**SYLLABUS TEMPLATE – CHANGE ONLY THE ITEMS HIGHLIGHTED YELLOW**

**COSC 4X98**

**Independent Study**

**Semester: Fall 2018**

**Syllabus**

**Instructor/Research Mentor:** INSERT NAME

**Instructor/Research Mentor Email**: INSERT EMAIL

**Description, Degree Applicability, and Minimum Department Requirements:**

Independent project- or research-based course supervised by a faculty member. The course is designed to provide the student an opportunity to gain or enhance their knowledge of computer science and to conduct in-depth study of a topic of interest related to computer science. Students are graded as satisfactory or unsatisfactory.

**Research Project Description:**

Reports, readings, and discussions on materials relevant to pattern recognition and object identification. This course primary purpose is to develop each student’s ability to understand and master techniques in machine learning, pattern recognition, and image processing. Students will be required to develop their own research project, present a proposal talk, execute the project, present the results in a talk, and write a research paper based on their findings.

**Course Requirements and Expectations:**

Weekly updates and completion of a final report are mandatory. Depending on the number of credits selected, students are required to meet with the instructor for at least one hour per week. This course requires substantial independent work and individual responsibility. If you must miss a scheduled meeting, you must provide a substantial excuse and are responsible for rescheduling the meeting.

**Grading:**

Satisfactory/Unsatisfactory

**Evaluation:**

Grades will be assessed as summarized below:

Weekly discussions /emails 20 % (based on participation, and preparation)

Oral presentation 20 % (based on preparation, format, and style)

Written paper 20 % (based on preparation, format, and style)

Project accomplishment 40% (based on the usability of the final product)