



**Idaho State  
University**

**Software  
Engineering**

# Software Construction and Configuration Management

SE 5520 – Fall 2021

## 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

## Part 01 - Software Contruction

Week	Date	Topic	Reading
1	M	Introduction & SDLC	HFSD Ch 1
	W	Process Models and Process Improvement	HFSD Ch 3
	F	Process Models and Process Improvement	HFSD Ch 3
2	M	Planning and Project Management	HFSD Ch 6-6.5
	W	Version Control and Build	HFSD Ch 2
	F	Process Models and Process Improvement	HFSD Ch 3
3	M	Requirements Elicitation	HFSD Ch 4
	W	Requirements Modeling	HFSD Ch 3; UML Ch 3
	F	Process Models and Process Improvement	HFSD Ch 3
4	M	Design Principles	
	W	OOAD and Intro to UML	UML Ch 1,2
	F	Process Models and Process Improvement	HFSD Ch 3
5	M	Class Diagrams	UML Ch 4
	W	Sequence Diagrams	UML Ch 5
	F	Process Models and Process Improvement	HFSD Ch 3
6	M	Activity Diagrams	UML Ch 6
	W	Putting Diagrams Together	UML Ch 8,9
	F	Process Models and Process Improvement	HFSD Ch 3
7	M	Design Patterns	HFDP Ch 1,2
	W	Design Patterns	HFDP Ch X,X
	F	Process Models and Process Improvement	HFSD Ch 3
8	M	Tools, Environments, Project Kickoff	Handout
	W	Iteration Completion and Planning	HFSD Ch 10-11
	F	Process Models and Process Improvement	HFSD Ch 3
<b>Midterm</b>	M	Midterm Review	
	W	<b>Midterm Exam</b>	
	F	Process Models and Process Improvement	HFSD Ch 3

## Part 02 - Software Configuration Management

Week	Date	Topic	Reading
10	M	HCI I - Foundations	Handout
	W	HCI II - Interaction	Handout
	F	Process Models and Process Improvement	HFSD Ch 3
11	M	Verification and Validation	HFSD Ch 7-8
	W	Testing, TDD, and CI	HFSD Ch 8-9
	F	Process Models and Process Improvement	HFSD Ch 3
12	M	Software Quality and Measurement	Handout
	W	Software Quality and Measurement	Handout
	F	Process Models and Process Improvement	HFSD Ch 3
13	M	Software Evolution	HFSD Ch 11; Handout
	W	Refactoring	HFSD Ch 10
	F	Process Models and Process Improvement	HFSD Ch 3
14	M	Refactoring and Technical Debt	HFSD Ch 10; Handout
	W	Software Reuse and Risk	Handout
	F	Process Models and Process Improvement	HFSD Ch 3
<b>Fall Recess Closed</b>	M	Project Presentations	
	W	Final Exam Review	
	F	Process Models and Process Improvement	HFSD Ch 3
<b>Finals</b>	M	Final Exam @ 1230 – 1430	

# Assignment Schedule

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

Week	Day	Assigned	Due
1	M		
	F		
2	M		
	F		
3	M	HW 01, GD 01	
	F		
4	M		
	F		HW 01
5	M	HW 02	
	F		
6	M		
	F		
7	M		
	F		HW 02
8	M	HW 03, PD 01	
	F		GD 01
<b>Midterm</b>	M		
	F		PD 01
10	M	PD 02	
	F		
11	M		
	F		HW 03
12	M	HW 04	
	F		PD 02
13	M	PD 03	
	F		HW 04
14	M	HW 05	
	F		
<b>Fall Recess Closed</b>	R		Project Presentations
	F		HW 05, PD 03, GD 02
<b>Finals</b>	T	Final Exam	