

EDIT 3220: Technology for Teachers

Department: Professional Learning and Innovation

Course Title: Instructional Technology for Teachers

Semester Hours: 3

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Office Hours: Wednesday: 1:00 PM - 4:00 PM

Course Description

Prerequisites: None

This course introduces students to the use and management of technologies in educational settings. Students will gain a knowledge base through hands-on experience with diverse technology resources, designing products for teaching and learning environments, and exploring examples of how technology can be effectively integrated into the classroom curriculum.

Course Function

This course serves as one of the required courses for the undergraduate pre-service cohorts.

Expected Course Outcomes (ISTE Alignment)

ISTE Standards for Educators:

- **1.1 Learner:** Learners develop a vision for technology integration that improves teaching and learning.
- **1.2 Leader:** Educators enhance their professional growth by engaging in continuous learning about technology.

- **2.1 Citizen:** Educators design, adapt, and personalize learning experiences to meet diverse needs using technology.
- **3.3 Collaborator:** Educators model and promote the effective use of digital tools and resources to communicate, collaborate, and solve problems.
- **4.1 Designer:** Educators advocate for equitable access to technology and digital tools for all learners.
- **5.3 Analyst:** Educators are effective at using digital tools to manage and analyze learning data.
- **6.2 Facilitator:** Educators foster a positive, safe, and respectful digital environment.

Required Learning Resources

Required Texts: Readings from content-related journals, magazines, and other online resources (provided timely by the instructor).

Required Materials & Systems:

- **Hardware:** iPad (or access to tablet device for specific apps).
- **Accounts:** Student Learning and Licensure Assessment and Portfolio
- **Software:** Seesaw, Book Creator, and access to Generative AI tools (ChatGPT/ MagicSchool).

Instructor Policies

Attendance & Participation Policy Attendance is mandatory. Missing more than 2 required classes will result in a lower grade, regardless of assignment performance. Using cell phones or social media during class will negatively impact participation grades.

Artificial Intelligence Policy In this course, we treat Generative AI (like ChatGPT, MagicSchool, Canva Magic) as a "Co-Pilot," not an "Autopilot."

- **Permitted:** Using AI to brainstorm lesson ideas, generate reading passages for centers, or create differentiation materials.
- **Not Permitted:** Copy-pasting AI responses as your own reflection or discussion post without citation.

- **Requirement:** If you use AI for an assignment, you must include an "AI Disclosure" stating which tool you used and how you used it.

Academic Integrity All work must be original. Submitting someone else's work will result in a zero for the assignment. Plagiarism will be addressed according to university policies.

Submission Format To streamline feedback, all multimedia projects (Video, Audio, Interactive Centers) must be submitted as a **publicly accessible URL** (e.g., Google Drive link, YouTube link, Seesaw Activity link). Do not upload raw video files directly to the LMS.

Course Content & Project Sequencing

Segment 1: Professional Foundations & Safety

- Establishing a professional digital presence.
- Analyzing K-5 specific digital citizenship issues (Cyberbullying, Screen Time, Safety).
- Introduction to AI as a teacher productivity tool.

Segment 2: Creativity & Logic for Young Learners

- Multimodal storytelling: Using audio and visuals for pre-readers.
- Computational Thinking in K-2: It's not about "coding," it's about sequencing and logic.
- Creating accessible eBooks.

Segment 3: Communication & Family Engagement

- The "Home-School Connection": Communicating effectively with parents.
- Scripting and filming professional video updates.
- Using video for "flipped" instructions in the elementary classroom.

Segment 4: The Interactive Classroom

- Moving from "Teacher-Led" to "Student-Paced" learning.
- Designing digital centers that allow for independent student work.
- Using AI to differentiate content for varying reading levels.

Assessment and Evaluation

Attendance & Participation (100 points) Active engagement in class activities and professional behavior throughout the semester.

Digital Citizenship & Safety (50 points) A reflection posted to Padlet analyzing K-5 specific issues, such as Cyberbullying, Screen Time balance, and Internet Safety.

Google Educator Certification - Level 1 (100 points) Completion of the Google for Education training to demonstrate mastery of the Google Suite (Drive, Docs, Classroom), a skill essential for modern schools.

AI "Teacher Prep" Toolkit (100 points) Submission of three different teacher resources (a rubric, a decodable text, and a graphic organizer) generated using AI tools, accompanied by an AI usage disclosure.

Digital Storytelling Project (100 points) Creation of an accessible, multimedia eBook using Book Creator. The project must be designed for young readers and include audio narration and original imagery.

Computational Thinking Logic Project (50 points) Design of an "Unplugged" sequencing activity or a ScratchJr project that reinforces literacy and math standards (specifically sequencing and logic) for pre-readers.

Family Engagement Video (100 points) Creation of a 60-90 second video update (such as "Meet the Teacher" or a "Math Strategy" explainer) designed specifically for parents and guardians.

Interactive Learning Center (100 points) Design of a student-paced digital station (using a tool like Seesaw or Nearpod) that includes audio support and differentiated reading passages generated by AI.

Professional Website (100 points) A curated professional portfolio hosting all course projects and an "About Me" page, suitable for sharing with school principals.

Total Possible Points: 800

University Policies

Diversity Concerns The College of Education values and respects the diversity of individuals and strives to prepare students to work effectively with people of varying

characteristics. The course will foster an understanding and appreciation of diversity to ensure effective engagement in professional settings.

Disability Services If you have a disability, you may be eligible for accommodations. Contact the Student Disability Resource Center at Russell Library 109 for assistance.

Academic Honesty & Copyright Plagiarism is strictly prohibited. Students must adhere to U.S. copyright law when using or posting materials relevant to the course.

COVID-19 While not mandatory, students are strongly encouraged to get vaccinated against COVID-19. Those unvaccinated should consider wearing masks in class and social settings.

Student Rating of Instruction Survey Your feedback is invaluable. A survey will be administered at the end of the semester to assess the course and instructor. Your responses are confidential.