Active Teaching and Learning

Teaching and Learning Hour

Fitchburg State - Center for Teaching and Learning

November 19, 2019

The Plan

What is Active Learning?

Don't Be Scared

Setting Up for Success

Help Me Help You

A Definition

"Learning is not a spectator sport. Students must talk about what they are learning, write about it, relate it to past experiences, apply it to daily lives."

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"All genuine learning is active, not passive. It is the process of discovery in which the student is the main agent, not the teacher."

– M.J. Alder

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Active Learning when students are motivated and driven to work on assignments and class activities, and students bring new ideas to the share with the class.



Examples

Case Studies
Small Group Discussions
In Class Writing Assignments
Concept Mapping
Role Playing

Polling/Clickers

Field Experiences

See One - Do One - Teach One

Think - Pair - Share

Games





Coverage Issue

It is more difficult to cover all the content required in a course when using active teaching strategies.

Coverage Issue Prep Time

It requires too much time to prepare active learning materials for my classes.

Coverage Issue Prep Time Too Many Students

Larger class sizes prevent the implementation of active teaching techniques.

Coverage Issue
Prep Time
Too Many Students
Lectures Work Fine

Most of us learned from lectures and are pretty good lecturers.



Coverage Issue
Prep Time
Too Many Students
Lectures Work Fine
Student Resistance

Students can be resistant to active learning and might not participate or express that they can't learn with these methods.

Coverage Issue **Prep Time Too Many Students** Lectures Work Fine Student Resistance Others?

Coverage Issue **Prep Time Too Many Students** Lectures Work Fine Student Resistance **Grading and Evaluation Student Preparation**



Coverage Issue

Prep Time

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Student Resistance Grading and Evaluation



Coverage Issue Focus on skills over content. Maybe a flipped classroom. Cover material on out of class assignments. Prep Time

Too Many Students

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Coverage Issue Focus on skills over content. Maybe a flipped classroom. Cover material on out of class assignments. Prep Time High quality lectures take a lot of preparation. Consider small changes. What can students do? Too Many Students

Lectures Work Fine

Student Resistance Grading and Evaluation



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Consider small changes. What can students do?

Too Many Students Think-Pair-Share, Summaries, Peer Evaluation, Small Groups, Clickers

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Lectures Work Fine Do they really? Are your students learning what you want them to?
Student Resistance

Grading and Evaluation



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Student Resistance Transparency, Assessment Grading and Evaluation



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Lectures Work Fine Do they really? Are your students **learning** what you want them to?

Student Resistance Transparency, Assessment Grading and Evaluation Groups, Check Grading, Specifications Based Grading, Scaffolding



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Student Resistance Transparency, Assessment
Grading and Evaluation Groups, Check Grading,
Specifications Based Grading, Scaffolding
Student Preparation Pre-Quizzes, Clear Expectations



Things We Want To Try

Choose one new to you active teaching strategy that you will try.

Group Work

Student Experts

Choose Your Own Adventure

Games

Pre-Quizzes

Simulation



Things We Want To Try

Choose one new to you active teaching strategy that you will try.

- **Group Work**
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- Choose Your Own Adventure
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- Simulation

In small groups, discuss how to make implementing this strategy successful.



Group Work



Student Experts



Choose Your Own Adventure



Games



Pre-Quizzes



Simulation



What Support Do You Need?

How can FSU support you in continuing to implement active teaching strategies?

- Simulation Lab Space
- **Furniture Arrangements**
- **Community Transportation**
- Active Teaching Strategy of the Month
- **Motivate Community**

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Please also send me (swright8) any other suggestions as you think of them.

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