Course (Module) Catalogue (Malaysia)

COMP1032   Fundamentals of Artificial Intelligence

Academic Year 2019

Total Credits:	10.00
Level:	1
Target Students:	Qualifying year undergraduate students in the School of Computer Science only. This module is part of the AI, Modelling and Optimisation theme in the School of Computer Science.
Summary Of Content:	Through a two hour lecture once a week, this module gives you a broad overview of the fundamental theories and techniques of Artificial Intelligence (AI). You'll explore how computers can produce intelligent behaviour, and will consider topics such as the history of AI, search techniques, data mining, machine learning, game playing techniques, neural networks, philosophical issues, and knowledge representation and reasoning.

Course Web Links:

Type	Link
Moodle	

Education Aims:	To introduce students to Artificial Intelligence, its history and some key AI techniques.
Offering School:	Computer Science
Convenor:	N/A

Taught Semesters:

Semester
Spring Malaysia

Requisites:	N/A
Additional Requirements:	N/A

Method and Frequency of Class:

Activity	Number of Weeks	Number of sessions	Duration of a session
Lecture	10 weeks	1 week	2 hours
Practicum	10 weeks	1 week	2 hours
Practicum	10 weeks	1 week	2 hours

Activities may take place every teaching week of the Semester or only in specified weeks. It is usually specified above if an activity only takes place in some weeks of a Semester

Method of Assessment:

Assessment Type	Weight	Requirements
Coursework 1	25.00	Two pieces of coursework
Exam 1	75.00	1.5 hr written examination

Activities may take place every teaching week of the Semester or only in specified weeks. It is usually specified above if an activity only takes place in some weeks of a Semester

Assessment Period:

Learning Outcome:

Knowledge and Understanding: Knowledge of key AI techniques.

Intellectual Skills: The ability to think independently while giving due weight to the arguments of others. The ability to analyse algorithms.

Professional Skills: The ability to evaluate available AI techniques and select those appropriate to a given problem.

Transferable Skills: The ability to solve problems and communicate effectively in writing.

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Information on course (module) registration and enrolment can be found on the Course (Module) Enrolment site