class			Theory topics	Practical topics	HW and exams	Specific topics	Reading
1	Tue	9/2	**1. Syntax & Semantics (ch3)**			BNF	3.0-3.3.1.4
2	Thu	9/4				parse trees + attribute grammars	3.3.1.5-3.3.3, 3.4
3	Tue	9/9		**2. Imperative and object-oriented programming in C and C++** imperative (ch6-8), object-oriented (ch 11-12)	~~hw1~~	C/C++ compilation and execution. Stack and heap. Pointers. Arrays.	6.11
4	Thu	9/11			hw1	More pointers and memory allocation. Data types in general. Enums and unions. C++ intro.	6.4, 6.5, 6.10, 6.11
5	Tue	9/16				[lab day]	
6	Thu	9/18			hw2	ADTs, destructors, templates	11
7	Tue	9/23				inheritance, multiple inheritance vs interfaces, virtual functions	12.1-5, 12.11
8	Thu	9/25			~~hw3~~	[lab day]	
9	Tue	9/30			hw3	operator overloading, references, assignments, goto	7 and 8
10	Thu	10/2				[lab day]	
11	Tue	10/7	**3. Scanning & Parsing (ch4)**		hw4	scanning	4.1-4.2
12	Thu	10/9				bottom-up parsing	4.5
13	Tue	10/14			**exam1**		
14	Thu	10/16		**4. Functional programming in Scheme (ch15)**		Running Scheme programs. Basics. Lambda expressions.	15.0-15.5.7
15	Tue	10/21			[fall pause]		
16	Thu	10/23			hw5	Lists. Quote. Let and letrec.	15.5.8-11 and 6.9
17	Tue	10/28				Tail recursion, functional forms.	15.5.12-14
18	Thu	10/30			~~hw6~~	Scheme implementation	--
19	Tue	11/4			hw6	functional versus imperative	15.11
20	Thu	11/6				[further Scheme topics + lab day]	
21	Tue	11/11	**5. Scope & Type Checking (ch5)**		hw7	names, bindings, type checking	5.1-5.4, 6.12-14
22	Thu	11/13				scope	5.5-5.8
23	Tue	11/18			**exam2**		
24	Thu	11/20		**6. Logic programming in Prolog (ch16)**	hw8	prolog basics	16.4-6
25	Tue	11/25				predicate logic, resolution, unification	16.1-3
26	Thu	11/27			[thanksgiving]		
27	Tue	12/2				prolog inference; deficiencies and applications of logic programming	16.6.5-16.6.7; 16.7-8
28	Thu	12/4	**7. Final project**		hw9	final project	
29	Tue	12/9				final project	
30	Thu	12/11			hw10 (due 11:59pm Friday 12/12)	final project	
2pm, Mon		12/15			**final exam**		