

Spring 2014_AME 2533_Dynamics

Challenge: I will be teaching the course for a first time and I am sure until I figure out best practices it will be error and trail through the semester. I don't want, however this to effect the learning experience of my students.

Solution: A comprehensive schedule, planned learning activities, and assessments before the semester starts will help me be adequately prepared. I plan to use project and problem based approach, working in small groups in class, and utilizing online modules with provided feedback. In addition, learning all students' names, what their learning styles are, and being available to help will hopefully help me encourage students to stay motivated through the semester.

Plan:

- Learning style survey prior to class
- Dynamics concept inventory (before and after the semester)
- Assign online homework with immediate feedback
- Students writing concept and open ended problems as a group
- Solving problem in class and letting students grade it
- One minute paper at the end of each class
- Have students work examples in small groups and get a group grade
- Using every day examples to explain concepts
- Let students create their own every day examples
- Small group project