SE/CS 6367 & SYSM 6310: Tentative Lecture Schedule

Class 1 (05/26/Tuesday)

- 130 min Live-online (Foundations of Software Testing)
- 60 min Video (Adaptive Random Testing)

Cumulative Count: 40 min extra

Class 2 (05/28/Thursday)

- 20 min Video (Using Mind Mapping to Design Test Cases)
- 20 min In-class exercise (Mind mapping)
- 10 min Discussion of Project 1
  End at 4:25 pm
- 100 min Video (Requirement-based Test Generation for Functional Testing)

Cumulative Count: 75 min extra

Class 3 (06/02/Tuesday)

- 196 min Video (Code Coverage Testing and Tool Support)

Cumulative Count: 120 min extra

Class 4 (06/04/Thursday)

- 70 min Video (Controlflow-based Coverage Criteria)
- 20 min In-class (Coverage Adequacy Criteria)
- 20 min Discussion of in-class exercise

Cumulative Count: 80 min extra

Class 5 (06/09/Tuesday)

- 15 min Live-online discussion of Project 2
- 15 min Live-online discussion of xSuds toolsuite
- 115 min In-class exercise (Coverage-based Testing)

Cumulative Count: 75 min extra

Class 6 (06/11/Thursday)

- 0 min Reading Materials (Dataflow-based Coverage Criteria)
- 0 min Reading Materials (Test Adequacy Measurement and Enhancement)
- 0 min Reading Materials (Selected chapters from reference books)
- 80 min Video (Coverage Testing SDL Models (Architectural Design-based)
- 90 min Live-online (Combinatorial Testing & its Application)

Cumulative Count: 95 min extra

Class 7 (06/16/Thesday)

- 120 min In-class exercise (Combinatorial Testing: A Hands-on Tutorial)
  In-class exercise (Combinatorial Testing)

Cumulative Count: 65 min extra

Class 8 (06/18/Thursday)

- 143 min Video (Regression Testing)
- 27 min In-class exercise (Regression Testing)
- 0 min Topics of term papers due

Cumulative Count: 85 min extra

Class 9 (06/23/Tuesday)

- 175 min Video (Mutation Testing)

Cumulative Count: 110 min extra

Class 10 (06/25/Thursday): Exam I

Cumulative Count: 0 min

Class 11 (06/30/Tuesday):

- 175 min Video (Software Fault Localization)
- 25 min In-class exercise (Slicing-based Software Fault Localization)
- 20 min Discussion of Project 3

Cumulative Count: 180 min extra