**CSCE 740 - 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 | 08/18 | Course Overview, Software Product and Principles |  |
| 2 | 08/23 | Planning and Development Processes | Last day to drop/add without “W” (08/24) |
| 3 | 08/25 | Agile Processes |  |
| 4 | 08/30 | Software Requirements | Team Selection Due |
| 5 | 09/01 | Writing Requirements |  |
| 6 | 09/06 | Requirements Elicitation | Digital Elicitation Opens |
| 7 | 09/08 | Requirements Refinement and Testability |  |
| 8 | 09/13 | Requirements-based Testing |  |
| 9 | 09/15 | The World-Machine Model |  |
| 10 | 09/20 | Requirements Modeling and Verification | Project 1 Due - 09/18 |
| 11 | 09/22 | Design Fundamentals |  |
| 12 | 09/27 | Software Architecture |  |
| 13 | 09/29 | Midterm Review | Project 2 Due - 10/02 |
| 14 | 10/04 | **Midterm Exam** |  |
| 15 | 10/06 | OO Overview, Class Diagrams | Last day to drop without “WF” (10/10) |
| 16 | 10/11 | Object Modeling |  |
|  | 10/13 | **No Class - Fall Break** |  |
| 17 | 10/18 | Interaction Diagrams |  |
| 18 | 10/20 | Design Patterns |  |
| 19 | 10/25 | Design Patterns (Part 2) |  |
| 20 | 10/27 | From Design to Implementation | Project 3 Due - 10/27 |
| 21 | 11/01 | Testing Fundamentals |  |
| 22 | 11/03 | Structural Testing |  |
|  | 11/08 | **No Class - Election Day** |  |
| 23 | 11/10 | Testing Strategies and Automation |  |
| 24 | 11/15 | Software Test Oracles |  |
| 25 | 11/17 | Reliability/When to Stop Testing | Project 4 Due - 11/17 |
| 26 | 11/22 | **No Class - Instructor Traveling**  **Recommended Work Day** |  |
|  | 11/24 | **No Class - Thanksgiving Break** |  |
| 27 | 11/29 | Software (Re)Engineering |  |
| 28 | 12/01 | Course Review |  |
|  | 12/06 | **Final Exam (9:00 - 11:30 AM)** | Project 5 Due - 12/06 |