

class			Theory topics	Practical topics	HW and exams	Specific topics	Reading
1	Mon	8/26	1. Syntax & Semantics (ch3)			BNF	3.0-3.3.1.4
2	Thu	8/29				parse trees	3.3.1.5-3.3.3
3	Mon	9/2			hw1	attribute grammars	3.4
4	Thu	9/5		2. Imperative and object-oriented programming in C and C++ imperative (ch6-8), object-oriented (ch 11-12)		C/C++ compilation and execution. Stack and heap. Pointers. Arrays.	6.11
5	Mon	9/9				More pointers and memory allocation. Data types in general. Enums and unions. C++ intro.	6.11, 6.4, 6.5, 6.10
6	Thu	9/12			hw2	ADTs, destructors, templates	11
7	Mon	9/16				inheritance, multiple inheritance vs interfaces, virtual functions	12.1-5, 12.11
8	Thu	9/19			hw3	operator overloading, references, assignments, goto	7 and 8
9	Mon	9/23				C/C++ revision	
10	Thu	9/26	3. Scanning & Parsing (ch4)		hw4	scanning	4.1-4.2
11	Mon	9/30				bottom-up parsing	4.5
12	Thu	10/3			exam1		
13	Mon	10/7		4. Functional programming in Scheme (ch15)		Running Scheme programs. Basics. Lambda expressions.	15.0-15.5.7
14	Thu	10/10			hw5	Lists. Quote. Let and letrec.	15.5.8-11 and 6.9
15	Mon	10/14				Tail recursion, functional forms.	15.5.12-14
16	Thu	10/17			hw6	Scheme implementation	--
17	Mon	10/21				[fall pause]	
18	Thu	10/24				functional versus imperative	15.11
19	Mon	10/28			hw7	further Scheme topics	
20	Thu	10/31	5. Scope & Type Checking (ch5)			hw7	names, bindings, type checking
21	Mon	11/4			exam2		
22	Thu	11/7				scope	5.5-5.8
23	Mon	11/11		6. Logic programming in Prolog (ch16)	hw8	prolog basics	16.4-6
24	Thu	11/14				predicate logic, resolution, unification	16.1-3
25	Mon	11/18				prolog inference	16.6.5-16.6.7
26	Thu	11/21				deficiencies and applications of logic programming	16.7-8
27	Mon	11/25	7. Subprograms (ch9-10) Final project		hw9	final project	
28	Thu	11/28				[thanksgiving]	
29	Mon	12/2				final project	
30	Thu	12/5			hw10 (due 11:59pm Friday 12/6)	final project	
	2pm, Thu	12/12			final exam		