

Artificial Intelligence

COMP3411

<http://www.cse.unsw.edu.au/~cs3411>

Lecturer

Claude Sammut

- Professor in CSE, Head of AI Research Group
- Research in Machine Learning and Robotics
- Mentor for RoboCup Team
- General chair of RoboCup 2019
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Timetable

COMP3411 Lectures and Tutorials

	Monday	Tuesday	Wednesday	Thursday	Friday
09:00 - 10:00					
10:00 - 11:00				Tut - H10A Zachary Partidge	Tut - F10A Dominic Wong Tut - F10B Jatin Wadhwa
11:00 - 12:00				Tut - H11A Zachary Partidge	Tut - F11A Ethan Brown
12:00 - 13:00				Tut - H12A Adam Stucci	Tut - H12B Roger Jiang Tut - F12A Ethan Brown Tut - F12B Jatin Wadhwa
13:00 - 14:00				Tut - H13A Adam Stucci	Tut - F13A Jatin Wadhwa Tut - F13B Roger Jiang
14:00 - 15:00			Lecture	Tut - H14A Jingying Gao	Lecture
15:00 - 16:00				Tut - H15A Jingying Gao	
16:00 - 17:00			Tut - W16A Jingying Gao	Tut - H16A Jingcheng Li	Tut - F16A Dominic Wong
17:00 - 18:00			Tut - W17A Anna Trofimova	Tut - H17A Jingcheng Li	Tut - H17B Anna Trofimova
18:00 - 19:00			Tut - W18A Anna Trofimova		
19:00 - 20:00					

Course Outline

- Introduction & History
- AI Programming
- Search and Problem Solving
- Knowledge Representation and Reasoning
- Machine Learning
- Natural Language
- Robotics & Computer Vision

Related Courses

- COMP3431 Robot Software Architectures
- COMP4418 Knowledge Representation and Reasoning
- COMP9417 Machine Learning and Data Mining
- COMP9444 Neural Networks and Deep Learning
- COMP9517 Machine Vision
- 4th Year Thesis topics (incl RoboCup)

Texts & References

Recommended Text:

- David L. Poole and Alan K. Mackworth *Artificial Intelligence: Foundations of Computational Agents*, 2nd Edition

Additional reference material

- Stuart Russell and Peter Norvig, *Artificial Intelligence: a Modern Approach*, 3rd Edition, Prentice Hall, 2009.
- Ivan Bratko, *Programming in Prolog for Artificial Intelligence*, 4th Edition, Pearson, 2013.

Assessment

- Assessment will consist of:
 - Assignments 2 x 20 = 40%
 - Final Exam 60%
- To pass, you must score
 - at least 16/40 for the assignments
 - at least 24/60 for the exam
 - a combined mark of at least 50/100