

COMP 4106 - ARTIFICIAL INTELLIGENCE  
WINTER 2016

FINAL PROJECT

DUE DATE: APRIL 7, 2016

## Description

Each student is expected to select a different problem for his or her final project. The project carries 30% of the total grade. As such, the problem studied in the project should be equivalent to at least two (2) class assignments.

The project problem can be in any application domain. However, the problem must be solved using AI techniques. The choice of technique is up to the student. It is not required that the algorithm or approach were covered during the lectures.

## Proposal

Before starting work on the final project, students are expected to submit a *brief* 1-2 page proposal of the project. The proposal, which is due by **March 7, 2016**, should cover:

- Description of the problem domain
- Motivation for the problem
- AI techniques to be used (and here, this can be more as a “proposal”)

## Deliverables

Each student is expected to submit a final report (including source code) which includes:

- The description of the problem domain and the problem.
- The motivation for the problem.
- The AI techniques/algorithms used.
- The design choices you used.
- The results of applying the above-mentioned techniques to the problem. You should list and explain what worked and what did not.
- The possible enhancements to your study.
- A list of the references that your work is based on.
- An Appendix that describes the requirements for running your code.

The report should be clear and concise. The length of the report should be between 5 and 10 pages, and should be proportional to the number of original ideas you implemented. Do not explain simple ideas with long paragraphs. The main objective of your report is to motivate and describe the work, and present the results in a neat and concise manner.