Introduction to AI Module Schedule. Draft subject to possible change.   **Jeremy L Wyatt**

Week	Day	Date	Time	Loc	Sess #	Likely Topics		Exercises
1	Mon	25/9	5pm	GKAP-LT2	1	Introduction	Overview of AI, course overview	
1	Tue	26/9	1pm	LAW-LT1	2	Learning	Types of learning	
1	Wed	27/9	12pm	HWTH-203	3	Learning	Learning in single layer networks	**Ex1 out**
2	Mon	2/10	9am	AWEB-WG5	4	Learning	Learning in multi-layer networks	
2	Mon	2/10	5pm	GKAP-LT2	5	**Exercise class**	**Exercise 1: Neural Nets**	
2	Tue	3/10	1pm	LAW-LT1	6	Learning	Learning in multi-layer networks	
2	Wed	4/10	12pm	ARTS-main LT	7	Learning	Classification with decision trees	
3	Mon	9/10	9am	AWEB-WG5	8	Learning	Decision Tree learning	
3	Mon	9/10	5pm	GKAP-LT2	9	**Exercise class**	**Exercise 1: Neural Nets**	
3	Tue	10/10	1pm	LAW-LT1	10	Learning	Decision Tree learning	**Ex1 in**
3	Wed	11/10	12pm	HWTH-203	11	Learning	Linear regression, generalised linear models	**Ex2 out**
4	Mon	16/10	9am	MUIR-G15	12	Learning	Machine Learning, wrap up	
4	Mon	16/10	5pm	GKAP-LT2	13	**Exercise class**	**Exercise 2: Machine Learning**	**Ex1 back**
4	Tue	17/10	1pm	LAW-LT1	14	Probabilistic AI	Probability theory basics	
4	Wed	18/10	12pm	HWTH-203	15	Probabilistic AI	Probability theory basics	
5	Mon	23/10	9am	AWEB-WG5	16	Probabilistic AI	Bayes' Rule	
5	Mon	23/10	5pm	GKAP-LT2	17	**Exercise class**	**Exercise 2: Machine Learning**	
5	Tue	24/10	1pm	LAW-LT1	18	Probabilistic AI	Bayes' Rule applications	**Ex 2 in**
5	Wed	25/10	12pm	HWTH-203	19	Probabilistic AI	Bayes Nets	**Ex 3 out**
6	Mon	30/10	9am	AWEB-WG5	20	Probabilistic AI	Bayes Nets Inference, D-separation	
6	Mon	30/10	5pm	GKAP-LT2	21	**Exercise class**	**Exercise 3: Probabilistic AI**	**Ex2 back**
6	Tue	31/11	1pm	LAW-LT1	22	Probabilistic AI	Probabilistic AI wrap up	
6	Wed	1/11	12pm	HWTH-203	23	Reasoning	Un-informed Search. DFS, BFS	
7	Mon	6/11	9am	AWEB-WG5	24	Reasoning	Un-informed Search. DFID	
7	Mon	6/11	5pm	GKAP-LT2	25	**Exercise class**	**Exercise 3: Probabilistic AI**	
7	Tue	7/11	1pm	LAW-LT1	26	Reasoning	Informed Search. Heuristics, Hill climbing	**Ex3 in**
7	Wed	8/11	12pm	HWTH-203	27	Reasoning	Informed Search. A*, proofs	**Ex4 out**
8	Mon	13/11	9am	AWEB-WG5	28	Reasoning	Search Wrap up	
8	Mon	13/11	5pm	GKAP-LT2	29	**Exercise class**	**Exercise 4: Search**	**Ex3 back**
8	Tue	14/11	1pm	LAW-LT1	30	Reasoning	Resolution theorem proving for propositional logic	
8	Wed	15/11	12pm	HWTH-203	31	Reasoning	Resolution, Predicate logic quickly, NMR and epistemic	
9	Mon	20/11	9am	AWEB-WG5	32	Reasoning	Representations: Sem nets, ontologies.	
9	Mon	20/11	5pm	GKAP-LT2	33	**Exercise class**	**Exercise 4: Search**	
9	Tue	21/11	1pm	LAW-LT1	34	Reasoning	Situation Calculus	**Ex4 in**
9	Wed	22/11	12pm	CHEM-124	35	Reasoning	Planning. Goal regression. CWA. PDDL	**Ex 5 out**

10	Mon	27/11	9am	AWEB-WG5	36	Reasoning	Reasoning, wrap-up	
10	Mon	27/11	5pm	GKAP-LT2	37	**Exercise class**	**Exercise 5: Logic**	**Ex4 back**
10	Tue	28/11	1pm	LAW-LT1	38	Overview	Robotics: pulling it all together 1	
10	Wed	29/11	12pm	ARTS-Main LT	39	Overview	Robotics: pulling it all together 2	
11	Mon	4/12	9am	MUIR-G15	40	Overview	TBA	
11	Mon	4/12	5pm	GKAP-LT2	41	**Exercise class**	**Exercise 5: Logic**	
11	Tue	5/12	1pm	LAW-LT1	42	Overview/Spare	TBA	**Ex 5 in**
11	Wed	6/12	12pm	HWTH-203	43	Overview/Spare	TBA	**Ex5 back Jan 18**