Course Description
Future educators will be empowered with knowledge and skills on how to leverage technology to positively impact all aspects of the learning experience. This course teaches how technology integration and tools can enhance and deepen learning, assist data-informed decisions, cultivate creativity and innovation, differentiate and scaffold instruction, and improve collaboration and communication across all stakeholders.

Course Goal
Leverage technology in all aspects of educational practices to transform student learning.

Learner's Prerequisite Knowledge & Skills
The dominant enrollment for this course is pre-service teachers' first educational technology course. Students may not have had an extensive amount of curriculum, learning theory, pedagogy, lesson planning, or other essential knowledge or skills at this stage in their education.

Assessment
A pre-service educator will be assessed through a Lesson Plan Evaluation Project to use their knowledge and skills in the five (5) areas of technology integration.

Learning Goals
Students will be able to
1. **Identify**, **Explain, and Demonstrate** how technology and technology tools can enhance and deepen students learning.
2. **Identify**, **Explain, and Demonstrate** how technology and technology tools are used by students to achieve desired learning outcomes.
3. **Identify**, **Explain, and Demonstrate** how technology and technology tools can encourage student creativity and innovation.
4. **Identify**, **Explain, and Demonstrate** how technology and technology tools can improve collaboration and communication across all stakeholders.
5. **Evaluate** technology and technology tools for their ability to be used equitably and improve access for all.
6. **Research**, **Analyze**, and **Select** technology and technology tools that are appropriate for the different uses in a learning environment.

IDEA Objectives

1. Gain a basic understanding of how technology can be integrated most effectively into teaching and learning (e.g., factual knowledge, methods, principles, generalizations, theories)

3. Learn to apply the course content of technology resources. In other words, leveraging technology in education to empower student learning, encourage innovation and creativity, and improve collaboration and communication needed for the 21st century classroom environments.

4. Develop specific technology skills, competencies, and views needed by professionals in the field of education.

Utah Effective Teaching Standards

Standard 3: Instructional Practice: Effective teachers engage in high quality instructional practices that are data-informed, exhibit a collaborative approach to teaching and learning and meet the learning needs of each student.
Element 4: Innovation and Technology: Intentionally selecting the use of technological and non-technological tools to enhance and deepen student learning, encourage creativity and innovation in learning and facilitate students' appropriate use of available tools and resources to achieve desired student outcomes.

USBE Educator Preparation Program General Teacher Preparation & Elementary Content Competencies

Instructional Practice
Provide intentional tools and technology to design and implement activities that promote **active** student technology use.
Professional Responsibility
Exhibit professional and ethical conduct in accordance with school, district, and state policy.
Secure student data and respects confidentiality related to student data.
Elementary Content Competencies
Is comfortable and effective using technology for instruction, communication, and data management.
Embeds the use of age-appropriate technological tools to effectively move learning forward.
Teaches, models, and encourages students to be good digital citizens.

Course Requirements

No required textbooks.

All readings and course content will be provided within Canvas.

Each student will need access to a computer and have reliable internet connection. Please reach out to me if you are having any concerns over this requirement so we can see what we can get accommodated. I want every student to be successful in this course and their higher education journey no matter what circumstances arise.

We use several online resources in this course. You might need to download software or create online accounts (free) for several tools or sites including (but not limited to): Lucidpress, Audacity or Ocenaudio, Common Sense Education, Adobe Spark, Loom or Screencast-o-Matic, G-Suite (Aggiemail), Pinterest or Google Keep, and Canva.
You will need access to the following for this course:
- Good internet access
- Webcam & Camera
- Audio recording ability (examples: phone, built-in mic, external mic, etc.)

Fees
A fee of $15 per credit is applied to all online courses (see USU online course fee details below).

Grade Scheme
The following grading standards will be used in this class:

Grade	Range
A	100 % to 93.0%
A-	< 93.0 % to 90.0%
B+	< 90.0 % to 87.0%
B	< 87.0 % to 83.0%
B-	< 83.0 % to 80.0%
C+	< 80.0 % to 77.0%
C	< 77.0 % to 73.0%
C-	< 73.0 % to 70.0%

Grade	Range
D+	< 70.0 % to 67.0%
D	< 67.0 % to 60.0%
F	< 59.0 % to 0.0%

Using AI in ITLS 2500

Many of you may be aware of the increasing notoriety of artificial intelligence tools, like ChatGPT, used in higher education and other areas. Although AI has many positive and creative uses in higher education, it can also be used in more dishonest and nefarious ways. Similar to visiting Wikipedia, using AI like ChatGPT can give you an overview of a concept covered in class, but it's only a starting point when it comes to learning and writing about a topic. Also, AI can be factually incorrect and biased.

I have given these tools much thought lately and would like to lay out my expectations for you in this class:

- I will **not** accept **any** assignments (essays, discussion posts, reflective essays) or midterm essay answers, being generated by AI tools (like ChatGPT). Canvas also provides instructors with an AI detectors.
- You **may use** such tools as a way to collaborate, brainstorm, and/or research to provide you with information and help with ideas—I expect that if you use it to help you brainstorm, you should NEVER copy the exact output that AI gives you. You MUST edit AI's work into your own words, thoughts, ideas, syntax, and synthesis of the information.
- IF YOU USE AI as a "collaborative partner", you are expected to include a **disclosure statement** at the end of your assignment or in the comment box describing:
  - #1 **WHAT** AI tool you used
  - #2 **HOW** you used it
    - For example, using AI to generate ideas, help reform the words used in the writing, asking it to synthesize the main points of a writing piece, how to add scholarly tone to your words, etc.
- Failing to cite, reference, and/or disclose your source of information can be considered an academic integrity violation - and this will include AI-generated content.

Ultimately, you are responsible for the content you submit in this course.

This is an exciting time as technology continues to evolve and impact your education—please be wise!

Late Work Policy

You may submit late assignments and understand that you **may be docked 10% for each day that it is late (which means after 10 days, it may not earn any credit).** The Final Project is not allowed to be submitted late. Please plan ahead to ensure that your work is turned in on time. If you are struggling or if you have circumstances that might need some grace for submitting late work, please reach out. Anything can be worked out if communicated in a timely manner.

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Communicating after the submission deadlines are not likely to be accommodated.

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Attendance and Excused Absences Policy
This is an asynchronous, online course- which means attendance is not tracked. This gives you a lot of flexibility on when to cover the learning material but the responsibility to work through the learning material is yours. Assignments do have due dates and those are expected to be submitted accordingly. Please see the USU Policy on the "Student Nonattendance Policy" below.

Course Schedule

Week 1

Assignment Type: Check-in Quiz

Details: Set up AggieMail and BOX

Assignment Type: Digital Poster

Details: Create a digital poster introducing themselves

Using Technology and Technology Tools to Enhance and Deepen Students Learning

Week 2

Assignment Type: Discussion Post

Details: Reflect on "What Voices Are Saying About 21st Century Education"

Assignment Type: Compare/Contrast & Reflect

Details: Select 2 Technology Integration Frameworks to compare and contrast

Week 3

Assignment Type: Discussion Board

Details: Examine lesson plans to assess technology integration and alignment to teaching/learning components

Helping Students with Technology and Technology Tools to Achieve Desired Learning Outcomes

Week 4

Assignment Type: Research & Evaluation

Details: Select, research, and evaluate 3 different educational technology tools for different aspects of the learning experience (instruction, assessment, collaboration, practice, feedback, etc.)

Week 5

Assignment Type: Screencast

Details: Create a screencast to present on a technology tool

Week 6

Assignment Type: Multimedia PDF

Details: Present a formative and summative assessment tool

Week 7

Assignment Type: Website Creation

Details: Create a learning module on digital literacy for future students

Leveraging Technology and Technology Tools to Encourage Student Creativity and Innovation

Week 8

Assignment Type: Discussion Board (small teams)

Details: Discuss ways to facilitate student agency and creativity through technology

Week 9

Assignment Type: Lesson Plan Part II

Details: Add a technology component to the lesson plan to allow for creative student demonstrations of learning

How to Select Technology and Technology Tools for the Diverse Learning Environments

Week 10

Assignment Type: Brainstorming with AI

Details: Use ChatGPT to brainstorm ways to collaborate using technology tools and promote cultural competency

Evaluating Technology and Technology Tools to Improve Equitably and Access for All

Week 11

Assignment Type: Discussion Board (small teams)

Details: Review and evaluate cases to explore innovative solutions, inclusive practices, and policies for digital equity

Improving Collaboration and Communication Across all Stakeholders with Technology and Technology Tools

Week 12

Assignment Type: Audio Podcast

Details: Outline an action plan, clear goals, and strategies for overcoming challenges in technology integration initiatives

Final Project

Week 13

Assignment Type: Short Survey

Details: Clarify components of the final project

Week 14-15

Assignment Type: Final Project Submission

Details: Submit the final project