living, learning and working in an interconnected digital world, and you act and model in ways that are safe, legal and ethical. (INTASC Standards: 2, 3, 6, 9, 10, 11)

• Develop and employ strategies for understanding and solving problems in ways that leverage the power of technological methods to develop and test solutions. (INTASC Standards: 6, 9, 11)

• Communicate clearly and express yourself creatively for a variety of purposes using the platforms, tools, styles, formats and digital media appropriate to your goals. (INTASC Standards: 4, 6, 11)

• Use digital tools to broaden your perspectives and enrich their learning by collaborating with others and working effectively in teams locally and globally. (INTASC Standards: 1, 2, 3, 4, 5, 6, 9, 10, 11)

 Required Text and Related Readings

- There are no required textbooks. There are selected instructor readings provided per module.

Required Materials and Supplies:

- **Green Screen** (This could be any green wall or cloth. Flat or non-shiny is best. However, the green plastic table clothes at a local dollar store would also suffice for this activity). There are also several screens available for student use in the College of Education and Psychology; please make arrangements with the instructor if needed. Paint: Chroma Key Green, or Behr "Green Apple", or "Gamma Sector Green" Cloth: Green Muslin from fabric store (see color below).

Technology Requirements:

Hardware:

Desktop or Laptop computer with Internet access. This may be a Windows or MAC based computer; however, many of the applications will require downloads and tutorials specific to the device. You also need a camera, microphone, and sound.

Note: If your Internet connection is down, <u>it is your responsibility to</u> seek access at a venue such as in the UTT computer lab or a public library to complete and <u>submit your work on time.</u>

Software:

- A current operating system (Microsoft or Apple) • A web browser (e.g., Chrome, Safari, Firefox, etc.). If your browser is not working with a software, try an alternative one (e.g. IE, Firefox).
- Access to Canvas and Patriot Mail
- Microsoft Office (Available at no charge to students at https://www.uttyler.edu/it/office365/proplus.php
- Also, standard plug-ins such as:
- Java
- QuickTime
- Adobe Reader or another PDF reader such as Preview on the Mac
- *Other software as noted in each module*

Course Policies and Guidelines:

Instructional methods for this online course include:
- Lectures, videos, course activities, and projects
- Canvas postings and discussions
- Research and pedagogy regarding best practices in classrooms

Assignment Submission:

For assignments a "page" is defined as:
- 8½" x 11" paper
- Times New Roman or Arial 12-point font
- Double-spaced (unless otherwise directed)
- 1-inch margin on all sides.
- Put page numbers on the top right-hand side.
- Put your name, title of the assignment and date on your paper.
- **Upload written assignments on the Canvas Web site under the assignment tab**

Papers that do not meet these specifications will not be accepted. With respect to format and style, your paper should conform to the 7th edition APA Manual.

Late Work: Assignments and projects are expected to be handed in on time. Assignments are expected to be dropped in the assignment box on Canvas. You may turn in your assignment early. ***Late assignments are not accepted unless prior arrangements have been made with the instructor.*** Assignments for each lesson are due at the closing date of each lesson. Assignment dates are posted in Canvas.

Attendance: The attendance policy recommended by the University is followed in this course. Course objectives and performance outcomes cannot be met unless you participate in class activities. If you are absent for an extended period, you should plan to explore options such as retaking the course or taking an incomplete grade.

Read chapters assigned from the instructor in each module.
You are responsible for this information on tests as well as during class participation.
Criteria for all assignments will be posted online unless otherwise notified by the instructor.

Canvas– You are responsible for enrolling on **Canvas** (http://www.Canvas.uttyler.edu/) prior to the second day and monitoring the course Canvas site regularly for course information. Assignments will be turned in through the assignment tab in Canvas.

Unicheck is a tool that will be used to check a document for plagiarism. The tool provides feedback as to whether the text in a document is a close match with other documents on the Internet, in journal databases, and submitted to Canvas. If a student is caught plagiarizing, a grade of zero will be given as well as a disposition for cheating.

Course Content and Evaluation:

1. **Class Participation (30%)**: In each module, you will have the opportunity to earn points for participating in discussions and answering short assessments. These discussions will be held inside of Canvas. Please do not approach this component as simply a bunch of tasks to be completed each week, but an opportunity to truly collaborate and learn from each other.

2. **Class Projects (60%):** In addition to the participation activities, you will create several projects. These will range in difficulty from simple to more complex and be valued from 10-100 points.

3. **Final Exam (10%)**: A final project will be submitted in lieu of an exam.

4. **Grading** is not based upon a curve.
>   A = 90-100% of total points
>   B = 80-89% of total points
>   C = 70-79% of total points
>   D = 60-69% of total points
>   F = 59% or below of total points

Weekly Course Modules:

June 1-4
Module 1: Introduction to Educational Technology
Module 2: How do People Learn: Theory into Practice

June 7-11
Module 3: Words and Graphics
Module 4: Basic Instructional Tools

June 14-18
Module 5: Digital Citizenship

Module 6: Using Tools to Collaborate

June 21-25
Module 7: Digital Storytelling
Module 8: Technology for Diverse Needs

June 28- July 2
Module 9: Simulations and Series Games
Module 10: Immersive/Mixed Realities

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 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.