

INFO8006 Introduction to Artificial Intelligence	CP1: Connaitre, Comprendre	CP2: Appliquer	CP3: Analyser, Synthétiser	Modalités de questionnement		
Lecture 0: Introduction to artificial intelligence				QCM		
Lecture 1: Intelligent agents	x			QCM		
Lecture 2: Solving problems by searching						
- Planning agents and search problems	x	x	x	QCM, QROL, Projet 0		
- Uninformed search methods	x	x	x	QCM, QROL, Projet 0		
- Informed search methods	x	x	x	QCM, QROL, Projet 0		
Lecture 2b: Constraint satisfaction problems	x	x		QCM, QROC, QROL	Removed in 2020-2021	
Lecture 3: Games and adversarial search						
- Adversarial search (Minimax, H-Minimax)	x	x	x	QCM, QROL, Projet 1		
- Adversarial search (Expectiminimax, MCTS), modeling assumptions	x			QCM		
Lecture 4: Representing uncertain knowledge						
- Probability	x	x		QCM, QROC, QROL		
- Bayesian networks	x	x		QCM, QROC, QROL		
Lecture 5: Inference in Bayesian networks						
- Exact inference	x			QCM		
- Approximate inference	x			QCM		
Lecture 6: Reasoning over time						
- Markov models	x	x		QCM, QROC, QROL		
- Inference tasks	x	x	x	QCM, QROC, QROL		
- Filters	x	x	x	QCM, QROL, Projet 2		
Lecture 7: Learning						
- Bayesian learning	x	x		QCM, QROC, QROL		
- Supervised learning	x	x	x	QCM, QROC, QROL		
Lecture 8: Making decisions						
- MDPs	x	x	x	QCM, QROC, QROL		
- POMDPs	x			QCM		
Lecture 9: Reinforcement learning						
- Passive RL	x	x		QCM, QROC, QROL		
- Active RL	x	x		QCM, QROC, QROL		
Lecture 10: Communications	x			QCM	Removed in 2021-2022	
Lecture 11: Artificial intelligence and beyond	x			QCM, QROC, QROL		
Notes						
http://smart.uliege.be/wp-content/uploads/ressources/smart-uliege_guide-methodologique_livre.pdf						