

Course Outline

COURSE: CD 12 **DIVISION:** 50 **ALSO LISTED AS:** CSIS 9

TERM EFFECTIVE: Spring 2018 **CURRICULUM APPROVAL DATE:** 05/08/2017

SHORT TITLE: TECHNOLOGY ED TEACHER

LONG TITLE: Technology Education for Teachers

| <u>Units</u> | <u>Number of Weeks</u> | <u>Type</u> | <u>Contact Hours/Week</u> | <u>Total Contact Hours</u> |
|--------------|------------------------|-------------|---------------------------|----------------------------|
| 3 | 18 | Lecture: | 3 | 54 |
| | | Lab: | 0 | 0 |
| | | Other: | 0 | 0 |
| | | Total: | 3 | 54 |

COURSE DESCRIPTION:

The uses of technology in education. Computer skills and terminology as well as other classroom technology will be taught in the context of teacher education. Students who successfully complete this course will gain general and specific skills and knowledge required to meet the Technology Standard for Multiple and Single Subject Credential Candidates. This course has the option of a letter grade or pass/no pass. This course is also listed as CSIS 9. **ADVISORY:** CSIS 122 Computer Keyboarding, or equivalent; English 250 with a grade of C or better.

PREREQUISITES:

COREQUISITES:

CREDIT STATUS: D - Credit - Degree Applicable

GRADING MODES

L - Standard Letter Grade

P - Pass/No Pass

REPEATABILITY: N - Course may not be repeated

SCHEDULE TYPES:

02 - Lecture and/or discussion

STUDENT LEARNING OUTCOMES:

1. Meet or exceed the current Teacher Technology Proficiency standards.

Measure of assessment: Pre-test/Post-test.

Year assessed, or planned year of assessment: 2018

Semester: Spring

2. Identify reasons to use technology in the classroom.

Measure of assessment: Written assignments, group discussion, exam.

Year assessed, or planned year of assessment: 2018

Semester: Spring

3. Design lesson plans that utilize technology tools.

Measure of assessment: Written assignments, PowerPoint presentations.

Year assessed, or planned year of assessment: 2018

Semester: Spring

CONTENT, STUDENT PERFORMANCE OBJECTIVES, OUT-OF-CLASS ASSIGNMENTS

Curriculum Approval Date: 05/08/2017

9 HOURS

Content: Course introduction. Explanation of Teacher Technology Proficiency Requirements. Student Technology Pre-test. Technology in the 21st Century School. Technology and Learning: Theoretical Perspectives on Learning. Learning Styles. Teaching, Learning, and Using Educational Technology.

Student Performance Objectives: List areas of expected technology proficiency for teachers. Discuss how technology can be used for learning and/or to reinforce learning. Identify the theoretical perspectives on learning. Describe various learning styles and identify characteristics of different instructional designs for each style.

3 HOURS

Content: Schools and Technology. Technology in the Classroom.

Student Performance Objectives: Explain the ways technology can be used across schools. List typical computer technology uses in Pre-K through 12th grade classrooms. List the opportunities and challenges of having computers in the classroom.

9 HOURS

Content: Software for Teacher Tasks. Access. MS Word. PowerPoint. Excel.

Student Performance Objectives: Name the types of software that can be used for teachers tasks. Search for, find, and evaluate quality software for use in the classroom. Demonstrate the use of Access database to track classroom materials. Demonstrate the use of MS Word to write a newsletter to parents and a student spelling test. Demonstrate the use of PowerPoint to produce a slide presentation to students about a science topic. Demonstrate the use of Excel to track fundraising expenses and income.

9 HOURS

Content: Exam. Teaching, Learning, and the Web: The Internet and the World Wide Web.

Student Performance Objectives: Define terminology related to the www. Demonstrate www surfing. Print the home page of a found site. Restate the uses of the www in the classroom. Describe 3 search engines.

3 HOURS

Content: Using Audio/Visual/Video Technology Tools in the Classroom.

Student Performance Objectives: Define audio/visual/video tools and vocabulary. Describe uses of audio/visual/video tools in the classroom.

3 HOURS

Content: Technology for Diverse Learners.

Student Performance Objectives: Suggest several technology solutions for students with special needs. Discuss the opportunities and challenges of technology for students with special needs.

3 HOURS

Content: Lesson Plans Using Classroom Technologies.

Student Performance Objectives: Design lesson plans that use technology tools described earlier in the course.

3 HOURS

Content: Exam. Technology for Distance Delivery.

Student Performance Objectives: List the strengths and weaknesses of distance and online learning environments.

3 HOURS

Content: Technology in Schools: Implementation Issues.

Student Performance Objectives: Restate the issues facing teachers and administrators who want to implement more technology in their classrooms.

6 HOURS

Content: Exam. PowerPoint Presentation Assignment. Student Technology Post-test.

Student Performance Objectives: Present PowerPoint assignment.

2 HOURS

OUT OF CLASS ASSIGNMENTS:

Required Outside Hours: 38

Assignment Description: Read chapters in the textbook. Review materials and study for exams.

Required Outside Hours: 38

Assignment Description: Assignments: HW: History Crossword Puzzle. Complete Technology Pre-test and Post-test. Small group exercise on how learning occurs. Hands-On Learning assignments from the textbook related to chapter topic. Assignments: HW: Hands-On Learning assignments from the textbook related to the use of Access, MS Word, and Excel. Assignment: HW: Search for, print, and evaluate the home page of 2 teacher and 2 student web sites. Assignment: HW: Write a lesson plan to teach spelling using two different technology tools. Assignment: HW: Visit an online class or interview an instructor about their online or distance course. Summarize the issues you encountered and list some solutions. Assignment: HW: Interview a 2nd-12th grade teacher about current issues related to implementing technology in schools.

Note: All assignments must be done on a computer.

Required Outside Hours: 30

Assignment Description: PowerPoint Presentations: Presentation #1 Presentation of a science topic to grade level of your choice. Presentation #2 Topic of your choice. Rough Draft on PowerPoint Presentation, then revise PowerPoint presentation and present to class.

METHODS OF INSTRUCTION:

Lecture, demonstration, classroom practice of computer and other technology skills, computer-based assignments.

METHODS OF EVALUATION:

Writing assignments

Percent of total grade: 30.00 %

Writing assignments: 25% - 30% Written Homework

Skill demonstrations

Percent of total grade: 35.00 %

Skill demonstrations: 35% - 40% Other: Computer homework assignments.

Objective examinations

Percent of total grade: 35.00 %

REPRESENTATIVE TEXTBOOKS:

Required Representative Textbooks

Judy Lever-Duffy and Jean McDonald. Teaching and Learning with Technology, 5th Edition. Boston, MA: Pearson Education, 2015.

ISBN: 13:978-0132824903

Reading Level of Text, Grade: 11th Verified by: MS Word

ARTICULATION and CERTIFICATE INFORMATION

Associate Degree:

CSU GE:
IGETC:
CSU TRANSFER:
Transferable CSU, effective 200530
UC TRANSFER:
Not Transferable

SUPPLEMENTAL DATA:

Basic Skills: N
Classification: Y
Noncredit Category: Y
Cooperative Education:
Program Status: 1 Program Applicable
Special Class Status: N
CAN:
CAN Sequence:
CSU Crosswalk Course Department: CD
CSU Crosswalk Course Number: 12
Prior to College Level: Y
Non Credit Enhanced Funding: N
Funding Agency Code: Y
In-Service: N
Occupational Course: C
Maximum Hours:
Minimum Hours:
Course Control Number: CCC000320242
Sports/Physical Education Course: N
Taxonomy of Program: 130500