

Course **BELIEFS AND DECISIONS: OF MINDS AND MACHINES**
 Classroom **Nádor St 9, Faculty Tower / 3rd floor, Room 309**
 Seminar room **Nádor St 9, Faculty Tower / 3rd floor, Room 308**
 Dates **July 5-9, 2010**

Times	Monday July 5	Tuesday July 6	Wednesday July 7	Thursday July 8	Friday July 9
	MODULE I: UNCERTAINTY		MODULE II: LEARNING	MODULE III: DECISION MAKING	
9.00 - 10.00	9.00 - 10.00 Orientation Session SUN staff and course coordinator <i>Auditorium, Nador 9 bldg, ground floor</i>				
10.00 - 10.45	Lecture 1 Ghahramani Probabilistic inference and unsupervised learning, part 1	Lecture 6 Shadlen variability in neural responses in the visual cortex, part 1	Lecture 11 Ghahramani Structure learning and model selection	Lecture 16 Ghahramani Reinforcement learning in artificial intelligence, part 1	Lecture 20 Lengyel Reinforcement learning in the brain
10.45 - 11.00	Coffee break	Coffee break	Coffee break	Coffee break	Coffee break
11.00-11.45	Lecture 2 Ghahramani Probabilistic inference and unsupervised learning, part 2	Lecture 7 Shadlen variability in neural responses in the visual cortex, part 2	Lecture 12 Lengyel Statistical learning in animals and humans, part 1	Lecture 17 Ghahramani Reinforcement learning in artificial intelligence, part 2	Lecture 21 Wolpert Optimality in motor control, part 1
11.45 - 12.00	Coffee break	Coffee break	Coffee break	Coffee break	Coffee break
12.00 - 12.45	Lecture 3 Lengyel Neural representations of uncertainty	Lecture 8 Fiser Spontaneous activity in the cortex, part 1	Lecture 13 Lengyel Statistical learning in animals and humans, part 2	Lecture 18 Shadlen Uncertainty and decision making in the brain, part 1	Lecture 22 Wolpert Optimality in motor control, part 2
13.00 - 14.30	Lunch	Lunch	Lunch	Lunch	Lunch
14.30 - 15.15	Lecture 4 Wolpert Internal models in motor control, part 1	Lecture 9 Fiser Spontaneous activity in the cortex, part 2	Lecture 14 Fiser Visual learning and neural correlates, part 1	Lecture 19 Shadlen Uncertainty and decision making in the brain, part 2	Student presentations
15.15 - 15.30	Coffee break	Coffee break	Coffee break	Coffee break	Coffee break
15.30 - 16.15	Lecture 5 Wolpert Internal models in motor control, part 2	Roundtable 1 Rational or irrational? Stock traders, psychologists.	Lecture 15 Fiser Visual learning and neural correlates, part 2	Roundtable 2 Beliefs, decisions, free will? Philosophers, theologians.	Student presentations
16.15-16.45	Break	Break	Break	Break	
16.45-17.45	Office hour	Office hour	Office hour	Office hour	Course evaluation
18 -	Auditorium 18.00-19:30 Public panel discussion 19:30-21:00 Welcome reception for all courses				
19.00 - 21.00		Dinner	Dinner	Dinner	Course Concluding Dinner
21.00 -	BP-at-night	BP-at-night	BP-at-night	BP-at-night	BP-at-night