University of North Carolina at Charlotte
College of Computing and Informatics
Department of Software and Information Systems

ITIS 3300: Software Requirements and Project Management

(Fall 2024)

Course Schedule

The following table provides an outline for the topics and activities that will be delivered during each module for this course. Any changes on the given dates will be updated accordingly and announced on Canvas.

*__Book__: Requirements Engineering for Software and Systems, 4th Edition (Phillip A. Laplante and Mohamad H. Kassab)

Calendar	Topic	Ref.	Activities/Notes/Submissions
Week-1 (8/20)	**Syllabus Overview/Team Formation and Interviews** - Lecture 1: Project Configuration Management - Lecture 2: Project Planning		GitHub Setup Trello Setup
Week 2 (8/27)	**Project Cost Estimation, Scheduling and Risks** - Lecture 3: Project Cost Estimation - Lecture 4: Project Scheduling & Risk Analysis - Post-Lecture In-Class Activity (Unscored Quiz-1)	*Ch-11	**Reading**: "Software Risk Management: Principles and Practices" (IEEE) **Individual Assignment 1: Due (8/27)** **Member List: Due (8/27)**
Week 3 (9/3)	**Process Models** - Lecture 5: Process Models - Post-Lecture In-Class Activity (Unscored Quiz-2)	*Ch-1	**Team Deliverable-1: Proposal, Due (9/6)** **PowerPoint (Team Deliverable-1), Due (9/6)** **Peer Evaluation (Team Deliverable-1), Due (9/6)**

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Week 4 (9/10)	**Requirements Elicitation** • Lecture 6: Introduction to Software Requirements • Lecture 7: Preparing for Software Requirements Elicitation • Lecture 8: Capturing Software Requirements • Post-Lecture In-Class Activity (Unscored Quiz-3)	*Ch-2 *Ch-3 *Ch-5	**Reading**: "Elicitation Technique Selection: How Do Experts Do It? (IEEE) **Appendix E (from the Book)** **Individual Assignment 2: Due (9/10)**
Week 5 (9/17)	**Requirements and OO Analysis** • Lecture 9: Requirements Analysis • Lecture 10: Object-Oriented Analysis • Post-Lecture In-Class Activity (Unscored Quiz-4)	*Ch-4	**Appendix C (from the Book)** **Tutorial Notes**: ER & Class Diagram **Team Deliverable-2, Due (9/17)** **Peer Evaluation (Team Deliverable-2), Due (9/17)**
Week 6 (9/24)	**Requirements Modeling** • Lecture 11: Requirements Modeling Behavior and Patterns • Lecture 12: Requirements Modeling Relationships • Post-Lecture In-Class Activity (Unscored Quiz-5)		**Appendix C (from the Book)** **Tutorial Notes:** Use Cases & Sequence Diagram
Week 7 (10/1)	**Requirements Specification, Verification & Validation** • Lecture 13: Requirements Specifications • Lecture 14: Requirements Verification and Validation • Post-Lecture In-Class Activity (Unscored Quiz-6)	*CH-6 *CH-8	
Week 8 (10/8)	**ONLINE via ZOOM - Tuesday, October 8th** (**40 questions**-online via CANVAS, starting after the in-class discussion. The exam must be taken during class time with the camera on. **Lock Down browser is not required.** **Note:** Two randomly selected questions from each of the previous quizzes (i.e., Quiz 1 to Quiz 6) will be included verbatim in the midterm. These will account for 12 out of the 40 total questions. **Two bonus questions** will be included, each worth **2 pts**.		**MID-TERM EXAM**
Week 9 (10/15)	**Student Recess–No Class**		

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Week	Topic		Assignments/Due Dates
Week 10 (10/22)	**Software Architecture** • Lecture 15: Software Architectures & Architectural Styles • Post-Lecture In-Class Activity (Unscored Quiz-7)		**Individual Assignment 3: Due (10/22)**
Week 11 (10/29)	**Software Design** • Lecture 16: Designing the Modules • Post-Lecture In-Class Activity (Unscored Quiz-8)		**Team Deliverable-3, Due (10/29)** **Peer Evaluation (Team Deliverable-3), Due (10/29)**
Week 12 (11/5)	**Introduction to Software Testing and Testing Strategies** • Lecture 17: Introduction to Software Testing • Lecture 18: Software Testing Strategies • Post-Lecture In-Class Activity (Unscored Quiz-9)		
Week 13 (11/12)	**Software Testing Levels** • Lecture 19: Unit Testing • Lecture 20: Functional Testing • Post-Lecture In-Class Activity (Unscored Quiz-10)		**Individual Assignment 4: Due (11/12)**
Week 14 (11/19)	**In-Class Group Project Presentations (1st Half of the Groups)**		**Team Deliverable-4, Due (11/19)** **Peer Evaluation (Team Deliverable-4), Due (11/19)** **PowerPoint Slides: Due (11/18)**
Week 15 (11/26)	**In-Class Group Project Presentations (2nd Half of the Groups)**		**PowerPoint Slides: Due (11/25)**
Week 16 (12/3)	**Course Wrap Up** • Course Review & Final Exam Prep (no slides)		**Final Project: Team Deliverable-5, Due (12/3)** **Peer Evaluation (Team Deliverable-5), Due (12/3)**
Week 17 (12/10)	**ONLINE via ZOOM** **Tuesday, December 10th**		**FINAL EXAM** **5:00 p.m. – 7:30 p.m.**

Dates to Note:

- 11/27 to 11/30 – Thanksgiving Break
- 12/4 – Last Day of Classes
- 12/5 – Reading Day (i.e., this is your day to study and prepare for your exams)