

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\$ (Y M 5 D H 2 (TH 2 (MH 2 (Y 2) NPM & M R T D