

## COVERAGE FOR EXAM #1

CS 589; Fall 2021

Exam #1 will be held on **Monday, October 4, 2021** between **5:10-6:35p.m.**

Location: **At Home Exam**

The exam is an **OPEN books and notes** exam.

Coverage for the exam:

- Introduction to Software Testing (T1: Chapter 1)
- Specification-based testing (T1: Chapters 5, 6, and 7)
  - Equivalence testing (T1: Chapter 6)
    - Equivalence testing (T1: 6.1, 6.2)
    - Weak/Strong normal equivalence testing (T1: Sections: 6.3.1, 6.3.2, 6.8, 6.9)
    - Weak/Strong robust equivalence testing (T1: Sections: 6.3.3, 6.3.4, 6.8, 6.9)
  - Testing boundaries (T1: Chapter 5)
    - Normal Boundary Value Testing (T1: Section 5.1, 5.7)
    - Robust boundary value testing (T1: Section 5.2, 5.7)
    - Worst-Case boundary value testing (T1: Section 5.3, 5.7)
    - Robust worst-case testing (T1: 5.3, 5.7)
  - Decision Table-based Testing (T1: Chapter 7)
  - Cause-effect graph testing (T1: Section 7.5; Handout #1)

### Sources:

- [T1]: Paul C. Jorgensen and Byron DeVries, Software Testing. A Craftsman's Approach, Fifth Edition, Auerbach Publications, 2021, ISBN 9780367358495.
- Handouts posted on the blackboard
- Lecture Notes