Testing

SWEN 256 – Software Process & Project Management
The V Model

- User Requirement
- Software Application
- High Level Design
- Detailed Design
- Coding
- Verification
- Integration testing plan
- Unit testing plan
- Unit Testing
- System Test Plan
- System Testing
- Integration Testing
- Acceptance Test Plan
- Acceptance Testing
- Validation
Largely derived from Process Model used by the team/organization
  - Should include when to test, who is responsible for testing, and what will be tested

What types of testing are appropriate?

“Using” Use Cases & Test Cases – What order, priority?

What are the testing-related risks?

Are there testing patterns and antipatterns that should be considered?

Are there Measurements and Metrics that should be recorded / utilized? Who records? When? What is done with the results?
Testing Sweet Spot

Quantity

Number of missed defects

Cost of testing

Amount of Testing

Under-testing

Optimal Amount of Testing

Over-testing
Questions/Discussion