# Artificial Intelligence 2D1380
# Project Instructions

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## 1   Introduction

During the first part of the course, you have to select a project to work on. Course instructors will provide help and discussion according to the timetable posted on the course web. We will give you feedback regarding your ideas toward solutions, sometimes even suggesting modifications and expansions. The main goal here is not to necessarily come up with completely new solutions to problems: you will have to show that you learned something and have the opportunity to gain relevant AI experience in the process.

Keep in mind that this is the major part of the course assessment and that it significantly affects your final grade. The deliverables will include a report, describing your approach and results as well as a presentation.

## 2   Groups

The projects will be carried in groups of four students. You have the opportunity to form the groups yourselves. The sooner you form groups the better. The groups are free to choose which project they want to work on. Refer to the course web page for the deadline for selecting a project.

## 3   Programming

If your project requires you to program, you are free to choose any programming language you want as long as you can demonstrate the system on either a Sun computer in one of the programming halls at NADA or on a personal laptop. There is no direct support from the lectures for the programming so pick a language that you feel comfortable with. This is also something to think about when you form groups. As most of the projects require some programming it is good if at least someone in the group can program.

## 4   Report

The final report should consist of the following:

- a title page with your names and birth dates

- a brief summary of your project and obtained results (Abstract)

- short introduction to the problem and its relationship to the course material

- a summary of your design approach and implementation

- a serious analysis of your experimental results

You should remember that your report is the main method of communicating to the course instructors what you have accomplished and what methodology you have chosen to take. It is therefore very important that the report is well organized and well written. The report should not be longer than 20 pages (excl any source code listings that you might include) since nothing beyond 20 pages will be read. The report must be mailed to both lectures in pdf format. Along with the report you should also send in the source code in electronic format.

# 5 Presentation

Each group, regardless of the group size, will have approximately **fifteen minutes** for the presentation of the project followed by ten minutes of questions from the lectures and the audience. During the presentation, it is important to provide an overview of what has been accomplished and what results have been obtained. You should also be able to motivate the methodology used and possible extensions.

Your oral presentation will give strong indications about what the groups knows and does not know so make sure the presentation clearly shows your accomplishments since these will influence your grade for the overall project. Therefore, we encourage you to practice your presentation beforehand and, very important, make sure that you stick to the time limits. After the fifteen minutes of your presentation have passed, you will be cut off. Strive for clarity, technical accuracy, and polish the presentation.

A computer project will be available to connect your laptop. If you need some special technical equipment you have supply this yourself. Contact the lecturers well in advance if you need assistance.

> **IMPORTANT: all members of the group should be able to answer any questions regarding all parts of the solution and any other questions related to the project!**.

# 6 Code of honour

We apply the code of honor and regulations covering all examination which is set by NADA and can be found at: http://www.nada.kth.se/utbildning/hederskodex/index.html.en