2017/18 FYP/FYT Information Seminar

Wilfred Ng
(FYP coordinator 2017-18)

19 April 2017, LTC, 6:00pm to 7:00pm

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Agenda

- **What is FYP/FYT?**
- **Why should you take it?**
- **Who should take it?**
- **Which is the right FYP course?**
- **How to get started?**
- **What is the grading scheme?**
- **What is the support for the course?**
- **How to deal with internship, exchange or leaves?**
- **What should you prepare in April?**
- **Further Reference of past FYPs**

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What is FYP/FYT?

- **FYP - a team between 2 and 4 doing a CSE project**
- **FYT - one person on research project (>A- or CGA 3.7)**
- **A year-long course, starting from Summer, then Fall, then Spring**
- **6 credits (1, 2, 3) distribution. PP grade will be given in the first two semesters**
- **Different reports should be submitted throughout**
- **Course code for 4Y:**
  - COMP4981 (COMP4988, CEPG) for FYP
  - COMP 4981H (COMP4989, CPEG) for FYT (necessary for opting research option)

Why should you take it?

- **A requirement to complete the degree program**
  - Apply what you learnt in a large scale project
  - Team work and project management skills

COMP4981

The objectives of this course are to:

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

On successful completion of this course, students are expected to be able to:

1. Develop original solutions to computer science engineering problems of significant complexity.
2. Utilize prior knowledge, independent research, published information, and original ideas in addressing problems and generating solutions.
3. Critically evaluate different design concepts, and justify the final choice of design through engineering analysis.
4. Use software engineering tools to plan, design, implement, validate and maintain a project.
5. Prepare and deliver a well structured written analysis of a project, as well as an oral presentation.
6. Establish relationships and implement practices with team members and advisors that will underpin a high level of performance and encourage continuous improvement.

Who should take it?

- **Final year students mainly**

- **COMP programs**
  - (BEng, BSc(optional))

- **CPEG program**

- **Dual degree programs**
  - (COGBM, CPGBM)

Which is the right FYP course?

- **COMP4981 and COMP4981H for 4Y CSE programs**
- **COMP4988 and COMP4989 for 4Y CPEG programs**
- **Some complications for 3Y/4Y mixed groups**

		3Y student	4Y student
CPEG student		**COMP4991** (8 credits)	**COMP4988** (6 credits)
CSE student		**GR-23 form for 4Y CPEG student** **COMP4991 (8 credits)**	
3Y student **COMP4982** (7 credits)	GR-23 form for 4Y CSE student / COMP4982 (7 credits)	**GR-14 form for 3Y CSE student** **COMP4991** (8 credits)	**GR-23 form for 4Y CPEG student** **COMP4982** (7 credits)
4Y student **COMP4981** (6 credits)		**GR-23 form for 4Y CSE student** **COMP4991** (8 credits)	**COMP4981** **COMP4988** (6 credits)

How to get started?

- **Step 1: Forming a good team ASAP!**
- **Step 2: Checking project descriptions on 21-April**
- **Step 3: Approaching the project supervisors to get more information (emails, meetings, briefing sessions)**
- **Step 4: Register all the interested projects (bidding only) before 25-April**
- **Step 5: Commit the project (by the project supervisor)**

- **Should follow the schedule in the FYP information page**

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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%
• Oral Presentation + Demo (FYP) • Thesis Defense (FYT)	30%	40%
Monthly Report (Sep,Oct,Nov,Dec,Feb)	5%	NA
Poster Session	NA	5%

What is the support for the course?

- **Detailed information from FYP page as a schedule/milestones**
  - Should read carefully

- **FYP management system: Useful site**

- **Computing facilities (cssystem): Useful site**

- **Communication Tutors (Ted and Norliza): Useful site**
  - Should meet CTs before submitting reports

- **CSE general office staff (Sharon, Jacqueline)**

- **Academic advisors (Cindy and personal academic advisor)**

- **Me – FYP coordinator!**

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How to deal with internship, exchange or leaves?

- **Advice:**
  - Can also do FYP but it depends on individuals (e.g. able to cope with workload stress)
  - Communicate clearly with all parties the plan (e.g. able to catch up the presentation exam or not)
  - Should also follow all the FYP activities and submit documents on time (e.g. able to maintain team efforts)
- **Must do:**
  - Agreement and arrangement from your team members
  - Agreement and arrangement from your supervisor
  - Record to CSE office your leave

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How to deal with internship, exchange or leaves?

- **Risks:**
  - May not be able to come on doing presentation - defer graduation
  - May not be able to catch up necessary work – get poor grade
- **Attention:**
  - All written agreements from your supervisor and groupmates should be kept
  - Should report to office your returning
  - Should register the FYP course yourself to resume the course
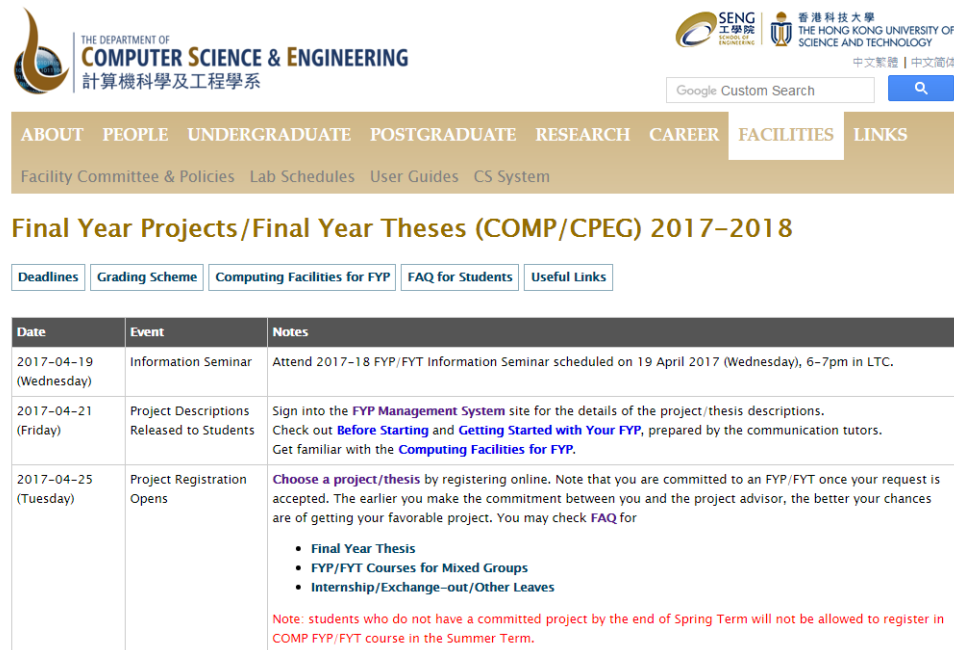
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What should you prepare in April?

- **Get Started! Form a good team NOW!**
  - We do not provide matching of team members
- **Read http://www.cse.ust.hk/ug/fyp/?fyp_year=2017-2018 carefully**

What should you prepare in April?

- **Do the two events on 21-April and 25-April**

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Date	Event	Notes
2017-04-19 (Wednesday)	Information Seminar	Attend 2017–18 FYP/FYT Information Seminar scheduled on 19 April 2017 (Wednesday), 6–7pm in LTC.
2017-04-21 (Friday)	Project Descriptions Released to Students	Sign into the **FYP Management System** site for the details of the project/thesis descriptions. Check out **Before Starting** and **Getting Started with Your FYP**, prepared by the communication tutors. Get familiar with the **Computing Facilities for FYP**.
2017-04-25 (Tuesday)	Project Registration Opens	**Choose a project/thesis** by registering online. Note that you are committed to an FYP/FYT once your request is accepted. The earlier you make the commitment between you and the project advisor, the better your chances are of getting your favorable project. You may check **FAQ** for • **Final Year Thesis** • **FYP/FYT Courses for Mixed Groups** • **Internship/Exchange-out/Other Leaves** Note: students who do not have a committed project by the end of Spring Term will not be allowed to register in COMP FYP/FYT course in the Summer Term.

What should you prepare in April?

- **In our FYP Management system, bid for your preferred projects https://fypms.cse.ust.hk/2017/**
- **Once a project is committed by a supervisor, it cannot be uncommitted by students**

What should you prepare in April?

- **Important Deadlines**

Documents/Activities	Due at 5pm for document submission
Proposal Report	21-09-2017
Individual Essay	16-10-2017
Progress Report	15-02-2018
Final Report + Monthly Reports	19-04-2018
FYP Poster	20-04-2018
Self Assessment Report	19-04-2018
Oral Presentation	21-04-2018 (Sat) 28-04-2018 (Sat)

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Further Information

- **2016 or earlier FYP/FYT**

  - Projects
  - Presentation schedule (2016)
  - Poster Display
  - Best FYP
  - FYP Video Award

Further Information on Enrollment

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

2015 FYP/FYT Topics Covered

- 248 students
- 36 supervisors
- 75 FYPs + 15 FYTs

2016 FYP/FYT Topics Covered

- 211 students
- 28 supervisors
- 66 FYPs + 12 FYTs

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Further Information

- **2016 or earlier FYP/FYT**

    - Presentation schedule (2016/17)
        - 22, 29 April 2017 (Sat)
        - Full information: Schedule
    - Poster Display
        - 2017-05-9 (Tuesday) to 2017-05-18 (Thursday)
        - Outside LTB
    - Best FYP: records in the past
    - FYP Video Award: records in the past

Q & A

- **Thanks!**

Guidelines for early-taking FYP/T

Guidelines	About	Evidence/Doc Submitted	Approved By
1	a. Have all the CSE foundation courses by Spring of 2nd year b. No of credits $\geq$ 80*	Student's Transcript	FYP coordinator
2	CGA $\geq$ 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 Supervisor

*For less than 80 credits, #5 should also be approved by FYP coordinator
For DE (subdegree direct entry) students, "early year" is defined by DE coordinator.

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