**CSCE 247 - 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.

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| **Lecture** | **Date** | **Topic** | **Note** |
| 1 | 01/14 | Course Overview, Software Product and Principles |  |
| 2 | 01/16 | Software Requirements |  |
|  | 01/21 | **No Class - Dr. Martin Luther King, Jr. Service Day** | * Team Selection Due * Last day to drop/add without “W” (01/22) |
| 3 | 01/23 | Writing Requirements |  |
| 4 | 01/28 | Requirements Elicitation | Online Elicitation Session Opens |
|  | 01/30 | **No Class - Professor Travelling** |  |
| 5 | 02/04 | Requirements Refinement and Testability |  |
| 6 | 02/06 | Source Control and Project Management Support | Project 1 Due |
| 7 | 02/11 | Testing Fundamentals |  |
| 8 | 02/13 | Test Execution and Automation |  |
| 9 | 02/18 | Unit Testing Laboratory |  |
| 10 | 02/20 | Build Systems and Continuous Integration |  |
| 11 | 02/25 | Design Fundamentals | Project 2 Due |
| 12 | 02/27 | Software Architecture |  |
| 13 | 03/04 | Midterm Review | Last day to drop without “WF” |
| 14 | 03/06 | **Midterm Exam** |  |
|  | 03/11 | **No Class - Spring Break** |  |
|  | 03/13 | **No Class - Spring Break** |  |
| 15 | 03/18 | OO Overview, Class Diagrams |  |
| 16 | 03/20 | Object Modeling |  |
| 17 | 03/25 | Design Patterns |  |
| 18 | 03/27 | Design Patterns (Part 2) |  |
| 19 | 04/01 | Design Patterns (Part 3) |  |
| 20 | 04/03 | Design Patterns (Part 4) |  |
| 21 | 04/08 | From Design to Implementation |  |
| 22 | 04/10 | Requirements-based Testing |  |
| 23 | 04/15 | Structural Testing |  |
| 24 | 04/17 | Structural Testing (Part 2) |  |
| 25 | 04/22 | Dependability and When to Stop Testing |  |
| 26 | 04/24 | Software (Re)Engineering |  |
| 27 | 04/29 | Final Review |  |
|  | 05/06 | **Final Exam (4:00 - 6:30 PM)** |  |