Program	Level	Level		irst cycle			
	Name of the program T		Theoretical Com	eoretical Computer Science			
Course title	C I	Introdu		tificial Intell	Contract hours (L + A E + L E)		
Course code	Semester	Course status	8	ECIS	Contact hours (L	+AE+LE)	
Lootunon	VI	Elective cour	se	5	2+0+2		
The main research topics in AL include: problem solving reasoning planning natural language							
Course Goals Course Goals Course, we will study the most fundamental knowledge for understanding AI. We will introduce some basic search algorithms for problem solving; knowledge representation and reasoning; pattern recognition; fuzzy logic; and neural networks.							
Learning Outcomes The main purpose of this course is to provide the most fundamental knowledge to the students so that they can understand what the AI is. Due to limited time, we will try to eliminate theoretic proofs and formal notations as far as possible, so that the students can get the full picture of AI easily. Students who become interested in AI may go on to the graduate school for further study.							
COURSE CONTENT							
Problem Solving: Solving Problems by Searching, Beyond Classical Search, Adversarial Search, Constraint Satisfaction Problems Knowledge and Reasoning: Logical Agents, First-Order Logic, Fuzzy Logic: Inference in First-Order Logic, Inference in Fuzzy Logic, Classical Planning, Planning and Acting in the Real World, Knowledge Representation Uncertain Knowledge and Reasoning: Quantifying Uncertainty, Probabilistic Reasoning, Probabilistic Reasoning over Time, Making Simple Decisions, Making Complex Decisions Communicating, Perceiving, and Acting: Natural Language Processing, Natural Language for Communication, Perception Robotics							
LITERATURE							
 Stuart Russel, Peter Norvig: Artiffcial Intelligence: A Modern Approach, Prentice Hall, 2009 (1995). Elaine Rich, Kevin Night: Arti_cial Intelligence, McGraw-Hill, 1990. Rolf Pfeifer and Christian Scheier: Understanding Intelligence, MIT Press, 1999. George F. Luger: Artifcial Intelligence: Structures and Strategies for Complex Problem Solving. Addison-Wesley, 2008. Blay Whitby: Articial Intelligence, Oneworld Publications, 2003. Lecture notes 							
Lectures	30 Exerci	ses 3	30 Individua	work 6	5 Total	125	
	CRADINC			0.	REMARKS	123	
	Mayin	Maximum Minimum		KLMARK5			
Criterion	noints		ts				
Midterm exams	5	3					
Homework 5		3		-			
Projects 40		21		-			
Seminar 5 3		21					
Final exam 45 25		25					
Total	100	55					
10141	100						