

CSCE 747 - Preliminary Course Schedule

Note that the lecture plan may change based on the availability of potential guest speakers or to facilitate more explanation of certain topics. Assignment due dates are tentative. Updated versions of this schedule will be distributed on Moodle as details are finalized.

Lecture	Date	Topic	Note
1	01/16	Course Overview: Verification and Validation	
2	01/18	Testing Fundamentals	
3	01/23	Modeling Software	Last day to drop without "W" (01/22)
4	01/25	Functional Testing	Team Selections Due
5	01/30	Combinatorial Testing	Reading Assignment 1 Due`
6	02/01	Structural Testing	
7	02/06	Structural Testing: Path-Based Metrics	
8	02/08	Masking and Data Flow	Assignment 1 Due
9	02/13	Data Flow Analysis	
10	02/15	Data Flow Testing	Reading Assignment 2 Due
11	02/20	Model-Based Testing: Finite State Machines	
12	02/22	Model-Based Testing: Decision Structures and Grammars	
13	02/27	Test Oracles	
14	03/01	Fault-Based Testing	Assignment 2 Due
15	03/06	Midterm Review	
16	03/08	Midterm Exam	Last day to drop without "WF" (03/09)

	03/13	No Class - Spring Break	
	03/15	No Class - Spring Break	
17	03/20	Test Execution and Automation	
18	03/22	Testing Object-Oriented Software	
19	03/27	Testing Object-Oriented Software	
20	03/29	Finite State Verification	
21	04/03	Finite State Verification	Assignment 3 Due
22	04/05	Symbolic Execution and Proof of Properties	
23	04/10	Program Analysis	Reading Assignment 3 Due
24	04/12	Automated Test Case Generation	
25	04/17	Automated Test Case Generation	Assignment 4 Due
26	04/19	Release and Post-Release Testing	
27	04/24	Dependability and Statistical Testing	Reading Assignment 4 Due
28	04/26	Final Review	
	05/03	Final Exam (9:00 - 11:30 AM)	