

TECH 901 – Formative! for Innovative Educators

Independent Study Online Course Syllabus

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Number of Graduate Semester Units: 2
Target Audience: K-12th grade teachers
Course Access: ce-connect.fresno.edu

Course Description

Formative! is one of the most powerful and free online tools available to classroom teachers. Create custom formative assessments for your students that will allow you to easily assess and provide immediate feedback to your students in real time. With Formative! you can upload and transform documents, create quizzes, incorporate video content and images, and add links to articles, but the real power of Formative! is the ability to see the progress of each of your students at the same time and quickly provide support. Formative! also allows you to track your students' progress in reaching state standards and provides valuable data to see how they are progressing over time. Formative! is a constantly developing platform with a growing community of educators and a large and accessible library of teacher-created assessments that will contribute to your creativity as well. Formative! works best in 1:1 classrooms where each student has access to his/her own device.

Note: There is no required textbook for this course.

Online Resources: Relevant online resources that support the course content and encourage further investigation will be available throughout the course assignments. Active hyperlinks are utilized throughout the course and will link to the appropriate information when clicked. These include videos, podcasts, worksheets, online activities, journal articles and other resources.

Moodle: Moodle is a web-based course management system used to support flexible teaching and learning in both face-to-face and distance courses (e-learning).

www.moodle.org // www.moodle.org/demo // <https://docs.moodle.org>

Course Dates

Self-paced; students may enroll at any time and take up to one year, from the date of registration, to complete assignments. Students may complete assignments in no less than three weeks (one week per credit), to complete the course.

National Standards Addressed in This Course

<http://www.nbpts.org/five-core-propositions> - NBPTS - National Teaching Standards

<http://www.iste.org/standards> - ISTE - International Society for Technology in Education Standards

ISTE Standards for Educators:

1 Educators continually improve their practice by learning from and with others and exploring proven and promising practices that leverage technology to improve student learning. Educators:

2 Educators seek out opportunities for leadership to support student empowerment and success and to improve teaching and learning.

3 Educators inspire students to positively contribute to and responsibly participate in the digital world.

4 Educators dedicate time to collaborate with both colleagues and students to improve practice, discover and share resources and ideas, and solve problems.

5 Educators design authentic, learner-driven activities and environments that recognize and accommodate learner variability.

6 Educators facilitate learning with technology to support student achievement of the ISTE Standards for Students.

7 Educators understand and use data to drive their instruction and support students in achieving their learning goals.

Continuing Education Program Student Learning Outcomes

CE 1	Demonstrate proficient written communication by articulating a clear focus, synthesizing arguments, and utilizing standard formats in order to inform and persuade others, and present information applicable to targeted use.
CE 2	Demonstrate comprehension of content-specific knowledge and the ability to apply it in theoretical, personal, professional, or societal contexts.
CE 3	Reflect on their personal and professional growth and provide evidence of how such reflection is utilized to manage personal and professional improvement.
CE 4	Apply critical thinking competencies by generating probing questions, recognizing underlying assumptions, interpreting and evaluating relevant information, and applying their understandings to the professional setting.
CE 5	Reflect on values that inspire high standards of professional and ethical behavior as they pursue excellence in applying new learning to their chosen field.
CE 6	Identify information needed in order to fully understand a topic or task, organize that information, identify the best sources of information for a given enquiry, locate and critically evaluate sources, and accurately and effectively share that information.

Student Learning Outcomes (SLOs) for This Course

Student Learning Outcomes for This Course By the end of this course student will be able to:	National Standards Addressed in This Course*	Continuing Education Program Student Learning Outcomes Addressed**
1. Develop lessons using the online tool that allow for immediate formative assessment.	ISTE 1, 5	CE 2
2. Analyze data from assessments to aid in lesson planning.	ISTE 5, 6, 7	CE 2, 4
3. Utilize multiple features within the tool to facilitate a variety of lesson formats.	ISTE 1, 5, 6	CE 2
4. Design a presentation for colleagues that provides an introduction to the online tool.	ISTE 1, 2, 3, 4	CE 1, 2, 3, 6
5. Utilize the search feature of the tool to find and modify lessons from other teachers.	ISTE 1,3, 4	CE 2, 4, 5
6. Demonstrate proficiency aligning the state or national standards with the tool.	ISTE 6, 7	CE 2, 4, 5, 6

* Please refer to the section on **National Standards Addressed in This Course**

** Please refer to the section on **Continuing Education Program Student Learning Outcomes**

Topics, Assignments, and Activities

Module Title	Module Assignments and Activities	Points Possible for Each Assignment
Welcome Module	<ul style="list-style-type: none"> • Introduction video • Introduce yourself forum • Moodle online tutorial • Course syllabus 	
Module 1 – Getting Started with Formative!	1.1 Setting up a Formative online account 1.2 Exploring the Formative library for resources 1.3 Post to a forum	5 points 5 points 5 points
Module 2 – Building Assessments	2.1 Build a Multiple Choice assessment with auto-grading 2.2 Embedding videos 2.3 Enhancing PDF Documents 2.4 Creating Formative with Multiple Features 2.5 Post to a forum	5 points 5 points 5 points 5 points 5 points
Module 3 – Teach with Formative	3.1 Provide Immediate Feedback during Formative 3.2 Observe the data and analyze the extent to which the standards were met. 3.3 Post to a forum 3.4 Read & Respond to Articles on Feedback	5 points 5 points 5 points 10 points
Module 4 – Certification and Community	4.1 Certification, Community & Badges	5 points
Module 5 –	5.1 Design an Action Plan	5 points

Module Title	Module Assignments and Activities	Points Possible for Each Assignment
Final Assignments	5.2 Submit a Unit Plan 5.3 Post to a Forum	20 points 5 points
	TOTAL POINTS	100 points

Grading Policies and Rubrics for Assignments

- Assignments will be graded per criteria presented in the course grading rubrics.
- Students must earn a minimum of 80% to receive credit for the assignment.
- A = 90-100% and B= 80-89%, (anything below 80% will not receive credit.)
- Grading Policies:
 - The discernment between an A or a B is at the discretion of the instructor based on the quality of work submitted (see assignment rubrics).
 - Coursework falling short of a quality equaling a B or a Credit Grade will be returned with further instructions.
 - All assignments must be completed to receive a grade. In addition, all assignments are expected to reflect the quality that teacher-training institutions require of professional educators. If completed assignments do not meet this standard, students will be notified with further instructions from the instructor.

Writing Requirements

- **Superior:** Writing is clear, succinct, and reflects graduate level expectations.
- **Standard:** Writing is acceptable with very few mistakes in grammar and spelling.
- **Sub-standard:** Writing contains noticeable mistakes in grammar and spelling.
- **Written assignments and papers need to follow APA formatting** (1" margins, Times New Roman font - size 12, double spaced; centered title, student first and last name on paper. Instructors may add additional APA writing requirements as needed.)

Discussion Forum Requirements

- **Superior:** Response was at least 1 page (3 fully developed paragraphs) in length. Thoroughly answered all the posed questions, followed all the assignment directions, correctly followed APA formatting, proper grammar and no spelling errors. Language is clear, concise, and easy to understand. Uses terminology appropriately and is logically organized.
- **Standard:** Response was less than 1 page in length (less than 3 fully developed paragraphs). Answered all the questions but did not provide an in-depth analysis, followed some of the assignment directions, minor APA formatting issues, proper grammar and no spelling errors. Language is comprehensible, but there are a few passages that are difficult to understand. The organization is generally good.
- **Sub-standard:** Response was only ½ page in length (1-2 paragraphs). Did not answer all the required questions and/or statements or responses were superficial, vague, or unclear, did not follow many of the assignment directions or submitted response late, many APA formatting errors, many grammatical and spelling errors. Is adequately written, but may use some terms incorrectly; may need to be read two or more times to be understood.

Services for Students with Disabilities

Students with disabilities are eligible for reasonable accommodations in their academic work in all classes. In order to receive assistance, the student with a disability must provide the Academic Support Center with documentation, which describes the specific disability. The documentation must be from a qualified professional in the area of the disability (i.e. psychologist, physician or educational diagnostician). Students with disabilities should contact the Academic Support Center to discuss academic and other needs as soon as they are diagnosed with a disability. Once documentation is on file, arrangements for reasonable accommodations can be made. For more information and for downloadable forms, please go to <https://www.fresno.edu/students/academic-support/services-students-disabilities>.

Plagiarism and Academic Honesty

All people participating in the educational process at Fresno Pacific University are expected to pursue honesty and integrity in all aspects of their academic work. Academic dishonesty, including plagiarism, will be handled per the procedures set forth in the Fresno Pacific University Catalogue - <https://www.fresno.edu/students/registrars-office/academic-catalogs>

Discussion Forums

Participation is an important expectation of this course and all online courses. Online discussions promote reflection and analysis while allowing students to appreciate and evaluate positions that others express. While students may not be engaging with the same students throughout this course they will be expected to offer comments, questions, and replies to the discussion question whenever possible. The faculty role in the discussion forum is that of an observer and facilitator.

Technology Requirements

To successfully complete the course requirements, course participants will need Internet access, can send and receive email, know how to manage simple files in a word processing program, and have a basic understanding of the Internet. Please remember that the instructor is not able to offer technical support. If you need technical support, please contact your Internet Service Provider.

Moodle:

This course will be delivered totally online. Moodle is a learning management system that provides students access to online resources, documents, graded assignments, quizzes, discussion forums, etc. with an easy to learn and use interface. To learn more about Moodle, go to: (https://docs.moodle.org/30/en/Student_FAQ). There are some student tutorials on the Center for Online Learning website at Fresno Pacific University – <http://col.fresno.edu/student>.

Moodle Site Login and Passwords – (or other online course access information):

Students will need to have internet access to log onto <https://ce-connect.fresno.edu>. The username and password numbers for Moodle access will be sent to you by the university using the email address you submitted at the time of registration. The instructor will then contact you with a welcome letter and login instructions. If you need help with the username and password recovery, please contact the Center for Professional Development at (800) 372-5505 or (559) 453-2000 during regular office hours - Mon-Fri 8:00 am to 5:00 pm. or email prof.dev@fresno.edu.

Getting Help with Moodle:

If you need help with Moodle, please contact the Center for Online Learning (COL), by telephone or the website. Help by phone (559) 453-3460 is available Mon-Thurs 8:00 am to 8:00 pm and on Fridays from 8:00 am to 5:00 pm, or by filling out a “Request Services” form at <http://col.fresno.edu/contact/request-services>. Please identify that you are with the “School = Continuing Education”.

Instructor/Student Contact Information

Throughout the course participants will be communicating with the instructor and their classmates on a regular basis using asynchronous discussion forums. A virtual office is utilized for class questions and students are provided with instructor contact information in the event they want to make phone or email contact. In addition, students are encouraged to email or phone the instructor at any time. Students will also receive feedback on the required assignments as they are submitted.

Final Course Grade and Transcripts

When all work for the course has been completed, students will need to logon to the Continuing Education website (<https://ce.fresno.edu/my-account>) and “Request Final Grade”. Once the instructor receives the requests and submits the grade online, students may log back in to view their Final Grade Report or order transcripts online. Please allow at least two weeks for the final grade to be posted. For more information, see the Continuing Education Policies and Procedures at <https://ce.fresno.edu/ce-policies-and-procedures>.

University Policies and Procedures

Students are responsible for becoming familiar with the information presented in the Academic Catalog and for knowing and observing all policies and procedures related to their participation in the university community. A summary of university policies may be found on the university website at <http://registrar.fpu.edu/catalog>.

Fresno Pacific University Student Learning Outcomes

Student Learning Outcomes Oral Communication: Students will <i>exhibit</i> clear, engaging, and confident oral communication – in both individual and group settings – and will critically <i>evaluate</i> content and delivery components.
Written Communication: Students will <i>demonstrate</i> proficient written communication by <i>articulating</i> a clear focus, <i>synthesizing</i> arguments, and utilizing standard formats in order to <i>inform</i> and <i>persuade</i> others.
Content Knowledge: Students will <i>demonstrate</i> comprehension of content-specific knowledge and the ability to apply it in theoretical, personal, professional, or societal contexts.
Reflection: Students will <i>reflect</i> on their personal and professional growth and <i>provide evidence</i> of how such reflection is utilized to manage personal and vocational improvement.
Critical Thinking: Students will <i>apply</i> critical thinking competencies by <i>generating</i> probing questions, <i>recognizing</i> underlying assumptions, <i>interpreting</i> and <i>evaluating</i> relevant information, and <i>applying</i> their understandings to new situations.
Moral Reasoning: Students will <i>identify</i> and <i>apply</i> moral reasoning and ethical decision-making skills, and <i>articulate</i> the norms and principles underlying a Christian world-view.
Service: Students will <i>demonstrate</i> service and reconciliation as a way of leadership.
Cultural and Global Perspective: Students will <i>identify</i> personal, cultural, and global

perspectives and will employ these perspectives to *evaluate* complex systems.

Quantitative Reasoning: Students will accurately *compute* calculations and symbolic operations and *explain* their use in a field of study.

Information Literacy: Students will *identify* information needed in order to fully understand a topic or task, *explain* how that information is organized, *identify* the best sources of information for a given enquiry, *locate* and critically *evaluate* sources, and accurately and effectively *share* that information.