

Modelling and Simulation: Schedule (tentative)

Wednesday	1	September	Course Introduction
Friday	3	September	Causal Block Diagrams – time-less
Monday	6	September	– Labour Day, no class –
Wednesday	8	September	Causal Block Diagrams – discrete-time
Friday	10	September	Causal Block Diagrams – continuous-time
Monday	13	September	tutorial: AToM ³ internals
Wednesday	15	September	The Modelling and Simulation Process
Friday	17	September	demo: model-based complex systems design
Monday	20	September	A Hierarchy of System Specification
Wednesday	22	September	A Hierarchy of System Specification
Friday	24	September	State Automata
Monday	26	September	Petri Nets (basics)
Wednesday	28	September	Petri Nets (analysis)
Friday	1	October	presentation: projects
Monday	4	October	Statecharts (intro)
Wednesday	6	October	Statecharts (semantics)
Friday	8	October	tutorial: DCharts in AToM ³
Monday	11	October	– Thanksgiving Day, no class –
Wednesday	13	October	Statecharts (applications)
Friday	15	October	The Event Scheduling World View
Monday	18	October	The Process Interaction World View
Wednesday	20	October	GPSS
Friday	22	October	GPSS
Monday	25	October	– no class –
Wednesday	27	October	– no class –
Friday	29	October	– no class –
Monday	1	November	GPSS
Wednesday	3	November	tutorial: GPSS World
Friday	5	November	DEVS (atomic)
Monday	8	November	DEVS (coupled)
Wednesday	9	November	DEVS (simulator)
Friday	11	November	tutorial: PythonDEVS
Monday	14	November	Animation
Wednesday	16	November	Continuous-time models (causal)
Friday	18	November	Population Dynamics
Monday	21	November	Forrester System Dynamics
Wednesday	23	November	Modelica: OO Modelling of Physical Systems
Friday	25	November	– work on project –
Monday	29	November	– work on project –
Wednesday	1	December	– work on project –
Friday	3	December	Project Presentations

All lectures and tutorials are held 8:00 – 9:30 in Trottier 1080.