



5055 Santa Teresa Blvd
Gilroy, CA 95023

Course Outline

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

TERM EFFECTIVE: Summer 2025

CURRICULUM APPROVAL DATE: 06/10/2025

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

Out of Class Hrs: 108.00

Total Learning Hrs: 162.00

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.

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

05 - Hybrid

71 - Dist. Ed Internet Simultaneous

72 - Dist. Ed Internet Delayed

STUDENT LEARNING OUTCOMES:

By the end of this course, a student should:

1. Meet or exceed the current Teacher Technology Proficiency standards.
2. Identify reasons to use technology in the classroom.
3. Design lesson plans that utilize technology tools.

COURSE OBJECTIVES:

By the end of this course, a student should:

1. List areas of expected technology proficiency for teachers.
2. Discuss how technology can be used for learning and/or to reinforce learning.
3. Identify the theoretical perspectives on learning.
4. Describe various learning styles and identify characteristics of different instructional designs for each style.
5. Explain the ways technology can be used across schools.
6. List typical computer technology uses in Pre-K through 12th grade classrooms.
7. List the opportunities and challenges of having computers in the classroom.
8. Describe uses of audio/visual/video tools in the classroom.
9. Name the types of software that can be used for teachers' tasks.
10. Define audio/visual/video tools and vocabulary.
11. Discuss the opportunities and challenges of technology for students with special needs.
12. List the strengths and weaknesses of distance and online learning environments.
13. Restate the issues facing teachers and administrators who want to implement more technology in their classrooms.

COURSE CONTENT:

Curriculum Approval Date: 06/10/2025

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.

3 HOURS

Content: Schools and Technology. Technology in the Classroom.

9 HOURS

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

9 HOURS

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

3 HOURS

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

3 HOURS

Content: Technology for Diverse Learners.

3 HOURS

Content: Lesson Plans Using Classroom Technologies.

3 HOURS

Content: Exam. Technology for Distance Delivery.

3 HOURS

Content: Technology in Schools: Implementation Issues.

7 HOURS

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

2 HOURS

Final Exam.

METHODS OF INSTRUCTION:

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

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 32

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 EVALUATION:

Evaluation Percent 30

Evaluation Description

Writing assignments: 20% - 30%

Written Homework

Evaluation Percent 35

Evaluation Description

Skill demonstrations: 30% - 40%

Other: Computer homework assignments.

Evaluation Percent 35

Evaluation Description

Objective examinations: 25% - 40%

True/False,

Matching Items,

Completion

REPRESENTATIVE TEXTBOOKS:

Teaching and Learning with Technology, 6th Edition, Judy Lever-Duffy and Jean McDonald, Pearson Education, 2018 or a comparable textbook/material.

ISBN: 13:9780134401232

Rationale: This is the most current edition. When a later edition is published, it will be adopted.

11th Grade Verified by: MS Word

ARTICULATION and CERTIFICATE INFORMATION

CSU TRANSFER:

Transferable CSU

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

Prior to College Level: Y

Non Credit Enhanced Funding: N

Funding Agency Code: Y

In-Service: N

Occupational Course: C

Course Control Number: CCC000320242

Sports/Physical Education Course: N

Taxonomy of Program: 130500