

The Flipped Actuarial Classroom

Actuarial Research Conference

July 18, 2024

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Flipping Your Class

- What is a Flipped Class?
- Pre-requisites
- Accountability
- Buy-in
- Classroom
- Outcomes
- Is Flipping Right for Your Course?
- Resources

What is a Flipped Class?

- One implementation of blended learning
- Students view material outside of class
- Class time is spent doing active learning
- Lots of variety! *Have you flipped?*



Visit My Flipped Class (STAT 334)

- Two 15-20 min videos and knowledge check qs
- Weekly Kahoot quiz & group activity
- Assignments, project, written and oral tests



Pre-Requisites

- Lecture videos
- Learning outcomes
- Lots of problems
- Support of your department head
 - *Does your department support/encourage?*

Accountability

- Quiz or Knowledge Check on material
 - Before class or during class
 - Graded or ungraded
- Do not review material in class
- Suggest schedule for watching videos
- Other assessments

Buy-In

- Pre-course survey
- Share research
- Testimonials from other students
- Class discussion on first day

Classroom

- Physical space
 - Designated flexible learning classrooms
 - *Do you know any at your school?*
 - Other spaces can be made to work too
- Scheduling options
 - Reduced contact hours
 - Normal schedule but use less time
 - Normal schedule but split class in half

Outcomes

- High student engagement and attendance
- Lots of fun teaching!
- Similar quality performance on exams
- 3% higher performance in follow-up courses
- Positive student evaluations
- Survey results (% found extremely or very useful)
 - Lecture videos 93% Tutorial activities 89%
 - Knowledge check qs 68% Kahoot quizzes 56%

Is Flipping Right for Your Course?

Criteria	0 Points	1 Point	2 Points
Suitable learning space	No	Space that can be adapted	Flexible learning space
Asynchronous material	Need to create	Can adapt from existing	Already have
Support from department	No	Reluctant	Enthusiastic
Activities for key concepts	No ideas	Ideas for some concepts	Ideas for every week
Student maturity	Novice	Intermediate	Expert

Are you excited to try it?

Resources

- Ten Questions to Ask when Blending <https://uwaterloo.ca/centre-for-teaching-excellence/resources/blended-learning/ten-questions-ask-when-designing-blended-course>
- Planning a Flipped Class <https://uwaterloo.ca/centre-for-teaching-excellence/catalogs/tip-sheets/course-design-planning-flipped-class>
- Building Buy-In [Smith, G "First-day questions for the learner-centered classroom"](#)

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