LINC 50F: INTEGRATING TECHNOLOGY & REFLECTIVE PRACTICES IN 21ST CENTURY EDUCATION

Foothill College Course Outline of Record

Effective Term:Summer 2025Units:2Hours:2 lecture per week (24 total per quarter)Advisory:Basic computer skills and knowledge of Macintosh or Windows operating systems; familiarity using web browsers, email, bookmarking, searching and downloading; not open to students with credit in LINC 225.Degree & Credit Status:Degree-Applicable Credit CourseFoothill GE:Non-GETransferable:CSUGrade Type:Letter Grade (Request for Pass/No Pass)Repeatability:Not Repeatable	Heading	value
Units:2Hours:2 lecture per week (24 total per quarter)Advisory:Basic computer skills and knowledge of Macintosh or Windows operating systems; familiarity using web browsers, email, bookmarking, searching and downloading; not open to studentsDegree & Credit Status:Degree-Applicable Credit CourseFoothill GE:Non-GETransferable:CSUGrade Type:Letter Grade (Request for Pass/No Pass)Repeatability:Not Repeatable	Effective Term:	Summer 2025
Hours:2 lecture per week (24 total per quarter)Advisory:Basic computer skills and knowledge of Macintosh or Windows operating systems; familiarity using web browsers, email, bookmarking, searching and downloading; not open to students with credit in LINC 225.Degree & Credit Status:Degree-Applicable Credit CourseFoothill GE:Non-GETransferable:CSUGrade Type:Letter Grade (Request for Pass/No Pass)Repeatability:Not Repeatable	Units:	2
Advisory:Basic computer skills and knowledge of Macintosh or Windows operating systems; familiarity using web browsers, email, bookmarking, searching and downloading; not open to students with credit in LINC 225.Degree & Credit Status:Degree-Applicable Credit CourseFoothill GE:Non-GETransferable:CSUGrade Type:Letter Grade (Request for Pass/No Pass)Repeatability:Not Repeatable	Hours:	2 lecture per week (24 total per quarter)
Degree & Credit Status:Degree-Applicable Credit CourseFoothill GE:Non-GETransferable:CSUGrade Type:Letter Grade (Request for Pass/No Pass)Repeatability:Not Repeatable	Advisory:	Basic computer skills and knowledge of Macintosh or Windows operating systems; familiarity using web browsers, email, bookmarking, searching and downloading; not open to students with credit in LINC 225.
Foothill GE:Non-GETransferable:CSUGrade Type:Letter Grade (Request for Pass/No Pass)Repeatability:Not Repeatable	Degree & Credit Status:	Degree-Applicable Credit Course
Transferable: CSU Grade Type: Letter Grade (Request for Pass/No Pass) Repeatability: Not Repeatable	Foothill GE:	Non-GE
Grade Type: Letter Grade (Request for Pass/No Pass) Repeatability: Not Repeatable	Transferable:	CSU
Repeatability: Not Repeatable	Grade Type:	Letter Grade (Request for Pass/No Pass)
	Repeatability:	Not Repeatable

Student Learning Outcomes

- Analyze a variety of technologies for teaching and learning that match standards based objectives and 21st century skills.
- · Examine standards, 21st century skills.
- Compare and contrast student projects and learning outcomes that utilized technologies with those that did not.

Description

Designed for K-14 educators, this course offers hands-on experiences in integrating cutting-edge educational technologies and 21st century skills into any standards-based curriculum. The focus is on using frameworks to develop, implement, and reflect on technology-enhanced projects that foster student-centered learning. Special emphasis is placed on incorporating strategies for personal and professional resilience through reflective practices and peer feedback.

Course Objectives

The student will be able to:

- 1. Examine educational standards and 21st century skills, applying these frameworks to design technology-enhanced learning experiences.
- 2. Analyze and select appropriate technologies to support standardsbased objectives and enhance 21st century skills in teaching and learning environments.
- 3. Plan and execute standards-based projects and activities utilizing technology in the classroom, emphasizing collaboration and problem-solving skills.

- 4. Evaluate student learning outcomes and the effectiveness of technology-integrated projects.
- 5. Develop strategies for personal resilience and engage in reflective practice that supports professional growth.

Course Content

- 1. Examine and apply educational standards
 - a. Academic content standards
 - b. ISTE standards
 - c. TPACK framework
 - d. 21st century skills
- 2. Integrate technology effectively
 - a. Technology selection
 - b. Implementation in the classroom
 - c. Reflective assessment
- 3. Plan comprehensive projects
 - a. Instructional design
 - b. Implementation strategies
 - c. Collaboration and teamwork
 - d. Project evaluation
- 4. Reflect and evaluate outcomes
 - a. Evaluation frameworks
 - b. Reflective analysis
 - c. Peer feedback
- 5. Cultivate resilience and reflective practice
 - a. Resilience strategies
 - b. Reflective practice techniques
 - c. Professional growth
 - d. Adaptive teaching

Lab Content

Not applicable.

Special Facilities and/or Equipment

1. When offered on/off campus: Lecture room equipped with LCD projector, whiteboard, and a demonstration computer connected online. Computer laboratories equipped with online PCs and/or Macintosh computers, network server access, and printers.

2. When taught via the internet: Students must have current email accounts and/or ongoing access to internet capable computers or tablets.

Method(s) of Evaluation

Methods of Evaluation may include but are not limited to the following:

Developing an integrated student-centered, technology enhanced lesson plan or project

Presenting the project to peers Making constructive contributions to class discussions Evaluating the course project

Method(s) of Instruction

Methods of Instruction may include but are not limited to the following:

1

Lecture presentations delivered in student-centered learning style Facilitated discussions of readings or video presentations Student presentations in small group and whole class meetings

Representative Text(s) and Other Materials

Instructor-assigned notes, materials, and resources, including instructional materials, open education resources, multimedia, and websites.

Types and/or Examples of Required Reading, Writing, and Outside of Class Assignments

- 1. Reading assignments include analysis of texts, selected examples, and student projects.
- 2. Writing assignments include multiple developmental projects, reflections, discussion responses, and peer feedback on projects.
- 3. Outside assignments include project planning and development, participation in online peer collaboration activities, and project development through an iterative process.

When taught online, these methods may take the form of multimedia and web-based presentations. Assignments will be submitted online as well.

Discipline(s)

Instructional Design/Technology