COMP 670 – APPLICATION OF ARTIFICIAL INTELLIGENCE

Winter 2018

General Information

Description

This course is an elective in Artificial Intelligence. The course will cover an overview of the principal topics in the field, coupled with a project work in a selected areas.

Prerequisites

- Admission to the Computer Science graduate program or undergraduates with permission of the faculty.

Course Outcomes

- Upon successful completion of this course, students will be able to:
    1. Summarize major topics and research areas of Artificial Intelligence.
    2. Evaluate existing Artificial Intelligence systems.
    3. Implement techniques from Artificial Intelligence to construct a system.

Course Materials

Required Materials

- Jones, T.M. (2008). Artificial intelligence: A systems approach. (1st). Hingham, MA: Infinity Science Press LLC. ISBN: 978-0-9778582-3-1.

Purchasing Course Materials

- The textbook for this course is available at or can be ordered through Franklin University's Bookstore at (614) 947-6828 or (877) 341-6300, ext 6828. Students should have the course number and textbook information available when calling the bookstore. Students can also purchase textbooks online.

Course Outline

Course Topics

Module 1	**Week 1**	Introduction to Artificial Intelligence
Module 2	**Week 2**	Search and AI
Module 3	**Week 3**	AI Games
Module 4	**Week 4**	Knowledge Representations
Module 5	**Week 5**	Machine Learning
Module 6	**Week 6**	Evolutionary Computations
Module 7	**Week 7**	Neural Networks
	Week 8	
Module 8	**Week 9**	Robotics and AI
Module 9	**Week 10**	Intelligent Agents
Module 10	**Week 11**	Biological Inspired AI
	Week 12	