

## Online teaching and active learning: Flipping the classroom

Organizer/Chair: Dr. Patrizia Busato, University of Turin

Collaborators: Prof. Remigio Berruto, University of Turin; Prof. Fedro Zazueta, University of Florida

Duration: 2 hours

Objective: This workshop is a combination of tutorials and hands on activity to familiarize interested individuals with Online Learning and Active Learning Pedagogy.

Brief Description:

The workshop will be conducted as a combination of presentations and hands-on exercises as described in the agenda below. The presentations will focused on introductory concepts related to:

- 1) Online learning. A review will be conducted of online teaching/learning experiences by diverse institutions with a special focus on improving quality or learning and reducing the cost of instruction. In addition, the ADDIE methodology will be presented to familiarize teaching faculty with the development process of an online course. Barriers and conditions for success will be reviewed, including: required services and infrastructure, faculty and student competencies and skills, and required operational support.
- 2) Flipped classroom. The flipped classroom methodology will be presented, including learning theory, research findings, and the development and implementation of course modules for use with this innovative pedagogy.

The hands-on group exercises will focus on:

- 1) Writing a learning objective and assessment.
- 2) Creating a realistic and engaging active learning activity.

### AGENDA

#### Online Teaching and Active Learning Workshop

- 10 min Welcome and Introduction. (PB)
- 20 min The online learning revolution. (FZ)
- 30 min Active Learning (Flipped classroom): What is it? Why it works! Research Results. (PB)
- 20 min Delivering a course: What works, what doesn't? A real example. (RB)
- 15 min BREAK
- 10 min Service and infrastructure requirements. (RB or FZ)
- 30 min Hands on: Writing a learning objective and assessment. (All participants working in groups)
- 30 min Hands on: Creating an engaging and realistic activity. (All participants working in groups)
- 10 min Report from groups.
- 0 min Adjourn.