**Title: Course Dependency Graph**

Project Code: H22

**Group Information**

This group is composed of 2 members and the project will be led by Wang, Yufei. The members are:

1. Wang, Yufei Frank
2. Wong, Tsz Nok Joshua

**Project Background and Description**

Undergraduate students have always been scheduling their academic pathway and feeling frustrated in searching multi-layer prerequisites for particular courses. The tool of showing relationship among courses was not yet developed to make the scheduling procedure more smooth.

Given the situation outlined above, we would like to investigate and develop a GUI tool for showing the correlation among courses, including their preceding prerequisites, corequisites and courses excluded or available for enrolling.

**Expected End Result of the Project**

At the end of project, we are expected to deliver a GUI tool that could parse the prerequisite, corequisite and exclusion logic from the description of courses and build a dependency graph with these data. The GUI of the application will be visualising the graph and searching a particular course in the graph canvas.

**OOP & Data Structures to be applied**

**External Libraries to be used**

For this project, we will be using following libraries:

1. Qt

**References**

1. Parsed Course Description in CSV format: <https://github.com/tsznokwong/USTCourseExtract>