

# WSCC Fellows Proposal Form

---

[Faculty should complete this form and forward via email to their department chair and/or division dean. Division deans will signify their support of the project by forwarding to Vickie Mills, Distance Education ([Vickie.Mills@ws.edu](mailto:Vickie.Mills@ws.edu) or extension 6996). Please contact David White (423-585-6765; [david.white@ws.edu](mailto:david.white@ws.edu)) or Andrea Isenberg (432-585-6767; [andrea.isenberg@ws.edu](mailto:andrea.isenberg@ws.edu)) with any questions.]

Name: Matthew Smith

Department: Natural Science/Chemistry

Phone: 6881

Email: [Matthew.Smith@ws.edu](mailto:Matthew.Smith@ws.edu)

Project Title: The Flipped Classroom: Is It Really Better Than Traditional Lecture?

Explain what you want to achieve and how:

I plan to "flip" my Organic Chemistry I course. This will shift mastery of general concepts and basic foundations to the student for completion prior to lecture, as opposed to having the basic concepts and foundations delivered in traditional lecture format. Notes will be created using PDF creators. Video explanations will be created using a Wacom pen and tablet in conjunction with Camtasia, or will be linked directly from YouTube. Educational and interactive websites will also be provided to the students. All material will be distributed using iTunes U and eLearn. Assessment of the students' grasp on the material they studied will be evaluated in several ways. First, GoClass can be used to reinforce topics and analyze how well the students understand the topic. Second, iPads will be used in combination with AppleTV to have the students work a problem and then present their answer to the class. Lastly, the best way to make sure one understands a topic is to verbally explain it to someone else. A portion of the course grade will come from providing oral answers to questions. This could be accomplished using a mobile device that can record audio and sending the file to me for grading. This would be beneficial to students down the road as it would aide in forming articulate and concise answers to questions during interviews for graduate schools or jobs.

Provide some background on how you came up with this project:

Flipping the classroom is all the rage now. It is presented at all conferences I attend. If so many are promoting it, I figured I should see what it is all about. The ideas above stemmed from combining the tools I already know how to use for mobile learning in order to build a class that will provide the student with the easiest access to the vast amount of material I cover with multiple avenues for studying it, so that all learning styles are included.

How will you evaluate the effectiveness of the project: (This portion of the plan will be completed after the summer IDT training)

The final exam for Organic Chemistry is standard and given every year. I will compare the results from last year where traditional lecture was used. Student opinions will also be collected to find out what they enjoy and find the most beneficial.

By submitting this form, I acknowledge and agree to abide by the terms of this proposal and WSCC Fellows Program. I will complete all assessment tools (reports and video). I have read and agree to the terms of the WSCC Intellectual Property Rights policy. Click [here](#) to read the WSCC Policy and Procedures Manual; search for page 189 and read "Intellectual Property Rights," or click [here](#) to read the TBR Intellectual Property Policy. I understand that to receive the stipend I must complete the project and present the findings at Inaugural Week.