

FYP/FYT 2019-2020 Information Seminar

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Overview of https://www.cse.ust.hk/ug/fyp/?fyp_year=2019-2020

Visit the web pages for details



DEPARTMENT OF
COMPUTER SCIENCE & ENGINEERING

About People

Final Year Projects/Final Year Theses (COMP/CPEG) 2019-2020

[Deadlines](#)

[Grading Scheme](#)

[Computing Facilities for FYP](#)

[FAQ for Students](#)

[Useful Links](#)

Date	Event	Notes
2019-04-10 (Wednesday), 6-7pm	Information Seminar	Attend 2019-20 FYP/FYT Information Seminar scheduled to be held on 10 / Check out Group Mates Finders if you are looking for group mates for your
2019-04-12 (Friday), 0:01am	Project Descriptions Released to Students	Sign into the FYP Management System for the details of the project/thesis Check out Before Starting and Getting Started with Your FYP , prepared by tl Get familiar with the Computing Facilities for FYP .
2019-04-16 (Tuesday), 0:01am	Project Registration Opens	Choose a project/thesis by registering online. Note that you are committed The earlier you make the commitment between you and the project advisor

Final year projects (FYP) and final year theses (FYT) are

- ▶ **Required** for COMP, CPEG, COGBM, DSCT and CPGBM
- ▶ **Optional** for COSC.



The objectives of FYP/FYT are to:

- ▶ Provide an opportunity for the student to **apply and integrate the knowledge** acquired throughout his/her undergraduate study.
- ▶ Develop the **capabilities** of a student in analyzing and **solving complex** and possibly real-case **problems**.
- ▶ Develop a student's **skills** in the systematic development, **documentation** and **presentation** of a significant piece of work.



FYP vs FYT

- ▶ FYP is an **option** for students with CGA of **at least 3.70 (A-)**
 - ▶ Each FYT project is a research project for **one student**
- ▶ Each FYP project is for **2 ~ 4 students**
 - ▶ One-person projects are not allowed
- ▶ FYP and FYT are year-long courses:
 - ▶ Three semesters: **Summer 2019, Fall 2019, Spring 2020.**
 - ▶ 6 credits (1, 2, 3) distribution. PP grade will be given in the first two semesters



One Project, Two Systems

A screenshot of a web browser showing the login page for the CSE Final Year Project Management System 2019-2020. The browser's address bar shows the URL <https://fypms.cse.ust.hk/2019/>. The page title is "CSE Final Year Project Management System 2019-2020 (For CSE Department Only)". Below the title, there is a login form with fields for "Username:" and "Password:", and a "Login" button. A note below the form states: "Note that your username is your user account name in CSE, while the password is your PC Windows login password."

Project Management

- ▶ Form team
- ▶ Bid for project
- ▶ Submit reports

A screenshot of the ARQ Registry Services website. The page features a purple and green header with the text "ARQ Registry Services" and "Academic". Below the header, there is a large image of two students looking at a laptop. To the right of the image, the text "Course Registration" is displayed in yellow, with a list of links: "For UG Students", "For PG Students", "For Staff", and "Class Schedule". At the bottom of the image, there is a purple banner with the text "For UG Students".

- [Introduction](#)
- [Class Enrollment Schedule](#)
- [Course and Program](#)
- [Important Concepts](#)
- [FAQ](#)

Introduction

Class enrollment of undergraduate students is processed with the web-based Student In

The main system functions include the following:

- Students can view their own class timetable

Course Registration

- ▶ COMP 4981/4981H
- ▶ CPEG 4901/4902
- ▶ LANG 4030

Things to Do in April

- ▶ **ASAP:** Form your team
 - ▶ Check out [Group Mates Finders](#) if you are looking for group mates for your FYP.

- ▶ **ASAP:** Try to login to FYP MS
 - ▶ All COMP, CPEG, COSC, COGBM and CPGBM students who are expected to do fyp in 2019-20 are included in <https://fypms.cse.ust.hk/2019/>.
 - ▶ Messages you will get when you try to login:
 - ▶ **“System is not available”**: Normal. System opens on April 12.
 - ▶ **“No account”**: Contact FYP Coordinator (lzhang@cse.ust.hk)
 - ▶ **“Incorrect password”**: Contact CS system (cssystem@cse.ust.hk)

Things to Do in April

- ▶ **2019-04-12, 00:01am and onwards:**
 - ▶ **Check projects** at the FYP Management System
 - ▶ Approach project supervisors for more information and express interest

- ▶ **2019-04-16, 00:01am and onwards:**
 - ▶ **Bid** for projects at FYPMS
 - ▶ **Supervisors** can **commit** projects any time after April 16.

 - ▶ When **you bid for a project, you are making a commitment** to undertake the project. This is the case regardless of the priority that you assign to it.
 - ▶ The priority only matters if the supervisor decides to contact you before committing. However, some supervisors might not do that
 - ▶ **Once committed, a project cannot be uncommitted without mutual consent.**

Course Registration

▶ General cases

- ▶ Students who have committed a project/formed a team in FYPMS **by the end of this semester** will be **pre-enrolled** in the fyp/fyt courses in Summer 2018-2019, Fall 2019-2020, Spring 2019-2020.
- ▶ Uncommitted students will be assigned, somewhat randomly, to projects in **June 2019**, and will need to handle course enrollment themselves.

▶ Students on internship or exchange-out

- ▶ Will be addressed later

Things to Do beyond April

- ▶ Summer 2019: Get started with your project
- ▶ 2019-09-19: Project proposal report due
- ▶ 2019-10-25: Individual ethics essay due
- ▶ 2020-02-14: Progress report due
- ▶ 2020-04-15: Final report & other reports due
- ▶ 2020-04-23: Poster due
- ▶ 2020-04-25/05-02: Oral presentation and demo (physical presence is required)
- ▶ 2020-05-04: Program code due

What is the grading scheme?

- ▶ Your project will be graded by your **supervisor**, an independent **second reader**, and **a communication tutor**.
- ▶ 100% Course grade = 60% Supervisor + 40% Reader

Grading Items	Faculty Supervisor Weight 60%	Second Reader Weight 40%
Proposal Report	5%	5%
Individual Short Essay	5% (By Comm Tutor)	NA
Progress Report	20%	15%
Final Report	35%	35%
<ul style="list-style-type: none">• Oral Presentation + Demo (FYP)• Thesis Defense (FYT)	30%	40%
Monthly Report (Oct,Nov,Dec/January)	5%	NA
Poster Session	NA	5%

Support for FYP/FYT

- ▶ Communication Tutors (<http://www.cse.ust.hk/ct/>) help with
 - ▶ FYP report development and copy editing
 - ▶ FYP posters
 - ▶ FYP oral presentations

They also maintain a nice collection of past fyp reports and best fyp videos

- ▶ FYP equipment available for loan
 - ▶ <http://www.cse.ust.hk/ug/fyp/facilities/>

Admin Support for FYP/FYT

- ▶ CSE Office: Hilda (cshilda@cse.ust.hk), Jacqueline (jacquelinec@cse.ust.hk). Admin matters such as registration.
- ▶ The FYP Team: Nevin L Zhang (lzhang@cse.ust.hk), Cindy Li (lixin@ust.hk). Policy matters.
- ▶ FYPMS: CS system (cssystem@cse.ust.hk). System matters.

Information

- ▶ You are encouraged to attend the **oral presentations of some of the projects from 2018-2019**. The schedule is at: <http://www.cse.ust.hk/ug/fyp/presentation/>
- ▶ **Useful links** at the bottom of https://www.cse.ust.hk/ug/fyp/?fyp_year=2019-2020
 - ▶ FAQ for Students
 - ▶ Grading Rubrics
 - ▶ Monthly Report, Essay and Self-Assessment Report Templates (.docx)
 - ▶ Poster Templates (Gallery)
 - ▶ List of Best FYP Videos
 - ▶ List of Distinguished Final Year Projects
 - ▶ Thesis Writing: Problem/Purpose Statement and Questions
 - ▶ How to Write a Great Research Paper

Technical Issues

Issue 1: Internship and Exchange

http://www.cse.ust.hk/ug/fyp/faq/?fyp_year=2019-2020#intern_exchout

▶ General Guidelines

- ▶ Obtain **written agreements** with your supervisor and group mates and submit them to admin
- ▶ **Follow the due dates** for various reports
- ▶ **Must be present for the final oral presentation**

▶ Course Registration

- ▶ Cannot enroll in FYP/FYT courses while on leave
- ▶ Enroll in the appropriate FYP/FYT courses yourself upon return
- ▶ The credit(s) for the leave period will be automatically moved to the following semester

Issue 2: CPEG Students Taking CSE Projects

http://www.cse.ust.hk/ug/fyp/faq/?fyp_year=2019-2020#mixed

- ▶ CPEG students are included in both the CSE FYPMS and the ECE FYPMS. Once they commit to projects in one system, their names will be removed from the other system.
- ▶ CPEG students can form groups with CSE students.
- ▶ CPEG students are encouraged to select projects which involve **both software and hardware or integrative system design**. Some supervisors might explicitly state that their projects are “suitable for CPEG students”.
- ▶ Students in CSE-CPEG mixed groups need to register for their respective courses: **COMP 4981** and **CPEG 4901**

Issue 3: Early-Taking of FYP/FYT ?

- ▶ FYP/FYT are intended for students who are expected to graduate in 2020.
 - ▶ B3002,BEng(CPEG): year 3
 - ▶ B3301,BEng(COMP): year 3, year 4 student not taking FYP last year
 - ▶ B3302,BSc(COSC): year 3
 - ▶ B6105,BEng&BBA(COGBM): year 4
 - ▶ B6106,BEng&BBA(CPGBM): year 4
- ▶ Other students will to be allowed only if you can show that you will graduate in 2020
 - ▶ No. of credits > 80 by end of Spring 2019 (COGBM and CPGBM: > 130)
 - ▶ CGA > 3.0
 - ▶ Study Plan

Send your request to the FYP coordinator: Nevin L. Zhang (lzhang@cse.ust.hk)

New Co-Op Program

- a new pilot program for CSE/CPEG/ECE
- allows you to work on your FYP in a company setting

Highlights

- You work **FULL-TIME** as an intern in a company for at least 5 months (which may start around Sep 2019 or Jan 2020)
- Your job duty is mainly working on a project that is a **REPLACEMENT** of your FYP
- You gain valuable working experience and complete your FYP during that time
- You work under the guidance of an industrial supervisor

Note

- Since you are working full-time for a few months, you will need to arrange your course work to make room for that
 - you should have a **relatively light remaining course workload**
- As it is a pilot program, we have a few selected companies that have agreed to offer co-op positions for our students

Please note that the application of Coop FYP 2019-20 was closed.

Q&A