

A flipped classroom CHEM 1002 section Is available in Spring 2015!



Piloted in off-semester course in Fall 2014

Flipped classroom concept:

- No formal lecture meetings
- Lecture content available online 24/7 in short 15 minute videos with self-paced online quizzes to help you keep up with material, paired with online discussions
- Interactive learning facilitated through a weekly 75 minute discussion/problem solving session led by Professor

Traditional vs. flipped classroom

Traditional	Flipped
<ul style="list-style-type: none">• 150 min of lecture per week, 50 min discussion + online hw	<ul style="list-style-type: none">• 75 minute discussion, 3 video lectures + 3 online quiz
<ul style="list-style-type: none">• Professor teaches lecture, discussion led by TA	<ul style="list-style-type: none">• Discussion co-taught by Professor and TA's
<ul style="list-style-type: none">• Discussion problems written to correlate with that week's lecture material	<ul style="list-style-type: none">• Discussion problems developed "just in time" based on quizzes/posted questions online
<ul style="list-style-type: none">• Role of Professor: <i>"Wise sage up on the stage"</i>	<ul style="list-style-type: none">• Role of Professor: <i>"Helpful guide by your side"</i>
<ul style="list-style-type: none">• Students take notes in lecture to record content	<ul style="list-style-type: none">• All lecture content archived, available 24/7
<ul style="list-style-type: none">• No formal discussion groups	<ul style="list-style-type: none">• Formal discussion groups, rotated after each exam