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)

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
- 100 min — Video (Requirement-based Test Generation for Functional Testing)

Class 3 (06/02/Tuesday)

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

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

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)

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)

Class 7 (06/16/Thesday)

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

Class 8 (06/18/Thursday)

- 143 min — Video (Regression Testing) (moved to 06/23/Tuesday)
- 27 min — In-class exercise (Regression Testing) (moved to 06/23/Tuesday)
- Additional time for Combinatorial Testing
- Topics of term papers due

Class 9 (06/23/Tuesday)

- 143 min — Video (Regression Testing)
- — In-class exercise (Regression Testing)
- 175 min — Video (Mutation Testing) (cancelled)

Class 10 (06/25/Thursday):

- 143 min — Video (Regression Testing) (cont'd)
- — Review

Class 11 (06/30/Tuesday): Exam I

Class 12 (07/02/Thursday)

- 175 min — Video (Software Fault Localization)
- 25 min — In-class exercise (Slicing-based Software Fault Localization)
- 20 min — Discussion of Project 3
- — Special lecture by Mark Bentsen (Argo Data)