

FYP/FYT 2018-2019 Information Seminar

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What are FYP and FYT?

- ▶ Final year projects (FYP) and final year theses (FYT) are
 - ▶ **Required** for COMP and CPEG, and
 - ▶ Optional for other programs such as COSC.
- ▶ The objectives are:
 - ▶ 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.

What are FYP and FYT?

- ▶ FYT is an option for students with CGA of at least 3.70 (A-)
 - ▶ Each FYT project is a research project for one student
 - ▶ The course codes are: COMP 4981H and CPEG 4902
- ▶ Each FYP project is for 2 ~ 4 students
 - ▶ The course codes are: COMP 4981 and CPEG 4901
 - ▶ One-person projects are not allowed
- ▶ FYP and FYT are year-long courses:
 - ▶ Three semesters: Summer 2018, Fall 2018, Spring 2019.
 - ▶ 6 credits (1, 2, 3) distribution. PP grade will be given in the first two semesters

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 Year-3 students in COMP, CPEG, COSC, RMBI, COGBM, and CPGBM are included in the FYP Management System <https://fypms.cse.ust.hk/2018/>.
- ▶ Follow the system prompt instructions for further actions.
 - ▶ Login later, contact system, or contact fyp coordinator

Things to Do in April

- ▶ **2018-04-20, 00:01am and onwards:**
 - ▶ **Check projects** at the FYP Management System
 - ▶ Approach project supervisors for more information and express interest
- ▶ **2018-04-24, 00:01am and onwards:**
 - ▶ **Bid** for projects at FYPMS
 - ▶ **Supervisors** can **commit** projects any time after April 24
 - ▶ 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, Fall 2018, Spring 2019**.
- ▶ Uncommitted students will not be pre-enrolled.

▶ Students on internship or exchange-out

- ▶ Will be addressed later

Things to Do beyond April

- ▶ Summer 2018: Get started with your project
- ▶ 2018-09-20: Project proposal report due
- ▶ 2018-10-20: Individual ethics essay due
- ▶ 2019-02-14: Progress report due
- ▶ 2019-04-17: Final report & other reports due
- ▶ 2019-04-25: Poster due
- ▶ 2019-04-27/05-04: Oral presentation and demo
- ▶ 2019-05-03: Program code due

What is the grading scheme?

- ▶ Your project will be graded by your **supervisor** and an independent **reader** for 5 components.
- ▶ 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 (Sep,Oct,Nov,Dec,Feb) | 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/>

Information

- ▶ You are encouraged to attend the **oral presentations of some of the projects from 2017-2018**. The schedule is at: <http://www.cse.ust.hk/ug/fyp/presentation/>
- ▶ **Useful links** at the bottom of http://www.cse.ust.hk/ug/fyp/?fyp_year=2018-2019
 - ▶ 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

Admin Support for FYP/FYT

- ▶ CSE Office: Hilda (cshilda@cse.ust.hk), Jacqueline
- ▶ Your academic advisors
- ▶ The FYP Team: Cindy Li (lixin@ust.hk), Nevin L Zhang (lzhang@cse.ust.hk)
- ▶ FYPMS: Yau Lam Yiu <yiucse@cse.ust.hk>

Technical Issue 1: Internship and Exchange

http://www.cse.ust.hk/ug/fyp/faq/?fyp_year=2018-2019#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

▶ Course Registration

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

Technical Issue 2: Mixed Groups

http://www.cse.ust.hk/ug/fyp/faq/?fyp_year=2018-2019#mixed

- ▶ We encourage students to form "mixed" FYP groups composed of CSE and CPEG students.
- ▶ Two different course codes: **COMP 4981** and **CPEG 4901**
- ▶ If you encounter problems with course registration, contact
 - ▶ Ms Hilda CHAN (cshilda@cse.ust.hk) of CSE Department or
 - ▶ Ms Vicky YUEN (eevicky@ust.hk) of CPEG Department.

Technical Issue 3: Early-Taking of FYP/FYT

- ▶ FYP/FYT are intended for students in 3rd year as of April 2018, i.e., those who are expected to graduate in 2019.
- ▶ Other students will to be allowed only if you can show that you will graduate in 2019

| Guidelines | About | Evidence/Doc Submitted | Approved By |
|------------|---------------------|-----------------------------|--------------------|
| 1 | No. of credits > 80 | Student's Transcript | FYP coordinator |
| 2 | CGA > 3.0 | Student's Transcript | FYP coordinator |
| 3 | Recommendation | Project Supervisor's Email | Project Supervisor |
| 4 | FYP Team Up | Student's Email | FYP coordinator |
| 5 | Study Plan | Academic Supervisor's Email | Academic Advisor |

Topic Distribution of Past Projects

| Topic | 2015 | 2016 | 2017 |
|-------------------------------|-----------|-----------|-----------|
| Software Technology | 29 | 15 | 11 |
| Mobile and Wireless Computing | 14 | 6 | 4 |
| Database | 7 | 5 | 6 |
| Vision and Graphics | 9 | 13 | 15 |
| Mobile Gaming | 0 | 0 | 1 |
| Networking | 3 | 3 | 1 |
| Theory | 1 | 0 | 0 |
| Computer Games | 6 | 9 | 16 |
| Artificial Intelligence | 10 | 3 | 8 |
| Human Language Technology | 0 | 0 | 0 |
| Embedded Systems and Software | 0 | 1 | 2 |
| Operating Systems | 0 | 1 | 1 |
| Miscellaneous | 5 | 8 | 3 |
| Mobile Applications | 15 | 13 | 15 |
| N/A | 2 | 1 | 4 |
| Total | 90 | 78 | 87 |

| | | | |
|-----|----|----|----|
| FYP | 75 | 66 | 72 |
| FYT | 15 | 12 | 15 |

Q&A