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Blended and Flipped

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BLENDED AND FLIPPED

THERESA BUTORI



DEFINED

Blended and flipped: Course that integrates online elements into face-to-face delivery.

Content and materials are available online and typically keeps all or most face-to-face meetings.

The inverted, active learning classroom “flips” the in-class and homework activities, moving content lectures before class (typically as short videos)

Students watch the online lectures at home, while class time is spent on working **ACTIVELY** and/or in groups on practice and hands-on activities.

The learner is freed from struggling with the problems alone at home.

ABOUT THE COURSE

- STEM and active learning
- Developmental Math Course - 6 weeks - non-traditional adults
- Students meet once a week on Thursday evening
- One week is entirely online
- All weekly modules are fully developed and posted online in the LMS
- Students submit all work online not handed in on paper

WHAT MAKES A COURSE BLENDED & FLIPPED?

- Intro to CONCEPT or PROCESS
- The lectures are videos or recorded screencasts
- Videos are short, mini-lessons
- Students are required to watch them before coming to class

VIDEOS

- Screencasts using the whiteboard
 - <http://www.screencast.com/t/NUWYIkudFZS>
- Screencasts explaining a worked out problem, using software
 - <http://www.screencast.com/t/SosEdJdG9>
- Demonstrating LMS and project
 - <http://www.screencast.com/t/HujKWRhYnk>
- Interactive component to videos
- Publishing videos and tracking views

WALKING THROUGH A TYPICAL WEEK

- Videos are posted in the online course LMS
- Students are required to watch lecture videos (accessed online) and work out the example problems before coming to class on Thursday

HOMEWORK?

Accountability Options

- Online quiz,
- Require students to pose a question
- Short assignment before starting class

ACTIVE LEARNING

- In class, I go over one or two problems, ask students if they have questions
- Students work together or alone on practice problems using software MyMathLab or problems out of the textbook or with instructor guidance IN CLASS
- TIME to work together on practice problems
 - Alone
 - In groups
 - With instructor guidance

APPLY THEIR SKILLS TO RL PROBLEM

- Performance assessment is real world application or project
- I go over the project which asks students to apply skills; in an attempt to bridge skills to applying those skills to a real life problem
- Students work together on the project assignment or alone or with instructor guidance

WHAT ARE OTHER CHALLENGES?

- Time
- Videos
- Jing Project
- Screencast-o-matic
- Grade pre-class work
- Work time
- Grading group work