

Week	Title	2003-2004	2002-2003
Week1	CS405 An Introduction to Empirical Modelling (Power point presentation)	N	Y
	CS405 An Introduction to Empirical Modelling (handout)	N	Y
	CS405 Introduction to EM: Background material for CS405	Y	Y
Week2	"from ~sbr/public/empirical/room/room.d"	N	Y
	Getting Started with EM Tools (Lab 1)	N	Y
	S4 Empirical Modelling for Concurrent Systems - a Summary	N	Y
	New Paths for Programming in Theory and Practice	N	Y
	Lecture M1: Overview and Introduction	N	Y
	Tutorial M3: Introduction to eden	N	Y
Week3	Tutorial M4: Introduction to definitive notations	N	Y
	Definitive Notations and Modelling with Definitive Scripts (MWDS)	N	Y
	An ARCA script to generate a Cayley diagram for S4	Y	Y
	CS405 Introduction to Empirical Modelling Lab 2	N	N
	Some advice on exploring the models in the ~wmb/public/projects directory	N	Y
	Practical exercises with OXO	N	Y
	Tic-tac-toe	N	Y
" a train station1 and station 2 graph"	N	Y	

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	CS405 Introduction to Empirical Modelling Lab 3	N	Y
Week4	Lecture M5: Empirical Modelling for the Single Agent	Y	Y
	Lecture M5: Empirical Modelling for the Single Agent (Hand writing)	N	Y
	Computer Programming for Noughts-and-Crosses: New Frontiers	Y	Y
	"Issues to reflect upon in connection with the exercises:"	N	Y
	A1: Preamble to "A World of Pure Experience"; A2: Traditional Empiricism; A3: Pragmatism; A4: Radical Empiricism - a Philosophic Attitude	N	Y
	" Diagrams :two views of the semantic relation and MWDS for computer-based construal		
	Lecture T2: The LSD Notation for Agent Specification	Y	Y
	Tutorial T3: Empirical Principles for LSD Specification	Y	Y
	Exercises with LSD	N	Y
	A Comparative Case-Study: the Electronic Cat-Flap	N	Y
	Causal accounts:introducing the 2nd person perspective	N	Y
	"cruise.lsd" --description of agents for a 'cruise control' system	N	Y
	Telephone LSD. Account	Y	Y
	A Computer-Aided Script Generator for Computer-Aided Design	N	Y
	CS405 Introduction to Empirical Modelling Lab 4	N	N
Week5	LSD Specification for a Cat Flap	N	Y
	"catflap.ib.txt"	Y	Y

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	Informal notes on role of LSD	Y	Y
	Back to the Future: Modern Computing in Railway History	Y	Y
	The Railway Disaster Exercises	N	Y
	Talking Points for the Historic Railway Accidents	N	Y
	CS405 Introduction to Empirical Modelling Lab 5	N	Y
Week6	Lecture T1:Concurrent Systems Modelling:Agentification, Artefacts, Animation	N	Y
	Lecture T4: Visualisation and Concurrent Systems Modelling	Y	Y
	Figure 3-6:An ADM artefact for Jugs	Y	Y
	Lecture Th1: The Abstract Definitive Machine	Y	Y
	Research Report 127 (Parallel Computation in Definitive Models)	Y	Y
	Lecture W1: Agent-oriented Modelling and Simulation for Discrete Event Systems	Y	Y
Application General	Concurrent Engineering - summary of principal themes and challenges		
	Agent-oriented Modelling and the Explanation of Behaviour	Y	N
	Interpreting the Ficts Fiction (some graphs and dialogue)		
	The Not So Quick Guide to dtkden	Y	N
	Some useful sources for 3rd year projects in EM: 2002-2003	N	Y
	The four agent perspectives (diagram)		
Assignment	CS405 An Introduction to EM: Module Assignment	N	Y

Week 7

The Theme of this week is Concurrent Engineering

Lecture M2. A Perspective on Concurrent Systems (lecture slides)

A Computer-Aided Script Generator for Computer-Aided Design

An Agent-oriented Framework for Concurrent Engineering

Listing for the Lathe Model

Week 8

The Theme of This Week is Software Development

On Visual Formalisms

Enhancing Testability with Scenario-oriented Engineering

Enhance and Accidents of Software Engineering

Business and IT Perspectives on AMORE: a Methodology using Object-Orientation in Re-engineering Enterprises

Agent-oriented Modelling and the Explanation of Behaviour

Case study: dishwasher system

Issues in Agent-Oriented Software Engineering

Some readings on system development

Draughts analysis

Biting the Silver Bullet: Towards a Brighter Future for System Development

From Play-In Scenarios to Code: An Achievable Dream

The Dishwasher Model

Possible exam questions

Philosophical reflections motivating some basic ideas: ...

Morals of the exercise - controversial!