**CSCE 742 - 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 | 08/23 | Introduction to Software Architecture |  |
| 2 | 08/28 | Introduction to Architectural Definition and Styles | Last day to drop without “W” (08/29) |
| 3 | 08/30 | Viewpoints and Perspectives |  |
| 4 | 09/04 | Architecture Definition | **Team Selections Due** |
|  | 09/06 | **Instructor Travelling - No Class** | **Reading Assignment 1 Due** |
|  | 09/11 | **Class Cancelled - Hurricane** |  |
|  | 09/13 | **Class Cancelled - Hurricane** |  |
| 5 | 09/18 | Setting Context and Identifying Stakeholders |  |
| 6 | 09/20 | Concerns, Principles, and Decisions | **Project Part 1 Due (9/21)** |
| 7 | 09/25 | Identifying and Using Scenarios |  |
| 8 | 09/27 | Viewpoint: Functional |  |
| 9 | 10/02 | Viewpoint: Functional | **Assignment 1 Due (10/02)** |
| 10 | 10/04 | Architectural Style: Representational State Transfer (REST) |  |
| 11 | 10/09 | Viewpoint: Information |  |
| 12 | 10/11 | **Class Cancelled - Hurricane** | **Project Part 2 Due** |
| 13 | 10/16 | Midterm Review | Last day to drop without “WF” (10/15) |
|  | 10/18 | **Fall Break - No Class** |  |
| 13 | 10/23 | **Midterm Exam** |  |
| 14 | 10/25 | Viewpoint: Concurrency | **Assignment 2 Due** |
| 15 | 10/30 | Viewpoints: Development and Deployment |  |
| 16 | 11/01 | Viewpoints: Deployment and Operational | **Reading Assignment 2 Due** |
|  | 11/06 | **Election Day - No Class** |  |
| 17 | 11/08 | Perspective: Performance and Scalability |  |
| 18 | 11/13 | Perspective: Security |  |
| 19 | 11/15 | Perspective: Availability | **Project Part 3 Due (11/18)** |
| 20 | 11/20 | Architectural Style: Embedded Systems (Real-Time Architectures/AADL) |  |
|  | 11/22 | **Thanksgiving Break - No Class** |  |
| 21 | 11/27 | Architectural Style: Embedded Systems (AADL/AGREE) | **Reading Assignment 3 Due** |
| 22 | 11/29 | Architectural Style: Service-Oriented Architectures |  |
| 23 | 12/04 | Machine Learning for Software Architects  **(Guest Lecture: Dr. Jamshidi)** |  |
| 24 | 12/06 | Final Review | **Project Part 4 Due (12/06)**  **Assignment 3 Due (12/09)** |
|  | 12/11 | **Final Exam (9:00 - 11:30 AM)** |  |