

**Augusta State University**  
**College of Education**  
**Department of Teacher Education**

**EDTD 6011 - Instructional Technology Application**

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**Office Hours:**

**Before or after class  
or by appointment**

**Required Text:**

Subscription to LiveText – This can be purchased at the ASU Bookstore. Subscription to LiveText is a one time fee.

**Course Description:**

This course will examine and evaluate seven basic technology strands as they relate to the instructional process: (1) curriculum integration, (2) productivity, (3) operating systems and networking, (4) telecommunications and on-line services, (5) distance learning/exploration, (6) multimedia/presentations, (7) desktop publishing.

**ISTE Technology Competencies Addressed:**

The International Society for Technology in Education (ISTE) has adopted standards for technology preparation for all teachers. This course prepares students to:

- Demonstrate ability to operate a computer system in order to successfully utilize software.
- Explore, evaluate and use computer/technology based materials, including applications, educational software, and associated documentation.
- Demonstrate knowledge of uses of computers for problem solving data collection, information management, communications, presentations, and decision making.
- Design and develop student learning activities that integrate computing and technology for a variety of student grouping strategies and for diverse student populations.
- Evaluate, select, and integrate computer/technology-based instruction in the curriculum of one's subject area(s) and /or grade levels.
- Demonstrate knowledge of uses of multimedia, hypermedia, and telecommunications to support instruction.
- Demonstrate skill in using productivity tools for professional and personal use, including word processing, database, spreadsheet, and print/graphic utilities.
- Identify resources for staying current in applications of computing and related technologies in education.
- Use computer-based technologies to access information to enhance personal and professional productivity.

**NBPTS Addressed:**

The National Board for Professional Teaching Standards seeks to identify and recognize teachers who effectively enhance student learning and demonstrate the high level of knowledge, skills, abilities and commitments reflected in the following five core propositions.

1. **Teachers are committed to students and their learning.**
2. **Teachers know the subjects they teach and how to teach those subjects to students.**
3. **Teachers are responsible for managing and monitoring student learning.**
4. **Teachers think systematically about their practice and learn from experience.**
5. **Teachers are members of learning communities.**

### **General Course Objectives:**

The following general instructional objectives are part of this course. The students will be able to:

- Organize classroom instruction supported by technology
- Provide Leadership in the use and integration of technologies into the curriculum
- Produce teacher and student products through a variety of technologies
- Integrate technologies into their teaching
- Demonstrate "proficient" level competencies in all strands of the course.

### **Requirements and Course Outline: (All projects are subject to change)**

1. Identify all input and output devices, evaluate system capabilities (determine adequate memory, hard drive space, etc.) install software (50 points)
2. Be able to troubleshoot for minor hardware and software problems (50 points)
3. Demonstrate proficiency in Microsoft Office software (100 points)
  - a. Excel
  - b. PowerPoint
  - c. Publisher
  - d. Word
4. Design and Create Electronic Portfolio according to PSC standards (100 points)
5. Design a WebQuest for content/grade level (100 points)
6. Design a PowerPoint Game (100 points)
7. Internet research – (100 points)
  - a. Instructional Design Models
  - b. Behaviorism, Constructivism, Multiple Intelligences, Bloom's Taxonomy, Cognitive Apprenticeship, Information Processing, Piaget and Cognitive Development, Gagne's 9 Events of Instruction
  - c. Learning Style Inventory
  - d. Copyright – Educational Fair Use
8. Classroom Technology – (100 points)
  - a. Design a classroom technology plan for independent classroom use
  - b. Write a proposal for school wide technology plan
9. Demonstrate the use of communication tools: email, IM, bulletin boards systems, blogs, LiveText, etc. (50 points)
10. Mid-Term (100 points)
11. Final Project - Design a PodCast (150 points)

### **Grading:**

Grades will be assigned based on the following point system.

**A = 900-1000, B = 800-899, C = 700-799, D = 600-699, F = < 599**

### **Materials:**

USB Drive (Optional)

**LATE ASSIGNMENTS WILL NOT BE ACCEPTED**