**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 | Project Support: Version Control and Issue Tracking |  |
| 6 | 02/06 | Testing Fundamentals |  |
| 7 | 02/11 | Requirements Refinement and Testability | Project 1 Due (2/10) |
| 8 | 02/13 | Requirements-based Testing |  |
| 9 | 02/18 | Project Automation: Unit Testing |  |
| 10 | 02/20 | Project Automation: Build Systems and Continuous Integration |  |
| 11 | 02/25 | Unit Testing Laboratory |  |
| 12 | 02/27 | Design Fundamentals |  |
| 13 | 03/04 | Midterm Review | * Project 2 Due (3/03) * 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 | Software Architecture |  |
| 16 | 03/20 | OO Overview, Class Diagrams |  |
| 17 | 03/25 | Object Modeling |  |
| 18 | 03/27 | Design Patterns |  |
| 19 | 04/01 | Design Patterns (Part 2) |  |
| 20 | 04/03 | Design Patterns (Part 3) |  |
| 21 | 04/08 | From Design to Implementation | Project 3 Due (04/07) |
| 22 | 04/10 | Structural Testing |  |
| 23 | 04/15 | Structural Testing (Part 2) |  |
| 24 | 04/17 | Software Test Oracles |  |
| 25 | 04/22 | Dependability and When to Stop Testing | Project 4 Due (04/21) |
| 26 | 04/24 | Software (Re)Engineering |  |
| 27 | 04/29 | Final Review |  |
|  | 05/06 | **Final Exam (4:00 - 6:30 PM)** | Project 5 Due (05/05) |