# Breaking the 4<sup>th</sup> Wall - The Sage Gets Upstaged

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# YORK

# Pre-transformation



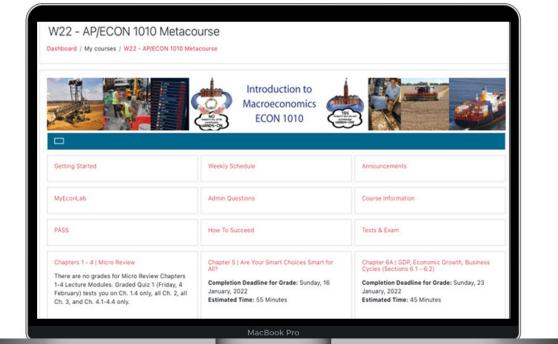
# Transformation - Key Components

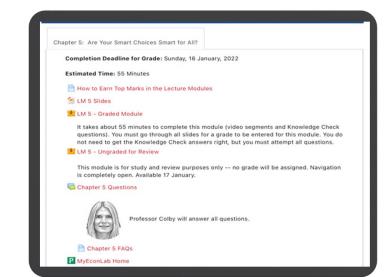
#### Team-Teaching Model



# Blended Format with Asynchronous Lectures

Asynchronous Lectures





**Chapter Resources** 

**Meta-Course Home Page** 

### Synchronous Active-Learning Tutorials

Synchronous Active Learning **Tutorials** 

tutorial groups of 100-130 Students meet with their

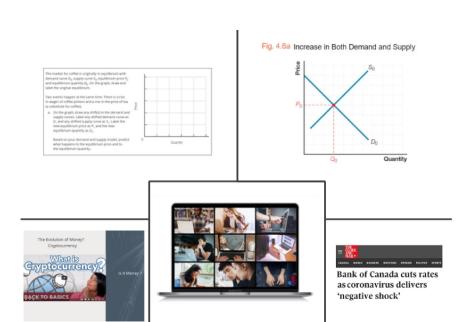
Each section split into 3 smaller

instructor each week for one 50-minute tutorial.

Instructors repeat same tutorial 3x per week.

participation.

iClicker to incentivize



Active Learning

We radically transformed our principles courses from a conventional multi-section, large-lecture, passive learning format, to a single meta-course for 3000 students that exploits economies of scale for a richer, more flexible, engaging,



Scan the QR code to download the Working

student experience.

#### **Meta-Course Evaluation**

Task	% of Course Grade	Date	Notes		
Lecture Modules/Knowledge Check Questions	7%	Weekly	Best 11 of 12		
MyEconLab Quizzes	15%	7 throughout course	Best 6 of 7 Prerequisites of Study Plan Mastery Points		
Test 1	15%	Sun, 23 October 2022, 9:00 AM – 10:00 AM Online	30 MC (25 common); 1.5 minutes/question; 6 rough work No going back; randomized  30 MC (25 common); 1.5 minutes/question; 6 rough work No going back; randomized  Best 9 of 10 Must answer all but 1 iClicker questions for participation mark		
Test 2	15%	Sun, 20 November 2022, 9:00 AM – 10:00 AM Online			
Tutorials (iClicker Questions)	15%	12 throughout course (Tutorials 0 & 1, Practice only)			
Final Exam	33%	Dec 8 – 23, 2022 90 minutes In-person	60 MC (50 common); 1.5 minutes/question; 6 rough work		

There are only two possible scores for each ose questions are designed to help you learn

You must finish all material by the completion due date on the Weekly Schedule and eClass

in a given session results in a score of 0 for

### Post-transformation - Results



#### Pre-Transformation vs Meta-Course Aggregate Student **Evaluations**

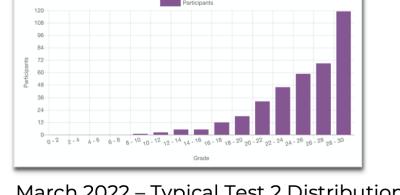
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	W		W	
Question	2019	2021	2019	2021
A comprehensive roadmap of the course (i.e., a syllabus or course outline, a breakdown				
with topics, assignments and exams etc.) was provided.	6.32	6.66	6.31	6.58
The roadmap provided was mostly followed.		6.67	6.21	6.57
Important policies and procedures (e.g., attendance, participation, missed tests, late				
assignments, contacting instructors, etc.) were stated in the course outline.	6.38	6.66	6.37	6.56
The course materials (e.g., course kits, textbooks, readings, audio visual materials, lab				
manuals, websites, etc.) helped me achieve the course objectives.		6.38	5.93	6.23
The course activities (e.g., lectures, discussions, simulations, assignments, exercises and				
presentations, etc.) helped me achieve the course objectives.	5.57	6.38	5.65	6.14
The course tests/exams or final paper/essay were directly related to the course				
objectives.	6.04	6.23	6.08	6.09
The course helped me grow intellectually.	5.7	6.33	5.67	6.13
			7-p	oint scale

"This was my favourite course over the semester. I love that it was presented in a metacourse style and love how there were ample opportunities to speak to instructors for clarification. The layout was easy to follow, interactive, and engaging, and having extra opportunities to gain marks has been super helpful throughout this pandemic."

"This was a great course because of how engaging it was. We had many things to encourage us to keep working such as the practice quizzes and the seminars. I was constantly engaged."

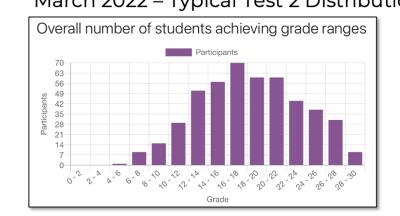
#### **Academic Integrity Issues Reduced**





· Tests consisted largely of publisher test bank questions

March 2022 - Typical Test 2 Distribution



- Create new multiple-choice test questions.
- Synchronous, timed tests; question pooling; randomized navigation; academic honesty/rough work sheet submissio
- Test distributions normal with averages in the mid 60s

#### **Scale Efficiencies**

