

ECE 651  
Lecture 0: Introduction  
Notes Outline

- Big idea of this class:
  
  
  
  
  
  
  
  
  
  
- Main challenge/how to handle:
  
  
  
  
  
  
  
  
  
  
- What is OO Design?
  
  
  
  
  
  
  
  
  
  
- What is Requirements Definition?
  
  
  
  
  
  
  
  
  
  
- What is Design? (is all design OO design)?
  
  
  
  
  
  
  
  
  
  
- What is Implementation?
  
  
  
  
  
  
  
  
  
  
- **Think/Pair/Share** What do I remember about testing?
  - The goal of testing is...
  
  
  
  
  
  
  
  - Black box?
  
  
  
  
  
  
  
  - White box?

- How many test cases guarantee correctness?
- What is Maintenance?
- What is Project Management?
- **Think/Pair/Share** How does abstraction help each of these?
  - Requirements Definition
  - Design
  - Implementation
  - Testing
  - Maintenance
  - Working in Teams
  - Project Management
- **Think/Pair/Share** Talking about software engineering:
  - Why do I need to talk about software engineering?
  - Why is precise technical vocabulary so important?

– How can I best engage in discussions?

- My assignments for this course are:
- Late policy for this course:
- If I have exceptional circumstances, I should...
- Best strategies for managing multiple classes:
- Plans for doing work in this class more efficiently:
- Academic Integrity in this class:
- What follow up questions do I have from this class? How will I resolve each of them?