

week	class	date	lecture topics	reading (PLP 3ed)	assignments	
1	1	2-Sep-10	intro to programming languages	1	account setup	
2	2	7-Sep-10	automata, scanning	2.1.1, 2.2		repository setup
	3	9-Sep-10	CFG, BNF, recursive descent parsing	2.1.2, 2.1.3, 2.3.1	tokenizer	
3	4	14-Sep-10	shift-reduce (Xiaoming)	2.3.2-2.3.4	calculator	tokenizer due
	5	16-Sep-10	left recursion, syntax-directed translation	2.4, 4.1-4.3		
4	6	21-Sep-10	grammar classes, attribute grammar	4.2-4.5		
	7	23-Sep-10	AST construction	4.2-4.5	parser, intra-func gen	calculator due
5	8	28-Sep-10	code generation	4.2-4.5		
	9	30-Sep-10	operators, control flow	6.1, 6.3-6.5,	meaning of life	parser due
6	10	5-Oct-10	stack, param. passing, calling sequence	3.1-3.3, 8.1-8.3		expr gen due
	11	7-Oct-10	function code generation, exceptions	8.1-8.3, 8.5		meaning of life due
7	12	12-Oct-10	scopes, types, mem safety	3.3.1, 3.8.1, Chap 7	function code gen	intra-func gen due
	13	14-Oct-10	mid-term review			
8	14	19-Oct-10	interface, inheritance, polymorphism	9.1-9.4		
	15	21-Oct-10	multi-inheritance, mix-ins	9.5		
9	16	26-Oct-10	lambda calculus, LC, Church numerals	10.1, 10.2, 10.6.1, notes	extensible scanner	func gen due
	17	28-Oct-10	mid-term (in-class)			
10	18	2-Nov-10	closures, environments	10.3, lecture notes		scanner phase I due
	19	4-Nov-10	call-by-value evaluator	lecture notes		
11	20	9-Nov-10	object code, linking	14.6-14.7	LC evaluator	scanner phase II due
	21	11-Nov-10	virtual machine, memory management	15, lecture notes		
12	22	16-Nov-10	scripting languages	13.1, 13.2, lecture notes		
	23	18-Nov-10	parallel programming I	12.4.3, 12.4.4, notes	language extension	LC eval due
13	24	23-Nov-10	parallel programming II	lecture notes		
Thanksgiving break (11/24-11/28)						
14	25	30-Nov-10	history of PL	lecture notes	parallel programming	lang. extension due
	26	2-Dec-10	logic languages	11.2		
15	27	7-Dec-10	program optimization	16.1-16.3		parallel programming due
	28	9-Dec-10	class review			
12/16-12/22 final exam						