Formal Verification
COMP 525 - Winter 2017
Lecture Schedule

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15th February 2017

Week 1	Lecture 1	5 Jan	Intro, Logic, completeness
Week 2	Lecture 2	10 Jan	Transition systems, bisimulation
	Lecture 3	12 Jan	Linear time properties
Week 3	Lecture 4	17 Jan	Safety, liveness, fairness
	Lecture 5	19 Jan	Regular safety properties
Week 4	Lecture 6	24 Jan	Model checking regular safety properties
	Lecture 7	26 Jan	Automata on infinite words
Week 5	Lecture 8	31 Jan	Automata on infinite words
	Lecture 9	2 Feb	Model checking ω-regular properties
Week 6	Lecture 10	7 Feb	Introduction to Modal Logic
	Lecture 11	9 Feb	Linear temporal logic
Week 7	Lecture 12	14 Feb	CTL, CTL$*$
	Lecture 13	16 Feb	CTL model checking
Week 8	Lecture 14	21 Feb	LTL and CTL$*$ model checking
	Lecture 15	23 Feb	**Midterm**
Week 9	Lecture 16	7 Mar	Symbolic model checking
	Lecture 17	9 Mar	Binary decision diagrams
Week 10	Lecture 18	21 Mar	Timed automata
	Lecture 19	23 Mar	Timed automata
Week 11	Lecture 20	28 Mar	Class presentations
	Lecture 21	30 Mar	Class presentations
Week 12	Lecture 22	4 Apr	Class presentations
	Lecture 23	6 Apr	Class presentations
Week 13	Lecture 24	11 Apr	Class Presentations