

ITIS 3300 (Sec 091)

Software Requirements, Analysis and Testing

(Spring 2026)

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 (1/12)	Syllabus Overview/Team Formation and Interviews <ul style="list-style-type: none"> Lecture 1: Project Configuration Management In-Class Activity: Team Formation & Team Interview 		GitHub Setup & Trello Setup Group Project Member List-in Class: Due (1/12)
Week 2 (1/19)	Dr. Martin Luther King Jr. Day (University Closed)		
Week 3 (1/26)	Project Planning, Cost Estimation, and Risks <ul style="list-style-type: none"> Lecture 2: Project Planning and Control Lecture 3: Project Cost Estimation and Risks In-Class: Group Activity (Setting Up Groups & Roles) Post-Lecture In-Class Activity (Quiz-1) 	*Ch-11	Individual Assignment 1: Due (1/25)
Week 4 (2/2)	Software Processes <ul style="list-style-type: none"> Lecture 4: Software Processes Post-Lecture In-Class Activity (Quiz-2) 	*Ch-1	Team Deliverable-1: Proposal, Due (2/1) PowerPoint (Team Deliverable-1), Due (2/1) Peer Evaluation (Team Deliverable-1), Due (2/1)
Week 5 (2/9)	Introduction to Software Requirements <ul style="list-style-type: none"> Lecture 5: Introduction to Software Requirements Lecture 6: Preparing for Software Requirement Elicitation Post-Lecture In-Class Activity (Quiz-3) 	*Ch-2 *Ch-3	Recommended Reading: “Elicitation Technique Selection: How Do Experts Do It?” (IEEE) Individual Assignment 2: Due (2/8)

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Week 6 (2/16)	Software Requirements Elicitation <ul style="list-style-type: none"> Lecture 7: Capturing Software Requirements Post-Lecture In-Class Activity (Quiz-4) 	*Ch-5	Team Deliverable-2, Due (2/15) Peer Evaluation (Team Deliverable-2), Due (2/15)
Week 7 (2/23)	Software Requirements and OO Analysis <ul style="list-style-type: none"> Lecture 8: Software Requirements Analysis Lecture 9: Software Requirements OO Analysis Post-Lecture In-Class Activity (Quiz-5) 		Tutorial Notes: ER & Class Diagram
Week 8 (3/2)	MIDTERM EXAM PROCEDURES: (40 questions-online via CANVAS. The exam must be taken during class, and everyone should bring their laptops. Lock Down browser is required and must be installed in your laptops before exam. Note: Two randomly selected questions from each of the previous quizzes (i.e., Quiz-1 to Quiz-5) will be included verbatim in the midterm. These will account for XX out of the 40 total questions. Two bonus questions will be included, each worth 2 pts.		MID-TERM EXAM
Week 9 (3/9)	Student Spring Recess – No Classes		
Week 10 (3/16)	Software Requirements Modeling <ul style="list-style-type: none"> Lecture 10: Requirements Modeling Behavior and Patterns Lecture 11: Requirements Modeling Relationships Post-Lecture In-Class Activity (Quiz-6) 	*CH-6 *CH-8	Tutorial Notes: Use Cases & Sequence Diagram
Week 10 (3/23)	Software Requirements Specification, Verification & Validation <ul style="list-style-type: none"> Lecture 12: Software Requirement Specifications Lecture 13: Software Requirements V&V Post-Lecture In-Class Activity (Quiz-7) 		Individual Assignment 3: Due (3/22)
Week 11 (3/30)	Mapping Software Requirements to Designed Modules <ul style="list-style-type: none"> Lecture 14: Designing the Modules Post-Lecture In-Class Activity (Quiz-8) 		

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Week 12 (4/6)	Introduction to Software Testing and Testing Strategies <ul style="list-style-type: none"> Lecture 15: Introduction to Software Testing Lecture 16: Software Testing Strategies Peer Review Code Inspection (In-Class Activity) Post-Lecture In-Class Activity (Quiz-9) 		Team Deliverable-3, Due (4/5) Peer Evaluation (Team Deliverable-3), Due (4/5)
Week 13 (4/13)	Software Testing Levels <ul style="list-style-type: none"> Lecture 17: Unit Testing Lecture 18: Functional Testing Post-Lecture In-Class Activity (Quiz-10) 		Individual Assignment 4: Due (4/12)
Week 14 (4/20)	<ul style="list-style-type: none"> In-Class Team Project Presentations 		Team Deliverable-4, Due (4/19) Peer Evaluation (Team Deliverable-4), Due (4/19) Team Project Presentation PPT Slides: Due (4/19)
Week 15 (4/27)	Course Wrap Up <ul style="list-style-type: none"> Course Review & Final Exam Prep (no lecture slides) 		Final Project: Team Deliverable-5, Due (4/26) Peer Evaluation (Team Deliverable-5), Due (4/26)
Week 16 (5/4)	FINAL EXAM		Monday, May 4th 5:00 p.m. – 7:30 p.m.

Dates to Note:

- 1/19 – Dr. Martin Luther King Jr. Day (University Closed)
- 3/9 – 3/14 – Student Spring Recess (No Classes)
- 4/10 – 4/11 – Refresh Weekend (No Classes)
- 4/29 – Last Day of Classes
- 4/30 – Reading Day (i.e., this is your day to study and prepare for your exams)