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

ITIS 3300 (Sec 001)

Software Requirements, Analysis and Testing

(Fall 2025)

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 (8/18)	**Syllabus Overview/Team Formation and Interviews** • Lecture 1: Project Configuration Management • In-Class Activity: Team Formation & Team Interview		GitHub Setup & Trello Setup **Group Project Member List-in Class: Due (8/18)**
Week 2 (8/25)	**Project Planning, Cost Estimation, and Risks** • Lecture 2: Project Planning and Control • Lecture 3: Project Cost Estimation and Risks • In-Class: Group Activity (Setting Up Group Goals & Roles) • Post-Lecture In-Class Activity (Unscored Quiz-1)	*Ch-11	**Individual Assignment 1: Due (8/24)**
Week 3 (9/1)	Labor Day-No classes		
Week 4 (9/8)	**Software Processes** • Lecture 4: Software Processes • Post-Lecture In-Class Activity (Unscored Quiz-2)	*Ch-1	**Team Deliverable-1: Proposal, Due (9/7)** **PowerPoint (Team Deliverable-1), Due (9/7)** **Peer Evaluation (Team Deliverable-1), Due (9/7)**

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

Week 5 (9/15)	**Introduction to Software Requirements** • Lecture 5: Introduction to Software Requirements • Lecture 6: Preparing for Software Requirement Elicitation • Post-Lecture In-Class Activity (Unscored Quiz-3)	*Ch-2 *Ch-3	**Recommended Reading**: "Elicitation Technique Selection: How Do Experts Do It? (IEEE) **Individual Assignment 2: Due (9/14)**
Week 6 (9/22)	**Software Requirements Elicitation** • Lecture 7: Capturing Software Requirements • Post-Lecture In-Class Activity (Unscored Quiz-4)	*Ch-5	**Team Deliverable-2, Due (9/21)** **Peer Evaluation (Team Deliverable-2), Due (9/21)**
Week 7 (9/29)	**Software Requirements and OO Analysis** • Lecture 8: Software Requirements Analysis • Lecture 9: Software Requirements OO Analysis • Post-Lecture In-Class Activity (Unscored Quiz-5)		**Tutorial Notes**: ER & Class Diagram
Week 8 (10/6)	**Software Requirements Modeling** • Lecture 10: Requirements Modeling Behavior and Patterns • Lecture 11: Requirements Modeling Relationships • Post-Lecture In-Class Activity (Unscored Quiz-6)	*CH-6 *CH-8	**Tutorial Notes:** Use Cases & Sequence Diagram
Week 9 (10/13)	**MIDTERM EXAM PROCEDURES:** (**40 questions**-online via CANVAS, starting after the in-class discussion. The exam must be taken during class, and everyone should bring their laptops. **Lock Down browser is 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 10 (10/20)	**Software Requirements Specification, Verification & Validation** • Lecture 12: Software Requirement Specifications • Lecture 13: Software Requirements V&V • Post-Lecture In-Class Activity (Unscored Quiz-7)		**Individual Assignment 3: Due (10/19)**

Week 11 (10/27)	**Mapping Software Requirements to Designed Modules** • Lecture 14: Designing the Modules Post-Lecture In-Class Activity (Unscored Quiz-8)		
Week 12 (11/3)	**Introduction to Software Testing and Testing Strategies** • Lecture 15: Introduction to Software Testing • Lecture 16: Software Testing Strategies • Post-Lecture In-Class Activity (Unscored Quiz-9)		**Team Deliverable-3, Due (11/2)** **Peer Evaluation (Team Deliverable-3), Due (11/2)**
Week 13 (11/10)	**Software Testing Levels** • Lecture 17: Unit Testing • Lecture 18: Functional Testing • Post-Lecture In-Class Activity (Unscored Quiz-10)		**Individual Assignment 4: Due (11/9)**
Week 14 (11/17)	• **In-Class Group Project Presentations (1st Half of the Groups)**		**Team Deliverable-4, Due (11/16)** **Peer Evaluation (Team Deliverable-4), Due (11/16)** **PowerPoint Slides: Due (11/16)**
Week 15 (11/24)	• **In-Class Group Project Presentations (2nd Half of the Groups)**		**PowerPoint Slides: Due (11/23)**
Week 16 (12/1)	**Course Wrap Up** Course Review & Final Exam Prep (no lecture slides)		**Final Project: Team Deliverable-5, Due (12/2)** **Peer Evaluation (Team Deliverable-5), Due (12/2)**
Week 17 (12/8)	**FINAL EXAM**		**Monday, December 8th** **2:00 p.m. – 4:30 p.m.**

Dates to Note:

- 11/26 to 11/29 – Thanksgiving Break
- 12/2 – Last Day of Classes
- 12/3 – Reading Day (i.e., this is your day to study and prepare for your exams)