LINC 98A: TEACHING & LEARNING IN THE DIGITAL AGE I

Foothill College Course Outline of Record

Heading	Value
Effective Term:	Summer 2022
Units:	0.5
Hours:	6 lecture per quarter (6 total per quarter) This course meets 1 time 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 228S.
Degree & Credit Status:	Degree-Applicable Credit Course
Foothill GE:	Non-GE
Transferable:	CSU
Grade Type:	Letter Grade (Request for Pass/No Pass)
Repeatability:	Not Repeatable

Student Learning Outcomes

- Explore best practices of using technology for curriculum delivery, for professional development, and for management systems.
- Evaluate advantages of technology for instruction, professional development, and management tasks.
- Evaluate instructional needs

Description

Introduction to integrating educational technology in the classroom for those interested in using technology to effectively deliver curriculum content, engage in professional development, and efficiently manage the classroom or training environment (e.g., online grading, storage, communication with parents, etc.). Participants will examine and set up appropriate technology tools.

Course Objectives

The student will be able to:

1. Evaluate instructional needs.
2. Explore best practices of using technology for curriculum delivery, for professional development, and for management systems.
3. Set up appropriate technologies for different tasks.
4. Evaluate advantages of technology for instruction, professional development, and management tasks.

Course Content

1. Instructional needs
    a. Instructional needs analysis
        i. What needs to be changed in order to deliver lessons that engage students?
        ii. What needs to be done to get needed professional development when there is little time to go to classes?
        iii. What needs to be changed in order to run the classroom tasks more efficiently?
    b. Learner needs analysis
        i. Who is the audience for the instruction?
2. Best practices of using technology
    a. What have others done that works well?
    b. Identify web resources for educational technology integration
3. Appropriate technologies
    a. Download and set up tools for use
    b. Share how the technology will be used
4. Advantages of technology for instruction, professional development, and management tasks
    a. Identify the risks and benefits of educational technology integration

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 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 training outline or lesson plan
Presentation of the project to peers
Making constructive contributions to class discussions

Method(s) of Instruction

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

Students will write notes, listen, and participate in lecture presentation and class discussion using the terminology of the software product and publishing industry
Students will observe an instructor-led demonstration and engage in practice of software and hardware techniques
Students will engage in in-class presentations and peer review to critique class projects

Representative Text(s) and Other Materials

Miller, Matt. Tech Like a PIRATE: Using Classroom Technology to Create an Experience and Make Learning Memorable. 2020.

Instructor-assigned notes and materials.
When course is taught online: Additional information, notes, handouts, syllabus, assignments, tests, and other relevant course material will be delivered via the course learning management system, and discussion may be handled with internet communication tools.

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

1. Each class session requires the student to read and analyze selected websites or student projects related to that session's topics. Class discussion is encouraged
2. Each session's topic requires a written response to a prompt that is turned in for instructor or peer review. Each prompt is designed to be a draft of a section of the student's completed project. Instructor feedback should be reflected in the final product
3. When taught online these methods may take the form of video, audio, animation and webpage presentations. Assignments will be submitted online as well

Discipline(s)

Instructional Design/Technology