



CS 208, Fall 2014
Programming Languages
Schedule (Tentative)
Last updated: August 20, 2014

Readings are from Programming Language Design Concepts by David Watt unless specifically marked.

Hw are homeworks.

P are programs due as part of your paper.

Class	Date	Topic	Due
—— Read: Introduction Ch. 1 ——			
1	8/27	Introduction, Paradigms	
Lab		1: Bash A	
2	8/29	Compilers vs Interpreters	
—— Read: Values and Types Ch. 2 ——			
3	9/1	Primitive Types	P 0 (choose)
4	9/3	Type Constructors	
Lab		2: Bash B	
5	9/5	Type Constructors	Hw 1
6	9/8	Static vs Dynamic Typing, Untyped vs Weakly vs Strongly	P 1
—— Read: Type Systems Ch. 8 ——			
7	9/10	C++ Intro, Typechecking	
Lab		3: C++ A	
8	9/12	Typechecking	Hw 2
—— Read: Object Oriented Paradigm Ch. 12.1, 12.2 ——			
9	9/15	Typechecking	
10	9/17	OOPL	
Lab		4: C++ B	
11	9/19		Hw 3
12	9/22		P 2
—— Read: Values and Types Ch. 2 ——			
13	9/24	Variables	
Lab		5: C++ C	
14	9/26		Hw 4
15	9/29		
16	10/1		
Lab		Exam 1	
17	10/3		
—— Read: Bindings and Scope Ch. 4 ——			
18	10/6	Bindings	P 3
—— Read: Prolog Ch. 15 ——			
19	10/8	Scope and Prolog	
Lab		6: Prolog A	
—— Read: Procedural Abstraction Ch. 5 ——			
20	10/10	Parameter Passing	Hw 5

Class	Date	Topic	Due
21	10/13	Fall Break	
22	10/15	Evaluation Strategy (1)	
Lab		7: Prolog B	
23	10/17	Evaluation Strategy (2)	Hw 6
—Read: Functional Paradigm Ch. 14.1-14.3 —			
24	10/20	Functional Languages, Intro to Haskell	P 4
25	10/22		
Lab		8: Haskell A	
26	10/24		Hw 7
27	10/27		
28	10/29		
Lab		9: Haskell B	
29	10/31		Hw 8
30	11/3		P 5
—Read: Scripting language, regular expressions Ch. 16 —			
31	11/5	Regular expressions	
Lab		10: Haskell C	
32	11/7	Regular expressions	Hw 9
—Read: Grammars (provided) —			
33	11/10	Context Free Grammars	
34	11/12	Exam 2	
Lab		11: Haskell D	
35	11/14	Parse Trees	
36	11/17	Ambiguity, Associativity, and Precedence	P 6
37	11/19		
Lab		12: Regexp	
—Read: Lambda Calculus (provided) —			
38	11/21	Lambda Calculus	Hw 10
39	11/24		
40	11/26	Thanksgiving	
Lab		Thanksgiving	
41	11/28	Thanksgiving	
42	12/1	Church Numerals, Booleans	
43	12/3	Functions	
Lab		13: Lambda Calculus	
44	12/5	Recursion	Paper
45	12/8	Review	