

CS 4421 and CS 5599 – Fall 2019

Software Architecture and Requirements Engineering

Academic Events

- **August 19 – Fall Classes Begin**
 - **August 30 – Last day to register, add/drop, change section or audit full semester courses. Also, last day to submit Idaho Residency Determination Worksheet with documentation to the Registrar**
 - **September 2 – Labor Day holiday (no classes)**
 - **September 3 – Last day to file application for December graduation**
 - **October 7-11 – Mid-term week**
 - **October 21 – Spring 2020 Class Schedule viewable online**
 - **October 25 – Last day to WITHDRAW from full semester courses**
 - **November 4 – Class level registration begins for Spring 2020**
 - **November 25-29 – Fall recess (no classes)**
 - **December 2 – Course grading opens**
 - **December 2-6 – Closed Week**
 - **December 9 – Summer 2020 Class Schedule viewable online**
 - **December 9-13 – FINAL Examinations**
 - **December 13 – Fall Classes End**
 - **December 20 – Fall grades post to student transcript**
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Course Schedule

Week	Date	Topic	Reading
1	08/20: T	Introduction	
	08/22: R	Business Requirements	
2	08/27: T	Req't's Elicitation and Documenting	
	08/29: R	Validating and Tracing Req'ts	
3	09/03: T	Requirements Modeling	
	09/05: R	Requirements Management and Tools	
4	09/10: T	Requirements and Risk Analysis	
	09/12: R	Architectural Design	
5	09/17: T	Architectural Design Process	
	09/19: R	Architectural Design Process	
6	09/24: T	Case Studies	
	09/26: R	Case Studies	
7	10/01: T	Case Studies	
	10/03: R	Design Methods	
Midterm	10/08: T	Midterm Review	
	10/10: R	Midterm Exam	
9	10/15: T	Design Methods	
	10/17: R	Analysis	
10	10/22: T	Analysis	
	10/24: R	Documenting	
11	10/29: T	Documenting	
	10/31: R	Software Quality and Tactics	
12	11/05: T	Layers and Event-Driven Architecture	
	11/07: R	MVC, MCP, MVVM	
13	11/12: T	Command-Query and Service-Oriented	
	11/14: R	Monoliths vs. Microservices	
14	11/19: T	Serverless and Cloud Native	
	11/21: R	DevOps and Architecture	
Fall Recess			
Closed	12/03: T	DevOps Continued	
	12/05: R	Evolutionary Architectures	
Finals	12/13: F	Final Exam @ 1000 – 1200	

Assignment Schedule

Note: All assignments are due at 2300 of the day they are marked due in the following table.

Week	Date	Assigned	Due
1	08/19: M	HW 00, P 01	
2	08/26: M	HW 01	HW 00
3	09/02: M		
4	09/09: M	HW 02	HW 01
5	09/16: M	P 02	P 01
6	09/23: M	HW 03	HW 02
7	09/30: M		
Midterm	10/07: M	HW 04	HW 03
9	10/14: M	P 03	P 02
10	10/21: M	HW 05	HW 04
11	10/28: M		
12	11/04: M	HW 06	HW 05
13	11/11: M	P 04	P 03
14	11/18: M	HW 07	HW 06
Fall Recess			
Closed	12/06: F		HW 07
Finals	12/13: F	Final Exam	