BUILD-IT

Building University-Industry Learning and Development through Innovation and Technology Alliance (BUILD-IT)

Practical Flipped Classroom Seminar CTU
Tuesday, April 13, 2021

Venue: Online via Zoom
https://asu.zoom.us/meeting/register/tZUkdeyoqzIiGdV0Bn7xM5a_PaFXqE8jfCpQ

Instructors: Dr. Scott Danielson, Mr. Jimmy Cervin – Arizona State University
Attendees: Interested CTU program leaders and lecturers

Expected Outcomes: Flipped classroom instructional methodology has been gaining acceptance in classrooms all around the world. This teaching methodology promotes a student-centered and active learning approach to college and university education. By using technology such as a learning management system (LMS), instructors utilize different content delivery modalities inside and outside the classroom, allowing them to enable more active learning in the classroom. This workshop will show participants the pedagogy of a flipped classroom environment, discuss the instructional design of a flipped classroom, reflect on video production and creation difficulties, and end with a demonstration of a flipped classroom for an engineering class at Arizona State University.

Pre-Work: Prior to the workshop, participants will be required to complete 30-45 minutes of pre-work on the BUILD-IT Moodle LMS. The objective for this is to mimic the functional methodology of a flipped classroom during this seminar and allow participants to engage in this learning modality. Therefore, *__it is imperative that the BUILD-IT coordinator (Ms. Anh Nguyen) receives the final registration list by no later than 5:00 PM on March 23rd__*. If there are any participants who have not used the BUILD-IT Moodle LMS, accounts will need to created and participants will need to register before they can access the Flipped Classroom course shell to complete the pre-work. Once enrollment of this cohort has been completed, the BUILD-IT Coordinator will notify participants that they have pre-work to be completed.

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Agenda

7:30 – 8:00 am	**Zoom Registration and Entry into Zoom Room**
8:00 – 8:15 am	**Welcome and Introduction to Workshop: Objectives and Outcomes**
8:15 – 8:45 am	**Flipped Classroom Pedagogy Review and Discussion**

8:15 – 8:45 am · **Flipped Classroom Pedagogy Review and Discussion**
Participants will explore flipped learning pedagogy and its benefits to student learning and enhancement of the instructor's role in student learning.

8:45 – 9:15 am · **Instructional Design of a Flipped Classroom**
Variations in design of a flipped classroom and their impact on student learning are explored. Discussion of how CTU lecturers can adjust their classes into a flipped methodology will be encouraged.

9:15 – 9:45 am · **Video Production and Creation: Ideas for Online Content Delivery**
Tools and techniques for use in or to support a flipped classroom will be discussed and demonstrated.

9:45 – 9:55 am · **Break**

9:55 – 10:25 am · **ASU Engineering Flipped Classroom Demo and Discussion**
The components, techniques and tools use to support an engineering mechanics course in a "flipped" mode will be demonstrated and discussed. Participants will discuss possibility of adjusting their classes into a flipped methodology.

10:25 – 10:30 am · **Q/A and Closing Comments**

Post-Work: After the workshop has completed, participants will be required to return to the BUILD-IT Moodle LMS and complete their post-work. This should not take more than 15 minutes. By completing the post-work, the Flipped Classroom workshop's example methodology will be completed. Therefore, faculty can gain a certain perspective of how this model could be used by their students, which would be centered around their course's individual lesson planning and content.