

SE 4367, Software Testing Midterm Exam Review



Dr. Mark C. Paulk

SE 4367 – Software Testing, Verification, Validation, and Quality Assurance

SE 4367 Schedule

Class meets Tue/Thur 11:30-12:45 in ECSS 2.201

- you are expected to attend class

Tue, Jan 9 Classes begin

Tue, Feb 27 Midterm exam (in class)

March 12-18 Spring Break (no classes)

Thur, April 26 Last day of class

May 1, 11:00 Final exam (in class)

Lecture sequence: see eLearning Presentations folder

Exam Topics

Part I: Preliminaries

- 1. Software Testing**
- 2. Mathematical**

Part II: Test Generation

- 3. Domain Partitioning**
- 4. Predicate Analysis**

Peer Reviews

SQA

Problem Types

Statement, decision, condition coverage

McCabe cyclomatic complexity

Abstract syntax trees

Control flow graphs

Equivalence class partitioning

Boundary value analysis

Cause-and-effect graphs (decision tables)

Exam Groundrules

No cell phones or laptops

Closed book

One-page (front and back) set of notes may be used

Entire class period will be allowed

Bring a writing implement

- **pencil & eraser preferred**

Bring your Comet ID