

(mini-) Lesson

Fundamentals of Calculus I

Explaining a concept to others is an excellent way to solidify your own understanding.

Your task is to give a clear and engaging min-lesson:

- 8 minute (2 minutes for questions)
- one-page lesson plan

All classroom resources including the computer, projector, and board are at your disposal.

Assume your audience has not seen the material you are teaching.

Structure

1. **motivate:** Why should we study the topic?
2. **state and explain:** How does the concept relate to an idea we're familiar with?
3. **persuade:** Why are the statements about your topic true?
4. **engage:** Does your interactive activity effectively engage the audience with the topic?

Suggestions

An important aspect of your task is to determine which ideas are most important and how best to present them.

Examples are a useful way to make a concept clear.

Relating a concept to daily experience can make it click.

Pictures often capture a concept better than many words.

Grading

The assignment will count as 13% of your final grade.

Grading is based on the 4 parts outlined in the structure with emphasis on clearly, completely, and engagingly presenting the key ideas of the topic.