

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

**EDTD 6416 – Advanced Instructional Technology**

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**Office Hours:** By Appointment Only

**Course Syllabus Subject to Revision**

**Optional Text:**

Show Me Office 2003

**Prerequisites:** EDTD 3011 or EDTD 6011

**Course Description:**

This course focuses on technology resources and integration strategies for several different content areas with special emphasis on incorporating the current trends toward thematic, interdisciplinary instruction. Students will dive deeply into the internet as a tool for inquiry and develop web based activity units that provide children with opportunities for seeking the information needed for authentic problem-solving projects.

**Technology Competencies Addressed:**

1. Explore, evaluate and use computer/technology based materials, including applications, educational software, and associated documentation
2. Demonstrate knowledge of uses of computers for problem solving data collection, information management, communications, presentations, and decision making
3. Design and develop student learning activities that integrate computing and technology for a variety of student grouping strategies and for diverse student populations
4. Evaluate, select, and integrate computer/technology-based instruction in the curriculum of one's subject area(s) and/or grade levels
5. Demonstrate knowledge of uses of multimedia, hypermedia, and telecommunications to support instruction
6. Demonstrate skill in using productivity tools for professional and personal use, including word processing, database, spreadsheet, and print/graphic utilities
7. Identify resources for staying current in applications of computing and related technologies in education
8. Use computer-based technologies to access information to enhance personal and professional productivity
9. Work collaboratively to develop technology assisted inquiry based interdisciplinary thematic units including lesson procedures, materials, activities, rubrics, and classroom management strategies.
10. Publish units to existing web sites.

**Requirements and Assessment:**

1. Design and Create Electronic Portfolio according to PSC standards (100 points)
2. Class Activities (50 points)
3. Internet Research 1 – (125 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
4. Internet Research 2 – (125 points)

Format: 10-15 slide PowerPoint presentation – Identify:

  - a. Type(s) of technology
  - b. Best methods of integrating technology into the classroom
  - c. Include references (websites, periodical articles, books, etc.)
5. Design Interdisciplinary Web Quest or Multimedia project (PowerPoint) with course Teammates (150 points)
  - a. Aesthetics
  - b. Functionality
  - c. Teamwork
6. Independent Project I – PowerPoint Game, WebQuest, PodCast, Research, etc.) (125 points)
7. Independent Project II – (PowerPoint Game, WebQuest, PodCast, Research, etc.) (125 points)
8. Final Project - PowerPoint Game, WebQuest, PodCast, Research, etc.) (200)

**Grading:**

Grades will be assigned based on the following point system:

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

**Materials:**

A USB drive (optional)

1 Blank CD-R

**LATE ASSIGNMENTS WILL NOT BE ACCEPTED**