

Lesson Plan and Project Dates

Instructor	Rex Page	Instructor Office Hours - EL119
Phone/email	325-5408 / page@ou.edu	CEC439:T4:30-6:30 , EL119:W12:30-1:30 & R10:30-11:30
Class Meetings	TR 3:00-4:15, CEC 121 (+ CEC 31 for breakout)	Website https://learn.ou.edu
Assistant	Andrew Hill	Teaching Assistant Office Hours - EL 153
	325-5329 Andrew.S.Hill-2@ou.edu	M12:00-2:00, T11:00-12:00, W2:00-3:00
Reading Sources	<i>DSE</i> <i>A Discipline for Software Engineering</i> , Humphrey, Addison Wesley, 1995 <i>CAR</i> <i>Computer-Aided Reasoning: An Approach</i> , Kaufmann <i>et al</i> , Kluwer, 2000 Kaufmann text available (30 copies) from instructor, \$17 (soft cover) — purchase by Sep 15 <i>CEth</i> <i>Computer Ethics</i> , Johnson, Prentice-Hall <i>AoSI</i> Articles on Software Inspections (CS4263 reserve, Engineering Library) <i>ACL2</i> ACL2 Download (course website), ACL2 Tutorial (Google ACL2)	

Required Work	Individual Projects (8)	45%
	Team Projects (8) – <i>grades scaled by peer evaluations (evals due with each proj)</i>	25%
	Class Participation	10%
	Final Examination	20%

Lesson Plan	<i>week</i>	<i>Tues</i> <u>project</u> / <i>reading</i>	<i>Thurs</i> <u>project</u> / <i>reading</i>
Underlined projects indicate due dates.	1	Aug 22 Course plans/setup, <i>CAR 1-2</i>	Aug 24 <i>DSE 1-2+AppC1</i>
	2	Aug 29 <i>CAR 3</i>	Aug 31 <i>CAR 4.1-4.2</i>
	3	Sep 6 iEx0 , <i>DSE 3+AppC2</i>	Sep 8 <i>CAR 4.3</i>
	4	Sep 13 <i>CAR 4.4-4.5</i>	Sep 15 iEx1 , <i>DSE 4-5+AppC3</i>
	5	Sep 20 UML Lecture + Design Exercise	Sep 22 <i>DSE 8, AoSI, DSE 9</i>
<i>Reading assignments in italics: "CAR 1-2" means Chs 1 and 2 of Computer Aided Reasoning text</i>	6	Sep 27 iEx2 , tDsgnE3 (work)	Sep 29 tDsgnRvwE3 (work)
	7	Oct 4 tDsgnE3 , <i>CAR 7</i>	Oct 6 <i>CAR 8</i>
	8	Oct 11 <i>CAR 9-10</i>	Oct 13 iEx3a 12pm, tCdRvwE3 (work)
	9	Oct 18 tDevModel(work)	Oct 20 iEx3b 3pm, iEx3c (work)
	10	Oct 25 iEx3c , tDevModel (work)	Oct 27 tDevModel Presentations
<i>Download ezPSP from course website to aid in collecting software data required for programming exercises.</i>	11	Nov 1 iEx4 , Crawford/SE in industry	Nov 3 <i>CEth 1-2</i>
	12	Nov 8 <i>CEth 3, 7</i>	Nov 10 iEx5 , tPSPSummary (work)
	13	Nov 15 iEthRpt , tDsgn (work)	Nov 17 tPSPSummary , tDsgn (work)
	14	Nov 22 tDsgnPROBE , tImpl (work)	Nov 24 no class
	15	Nov 29 tTest , tImpl (work)	Dec 1 tImpl (work)
	16	Dec 6 tImpl (work)	Dec 8 tImpl, iEx6 , Review
		Wednesday, Dec 14 Final Examination, 4:30-6:30, CEC 121	

Learning Goals Successful students will learn an effective, measurable process for software development, will have applied the process in projects of moderate complexity, and will be prepared to apply it in complex projects. Students will work individually and in teams to analyze and apply software processes, estimate software size from designs, formally review software designs and code, and design and develop software with a focus on defect prevention.

Readings Reading assignments noted in Lesson Plan by reference-abbreviation and chapter numbers (eg, *DSE 4-5* means Chapters 4 and 5 of the Humphrey text).

Lectures Lectures discuss assigned reading. (Some lectures have no assigned reading.)

Projects Project due-dates indicated in Lesson Plan by underlined items (eg, **iEx5**). See course website for project details. "Work" indicates in-class work period.