CS251 Programming Languages **Handout # 2**
Prof. Lyn Turbak **January 28, 2004**
Wellesley College

Tentative Syllabus

This is a tentative syllabus for the course. It will be updated during the semester to reflect our actual progress in the course.

Lec.	Date	Topic	Homework
		Week 1	
1	W 1/28	course overview; introduction to OCAML; administrivia	PS1 out (list recursion)
2	R 1/29	OCAML list recursion	
		Week 2	
3	M 2/02	more OCAML list recursion	
4	W 2/04	first-class functions; higher-order list functions	
5	R 2/06	functional data	PS1 due; PS2 out (higher-order functions)
		Week 3	
6	M 2/09	OCAML exceptions; modules	
7	W 2/11	trees; s-expressions	
8	R 2/12	simple interpretation (INTEX)	PS2 due; PS3 out (trees, sexps, interp.)
		Week 4	
	M 2/16	**President's Day: no lecture**	
9	W 2/18	conditionals and simple data (CONDEX)	
10	R 2/19	desugaring	PS3 due; PS4 out (desugaring, naming)
11	F 2/20	**Monday schedule** simple naming (BINDEX)	
		Week 5	
12	M 2/23	functions and scoping (HOFL)	
13	W 2/25	environment model; closures	
14	R 2/26	recursive bindings	PS4 due; Exam1 out (through naming)
		Week 6	
15	M 3/01	Scheme	
16	W 3/02	restricting functions (FOFL, FOBS)	
17	R 3/04	compound data: products, sums, algebraic datatypes	Exam1 due PS5 out (interpreting functions)
		Week 7	
18	M 3/08	pattern matching	
19	W 3/10	imperative programming (HOILEC,HOILIC)	
20	R 3/11	interpreting state	PS5 due; PS6 out (data, state)

Lec.	Date	Topic	Homework
Week 8			
21	M 3/15	parameter passing	
22	W 3/17	C/C++ data	
23	R 3/18	storage management	PS6 due
	3/20–28	**Spring Break**	
Week 9			
24	M 3/29	lazy data	PS 7 out (parameters, laziness)
25	W 4/31	HASKELL 1	
26	F 4/01	HASKELL 2	
Week 10			
27	M 4/05	control 1: non-local exits	
28	W 4/07	control 2: continuation interpreters	
29	F 4/08	control 3: exceptions	PS7 due; PS 8 out (control)
Week 11			
30	M 4/12	nondeterministic programming	
31	W 4/14	logic programming	
32	R 4/15	type checking 1	PS8 due
Week 12			
	M 4/19	**Patriot's day; no lecture**	
	T 4/20		Exam2 out
33	W 4/21	type checking 2	
34	R 4/22	polymorphism	
Week 13			
35	M 4/26	type reconstruction 1	
	T 4/27		Exam2 due
	W 4/28	**Ruhlman conference; no lecture**	
36	R 4/29	type reconstruction 2	PS9 out (types)
Week 14			
37	M 5/03	object-oriented programming 1	
38	M 5/05	object-oriented programming 2	
39	R 5/06	**(Last class)** CS251 Jeopardy!	PS9 due