

SU DEPARTMENT OF MATHEMATICS & COMPUTER SCIENCE
SYLLABUS
COSC 411 – Artificial Intelligence

Description: Survey foundational topics in artificial intelligence. Study both exact and probabilistic learning and decision-making frameworks, deterministic and non-deterministic. Consider both historical and state-of-the-art techniques using the Python languages. Discuss ethical and social concerns surrounding the use and development of artificial intelligence. Design agents to solve a wide array of problems, using knowledge representation, uncertainty, learning, and communication. Three lecture-hours per week.

Prerequisites: COSC 211, FOR 701, (PH) ("SCHE)NP5#FOF\$YMO5DH2(TH2MH2(Y2)NPM&MRT M