COMP3000 Computing Project

40 CREDIT MODULE

ASSESSMENT: 80% Coursework
20% Practice

MODULE LEADER: **Dr Thomas Wennekers**

SUPERVISORS: **Dr Amir Aly, Prof Nathan Clarke, Dr Bogdan Ghita, Dr Kimberly Tam, Dr Hai-Van Dang, Dr Liz Stuart, Dr Vasilios Kelefouras, Dr Wang Miao, Dr Ji-Jian Chin, Dr Joseph Ross, Dr Lauren Ansell, Dr Rory Hopcraft, Dr Martin Read, Dr Mark Dixon**

HKUSPACE SUPERVISORS: **Dr Ivy Wong, Dr Beta Yip**

MODULE AIMS

- To enable the student to undertake an individual project on an approved topic of interest, which addresses a significant computing-related problem relevant to the programme of study.
- To provide an opportunity for the student to integrate many of the threads of their programme of study

ASSESSED LEARNING OUTCOMES (ALO):

1. Demonstrate an investigative component to the project showing consolidation and development of knowledge and understanding relevant to their programme of study.
2. Analyse a significant computing related problem, including an examination of relevant existing approaches, and produce an approved deliverable appropriate to the programme of study that addresses the problem.
3. Manage the project effectively by demonstrating the application of project management skills.
4. programme of study that addresses the problem.
5. Manage the project effectively by demonstrating the application of project management skills.
6. Identify and take due consideration of the legal, ethical, social and professional issues that are appropriate to the project.

OVERVIEW

This document provides information regarding the COMP3000HK Computing Project module. You will find information here regarding how the module will be delivered, the important dates you need to keep in mind and how the module will be assessed.

This module is an all year, 40 credit, final year module where you address a significant problem and apply technology to solve it. This is the culmination of your degree, the opportunity to demonstrate everything you have learnt to date. Students are expected to complete approximately 400 hours of work for the project (approximately 15 hours per week during term time) throughout the academic year.

Because this is the culmination of your degree, you MUST choose a project that aligns with your degree title and you MUST create an artefact, software or otherwise.

This module is twice the credits of any taught module and similar to the other project modules you may have done before. This is not just a technical module, but it is also academic. You will need to write in a good academic style, you will need to consider the wider picture than just the technology you are using, and you will need to deliver a good result, usually an application or some research results, the latter, ideally written up in a paper draft.

The project management methodology that is required for this project is Agile. This requires you to begin with a project vision, an overall project plan showing how you will carry out two-week sprints, a risk management plan and a set of keywords. Once you have negotiated your supervisor you should spend sprint zero getting ready, deciding on the technologies to use, setting up your development environment, your test environment and identify your initial product backlog. From there you should create a schedule of sprints identifying when you will make your releases.

During the academic year you must attend supervision sessions with your supervisor. These will be stand-up meetings with a few other students where you outline what has been done to date, what you intend to do and to bring into the open any barriers you are facing. Discussions with your supervisor are to be held during these meetings. The project supervision meetings are work-related only. It is your responsibility to make good use of these project meetings – telling your supervisor superficially “it’s all going ok” does not help them give you guidance and is an even worse approach when it is not going ok and you fail to deliver. You will be expected to show evidence of work completed at each meeting.

Sprints are expected to happen every two weeks, to be planned and based on the product backlog. Your product backlog will be refined as you progress through the project. You must be prepared to demonstrate and show work in progress at each of your meetings and to have a regular release of some functionality.

MODULE DELIVERY

In this section you can find information about how the module will be delivered, who will be delivering it and an overview of the schedule. Please note that the schedule may need to change if the circumstances arise.

The module is assessed by two elements, 80% coursework and 20% practice. The coursework is your portfolio that you build up over the time of the project, the practice is your presentations, video and final viva. The assessment considers the interim deliverables that you create and present throughout the course of the project as well as your final set of deliverables.

The final submission combines the total of your work, your technical solution, your writing, and your project management. There will be a final project viva where you discuss your work with two examiners.

Delivery format: Small group meetings with your supervisor during scheduled lessons.
Duration: 24 weeks across 2 semesters

Attendance

Attendance will be monitored by registering students who physically attend the supervisor meetings.

ASSESSMENT

The assessment for this module is made up of two elements, an 80% coursework and 20% practice element. To pass this module you must achieve an overall grade of 40% across both elements.

Further details on the specifics of the assessments are provided in a separate document.

REFERRAL

Students are allowed 2 attempts at any module. However, without Extenuating Circumstances (EC's) the second attempt is capped at 40%.

All marks for assessments are provisional when issued to you. They become confirmed after a panel meeting that takes place (usually) in June. After that panel, if you have failed the module, the panel can offer you one of two decisions. The first decision may be to offer you the chance to take the module again over the summer, or if you have failed a number of modules, they may offer you the chance to repeat the module the following year.

Please note doing the module as a referral is not easier. In some ways it is harder because there is no more tuition. The project module is different from other referrals as you will be allowed to continue with your original project idea. However, if you have not been able to complete any work during the academic year, the referral is not appropriate for you, and you must repeat the module. If in doubt, speak with your supervisor.