2017/18
FYP/FYT
Information Seminar

Wilfred Ng
(FYP coordinator 2017-18)

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

<table>
<thead>
<tr>
<th>CPEG student</th>
<th>3Y student</th>
<th>4Y student</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSE student</td>
<td>COMP4991 (8 credits)</td>
<td>COMP4988 (6 credits)</td>
</tr>
<tr>
<td>3Y student</td>
<td>GR-23 form for 4Y CPEG student</td>
<td>COMP4991 (8 credits)</td>
</tr>
<tr>
<td>COMP4982 (7 credits)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4Y student</td>
<td>GR-3 form for 4Y CSE student</td>
<td>COMP4982 (7 credits)</td>
</tr>
<tr>
<td>COMP4981 (6 credits)</td>
<td></td>
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</tbody>
</table>
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
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

<table>
<thead>
<tr>
<th>Grading Items</th>
<th>Faculty Supervisor Weight 60%</th>
<th>Second Reader Weight 40%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proposal Report</td>
<td>5%</td>
<td>5%</td>
</tr>
<tr>
<td>Individual Short Essay</td>
<td>5% (By Comm Tutor)</td>
<td>NA</td>
</tr>
<tr>
<td>Progress Report</td>
<td>20%</td>
<td>15%</td>
</tr>
<tr>
<td>Final Report</td>
<td>35%</td>
<td>35%</td>
</tr>
<tr>
<td>Final Report</td>
<td>35%</td>
<td>35%</td>
</tr>
<tr>
<td>• Oral Presentation + Demo (FYP)</td>
<td>30%</td>
<td>40%</td>
</tr>
<tr>
<td>• Thesis Defense (FYT)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Monthly Report (Sep,Oct,Nov,Dec,Feb)</td>
<td>5%</td>
<td>NA</td>
</tr>
<tr>
<td>Poster Session</td>
<td>NA</td>
<td>5%</td>
</tr>
</tbody>
</table>
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!
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
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
What should you prepare in April?

- **Get Started! Form a good team NOW!**
  - We do not provide matching of team members
What should you prepare in April?

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

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>2017-04-19 (Wednesday)</td>
<td>Information Seminar</td>
<td>Attend 2017-18 FYP/FYT Information Seminar scheduled on 19 April 2017 (Wednesday), 6-7pm in LTC.</td>
</tr>
<tr>
<td>2017-04-21 (Friday)</td>
<td>Project Descriptions Released to Students</td>
<td>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.</td>
</tr>
</tbody>
</table>
| 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**

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

- 2016 or earlier FYP/FYT
  - Projects
  - Presentation schedule (2016)
  - Poster Display
  - Best FYP
  - FYP Video Award
### Further Information on Enrollment

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

#### 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
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

<table>
<thead>
<tr>
<th>Guidelines</th>
<th>About</th>
<th>Evidence/Doc Submitted</th>
<th>Approved By</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>a. Have all the CSE foundation courses by Spring of 2nd year</td>
<td>Student’s Transcript</td>
<td>FYP coordinator</td>
</tr>
<tr>
<td></td>
<td>b. No of credits ≥ 80*</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>CGA ≥ 3.0</td>
<td>Student’s Transcript</td>
<td>FYP coordinator</td>
</tr>
<tr>
<td>3</td>
<td>Recommendation</td>
<td>Project Supervisor’s Email</td>
<td>Project Supervisor</td>
</tr>
<tr>
<td>4</td>
<td>FYP Team Up</td>
<td>Student’s Email</td>
<td>FYP coordinator</td>
</tr>
<tr>
<td>5</td>
<td>Study Plan*</td>
<td>Academic Supervisor’s Email</td>
<td>Academic Supervisor</td>
</tr>
</tbody>
</table>

*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.