

## IITG Project Outcomes Form

### Name of person reporting outcomes

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### IITG Project Title (truncated)

Creation Implementation and Assessment ... Laboratory Modules

### IITG Project Theme

Open Education Resources

### Do you wish your current abstract to be used?

Yes

### File One Upload and Brief Description

This powerpoint 'slide' is a poster that was presented at CIT 2013. It shares data that summarizes results from using pre-lab videos and pre-lab assignments for A&P lab. Results were encouraging in that shortening lab duration using pre laboratory assignments did not result in lower exam scores, and shorter labs were much preferred by students and teaching assistants. However, the results can be viewed differently. The results were discouraging in that students did not perform better!

The conclusions were that shortening lab remains a desirable goal and that pre-laboratory assignments should be better designed to incorporate what we currently know (from the literature) about teaching: active learning works best! So, we changed course and have attempted (and continue) to incorporate 'active' pre-laboratory assignments.

Adoption of modules by other faculty is surprisingly difficult!

### File One

- [CIT-2013.pptx](#)

### File Two Upload and Brief Description

This File outlines the content for the Getting Ready Video module. The assessment will allow students to self-evaluate their knowledge and skills which we (faculty) consider to be essential for success in this course. It includes math, chemistry, biology, and physics.

Once the assessment is complete short videos will be created. These will be made available for students that 'miss' several questions. In this way the assessment is 'smart' and it will offer help when needed. Best practices will be followed with the videos- they will be short and full of information, and will contain pointers to greater details.

Stay tuned- this is scheduled to be complete by January 1!

### File Two

- [Getting-Ready-for-AP-DRAFT.docx](#)

### Do you intend to create an ongoing "Community of Practice" within the SUNY Learning Commons to continue work and dialog regarding this project?

Yes

**Comments?**

This is an on-going project. Course redesign and implementation is extremely challenging with multiple faculty across 3 campuses. Further, creation of video modules proved more challenging than anticipated. Lastly, we learned that 'simple' and 'active' is best. To that end we are in the process of creating a 'getting ready for anatomy and physiology' module that will be portable and will be tested during the spring 2014 semester on 2 campuses. A professional video designer has been hired and scripts have been written. If this module is successful and if it is implemented by other faculty then we will be on the right track, and the preliminary studies will be a success. Further, the 'getting ready' module, which will enable students to self assess their knowledge for a required and challenging course, will be packaged in a DVD and will be made available for use. We also plan to create a youtube account with assessment capability to ease implementation across learning platforms.

last but not least we will create a video describing challenges, mistakes, and corrections for this project to serve as a guide for other faculty interested in developing video learning modules, but not knowing the challenges.

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