

## CSC 253/453 Schedule (updated 11/19)

week	lecture	date	topics	reading	assignment
1	1	Wed, Aug 30	software difficulties, what is design, UAP principle	Brooks, Parnas	reading questionnaire
2	2	Wed, Sep 6	anonymous functions, iterators and unit testing	Olsen Ch. 7, unit testing	iterator 1
3	3	Mon, Sep 11	4 criteria of modular design	Parnas Ch. 7,8,16	
	4	Wed, Sep 13	iterator module	Ruby Enumerable	iterators 2
4	5	Mon, Sep 18	DVCS revlog and merge	Mercurial v0.1	
	6	Wed, Sep 20	design principles	Parnas Ch. 10,14	iterators 3
5	7	Mon, Sep 25	lambda past and present	wiki on Church numerals, PS Ch. 8	
	8	Wed, Sep 27	dynamic typing (partly John)	Ruby 1.8 README.TXT	Ruby ext.
6	9	Mon, Oct 2	builder, adaptor, configuration patterns	Olsen Ch. 9,14,18	DVCS design
		Wed, Oct 4	(away MEMSYS) DVCS design review	Parnas Ch. 13,17	
7		Mon, Oct 9	fall break		
		Wed, Oct 11	away (LCPC) interpreter, DSL	Olsen Ch. 15,16	rake
8	11	Mon, Oct 16	streams	SICP Sec. 3.5	
	12	Wed, Oct 18	teams	Schach Ch. 4	streams, hw1
9	13	Mon, Oct 23	unified process	Scratch Ch. 3,10-13	
	14	Wed, Oct 25	callcc	slides	DVCS team
10	15	Mon, Oct 30	continuation passing and actor model	Steele/Gabriel, HOPL93, 2.8 (req), 4 (opt)	
		Wed, Nov 1	dvcs design, review for mid-term		elaboration DVCS due
11		Mon, Nov 6	away (CASCON) <b>mid-term exam</b>		generator
	16	Wed, Nov 8	Object class vs Class object	Kay, HOPL93 (opt)	
12	17	Mon, Nov 13	module, mix-in, multi-inheritance		
	18	Wed, Nov 15	obj extension and meta-class	Olsen Ch. 11, 12, 17	meta-prog
13	19	Mon, Nov 20	essence of types	7.1 of PLP, PLAI-e1 24	DVCS due
		Wed, Nov 22	Thanksgiving break		
14	20	Mon, Nov 27	type judgement, data type, type soundness	PLAI-e1 25-28 (excluding 26.2, 27.1.2, 27.1.3)	meta-prog due
	21	Wed, Nov 29	explicit polymorphism	PLAI-e1 29	DVCS beta
15	22	Mon, Dec 4	Haskell type classes	Haskell tutorial Ch. 5	
	23	Wed, Dec 6	Monads	Haskell tutorial Ch. 9	type/locality
16	24	Mon, Dec 11	locality analysis/optimization	a manuscript	
		Wed, Dec 13	review		
		Mon, Dec 18	<b>final exam (9:30am)</b>		