

## MAE 495 – Fall 2010

Instructor: Herrick Chang

### Lesson Plans & Problem Solving

#### Elements of a Lesson Plan

- Objective or Goal
- Rationale
- Content
- Scope & Sequence
- Reflection
- Assessment
- Ancillary materials/planning
- Transparency on Boardwork
- Methods

#### Problem Solving

- Recap Mini-lecture
  - Gauge student understanding from lecture
  - Reflect on previous material
  - Provide scope and sequence towards objective
- Example Driven discussions
  - Carefully choose examples
    - Emphasize concepts
    - Emphasize techniques and way of thinking
  - Allow students to work through problems in class with you.