

Jan. 2019



THE UNIVERSITY OF HONG KONG

DEPARTMENT OF  
COMPUTER SCIENCE

Capstone Experience



# MSc(CS) Curriculum Requirement

- Students are required to complete 72 credits of courses selected from the syllabus which must include capstone experience.
- Students can study in one of the following enrollment modes:
  - ❖ 8 Courses (48 credits)\* + Dissertation (24 credits)
  - ❖ 10 Courses (60 credits)\* + Project<sup>#</sup> (12 credits)

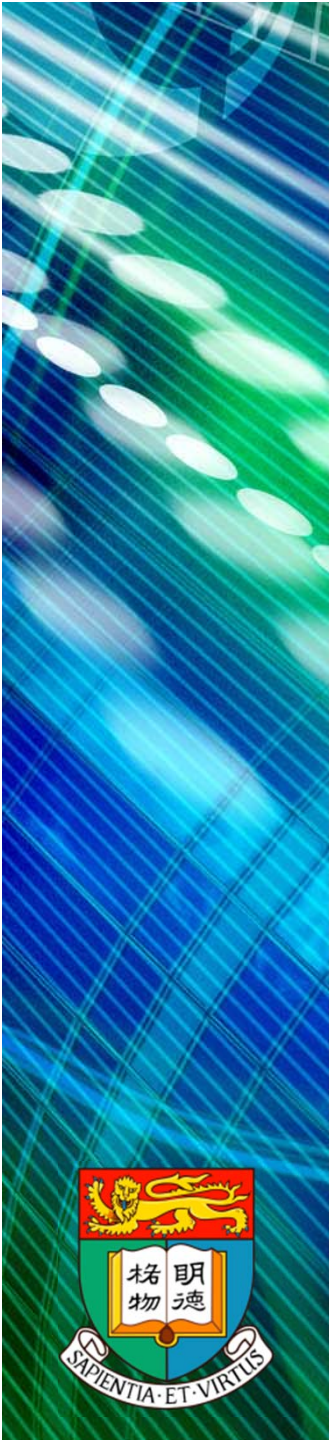
*\*Each course normally carries 6 credits*

*<sup>#</sup>For cohort 2018 students only*



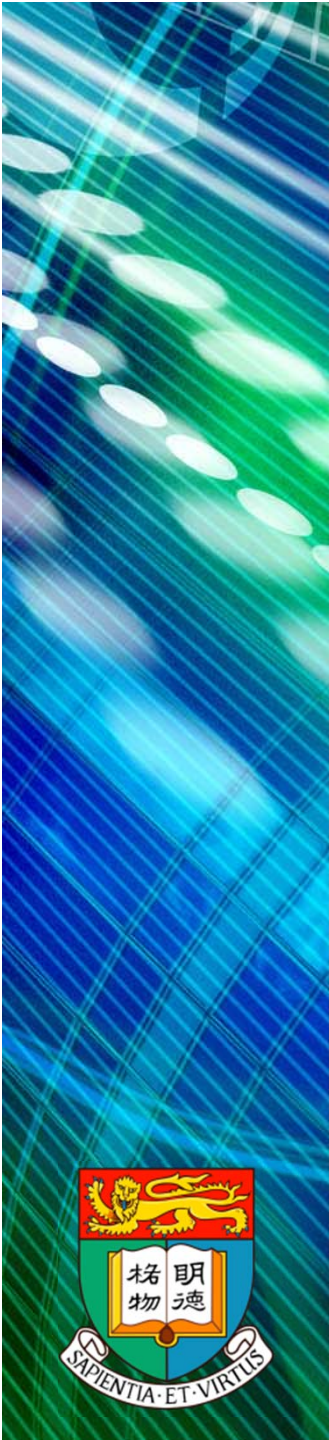
# MSc(CS) Curriculum Requirement

- Dissertation / Project option
  - ❖ Full-time students: Second Semester in Year 1
  - ❖ Part-time students: Second Semester in Year 2
- Non-general specialized streams must complete the dissertation / project under the same stream
- Assessed by examiners consisting of
  - ❖ Supervisor
  - ❖ Assigned second examiner
  - ❖ Judge panel
  - ❖ Moderator



# Project (COMP7705)

- Group project
  - ❖ 1-5 students
  - ❖ Same study mode (e.g. all members are full-time students)
- Practical self-propose topics, can seek advice from potential supervisor
- Duration: 2 semesters (Second & Summer Semester)
- Only starts in 2nd semester of the academic year, i.e. mid-Jan
- Must completed by summer semester of the same academic year, i.e. August 2019
- There will be "no extension"
- Internship is NOT allowed after enrolment





# Enrolment Process

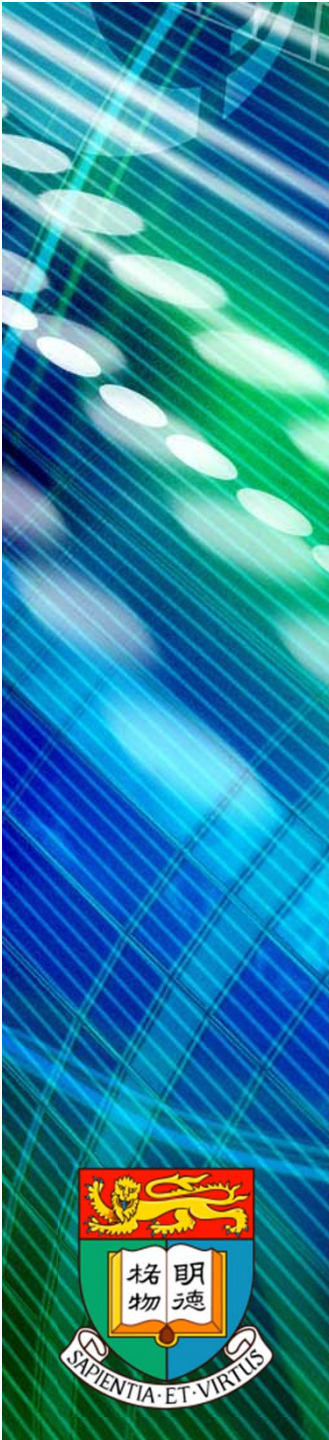
1. Form a group
2. Find a potential supervisor
3. Submit an enrolment form and a short proposal on the topic by 31 January 2019
4. Confirmation of project topic and supervisor



# Assessment

- Detailed Proposal
- Webpage
- Project Status Presentations
- Interim Report
- Poster Exhibition
- Oral Examination
- Project Report

*Intra-group peer review*



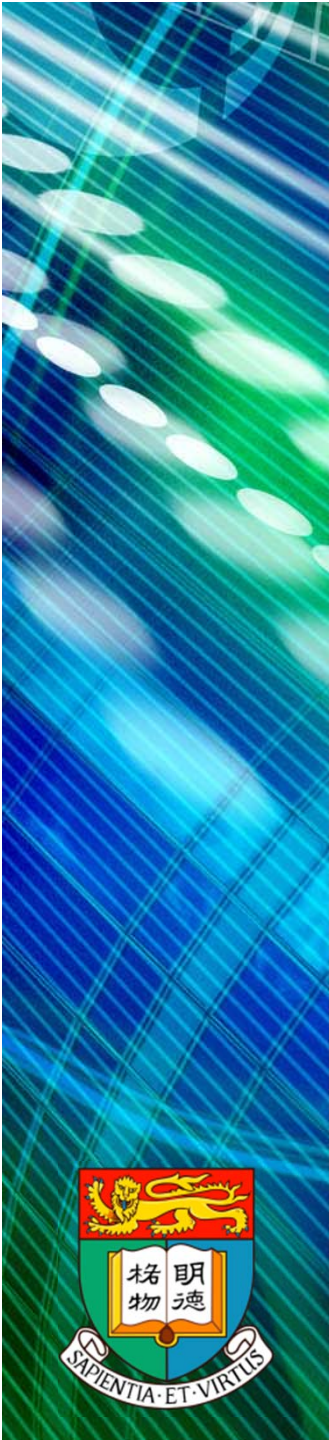
# Timeline

Detailed Proposal	March
Interim Report	June 1
Project Status Presentations	June - July
Poster Exhibition	June / July
Project Report	August 1
Oral Examination	First 2 weeks of August
Revised Report	August 15



# Detailed Proposal

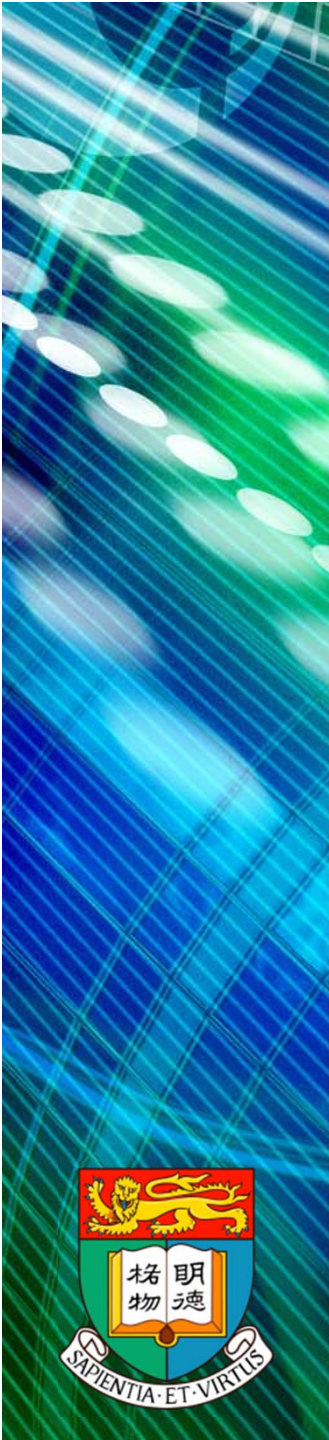
- Submit detailed proposal within 1 month of the allocation
  - Objectives and scope
  - Schedule
  - Milestones with estimated learning hours
- Consult with your supervisor!





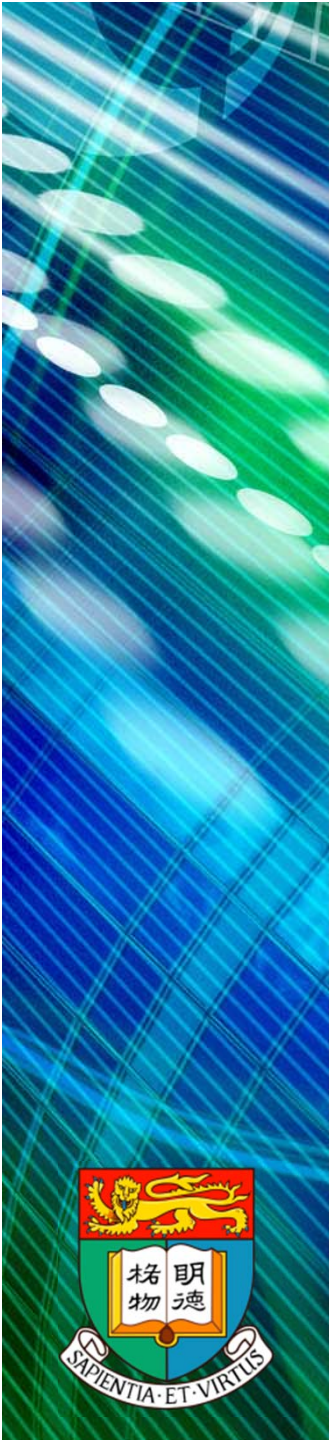
# Webpage

- Design a project webpage
- Place it into a project account allocated by the CS Technical Office
- Keep the webpage updated
- Supervisors can closely monitor the progress



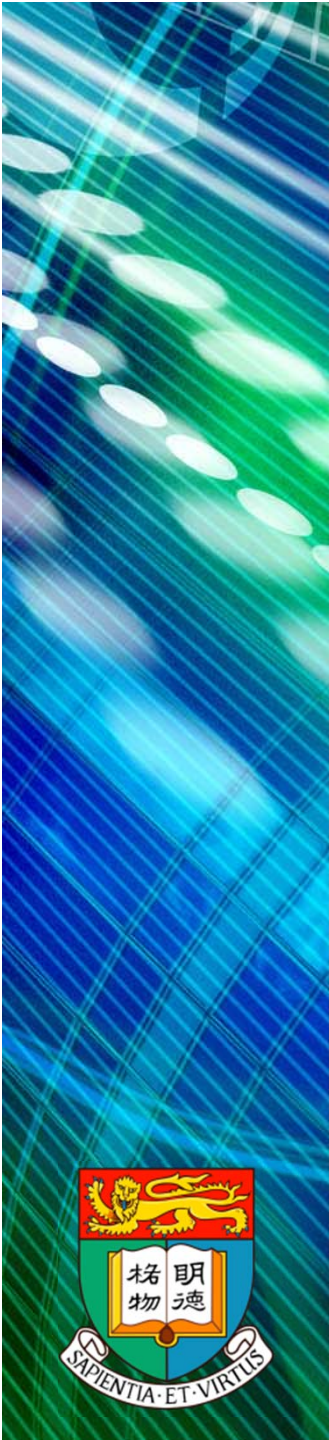
# Project Status Presentations

- Regular status presentations
- Showing the details of work to judge panel and peers
  - Work that has been done
  - Schedule for the rest of the project
- All group members should attend and participate in the status presentations



# Interim Report

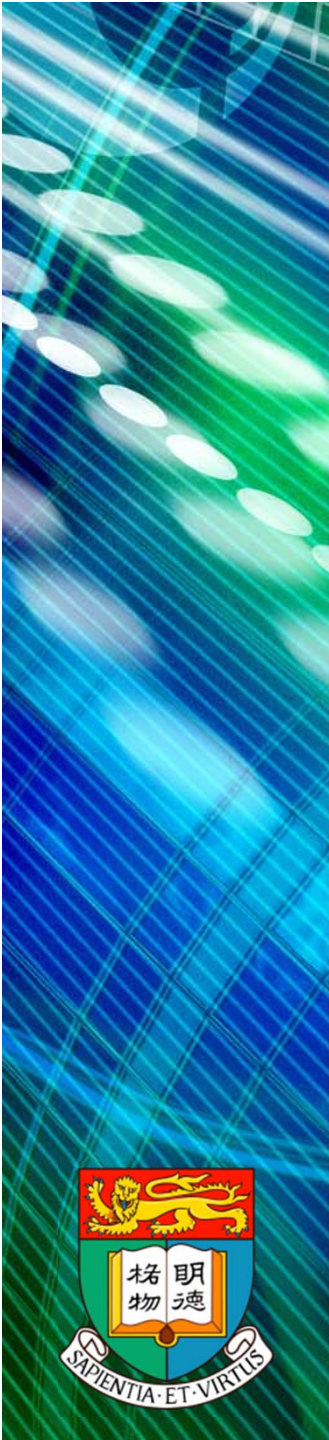
- Obtains some preliminary result
- Schedule for the rest of the project
- Submitted by June 1





# Poster Exhibition

- 3-hour poster exhibition
- Prepare a group project poster
- Assessed by judge panel



# Project Report

- Group project report
- Without any unfinished sections
- Submitted on Moodle
- Revised report
  - according to the comments of examiners after the oral exam



# Oral Examination

Presentation + Demonstration + Q&A

No. of members	Duration (minutes)
1	15
2	20
3	25
4	30
5	35

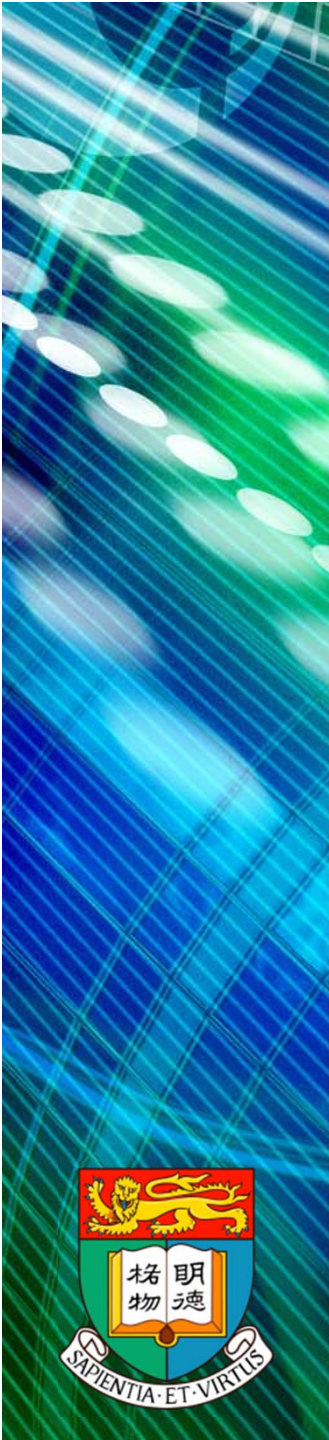
will be judged by the supervisor and the second examiner





# Peer Review

- Evaluate the contribution of each member throughout the project
- Submitted on Moodle individually



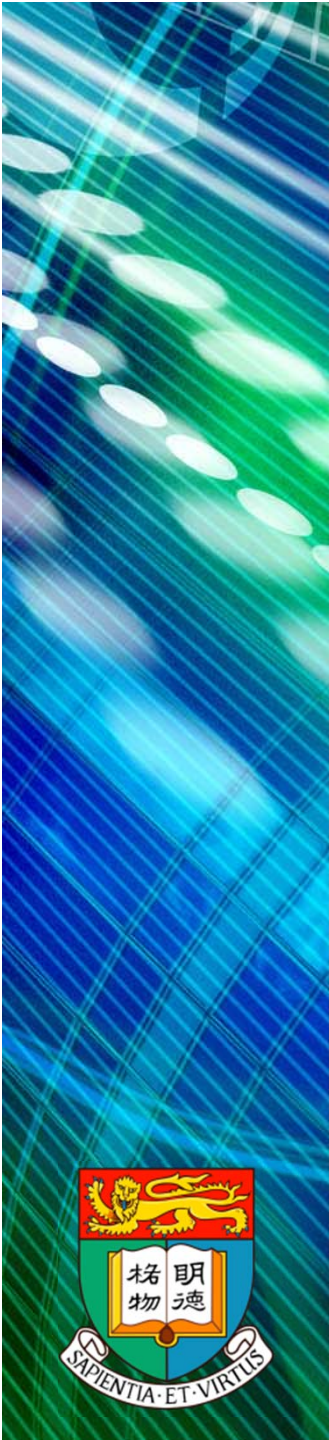
# Supplementary Workshops (Compulsory)

- ***English Language Workshops***  
(both of the following) **Full-attendance is required**
  - ❖ Workshop on dissertation writing
  - ❖ Workshop on presentation skills and proofreading
- ***Technical Workshops***  
(one of the following)
  - ❖ Python
  - ❖ System administration



# Cannot complete the Project?

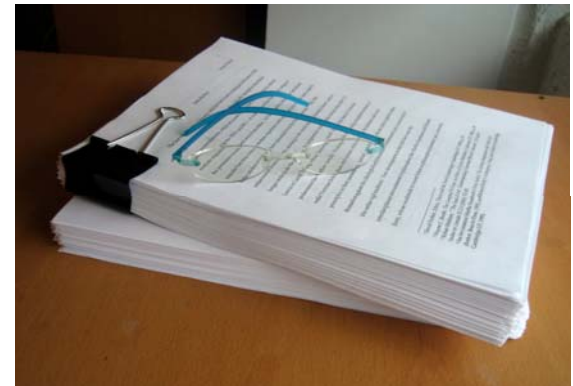
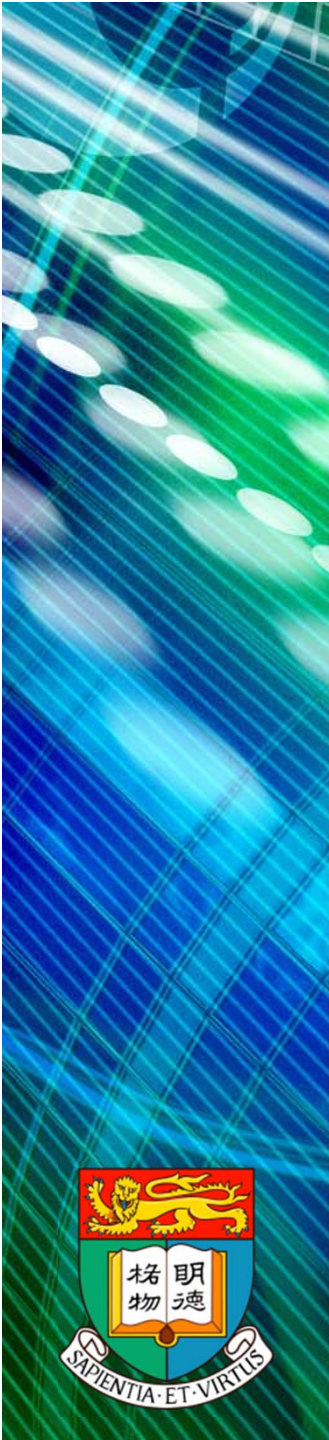
- FAIL
- Redo a new project next academic year with a new group
- Failed at a second attempt → recommended for discontinuation of studies





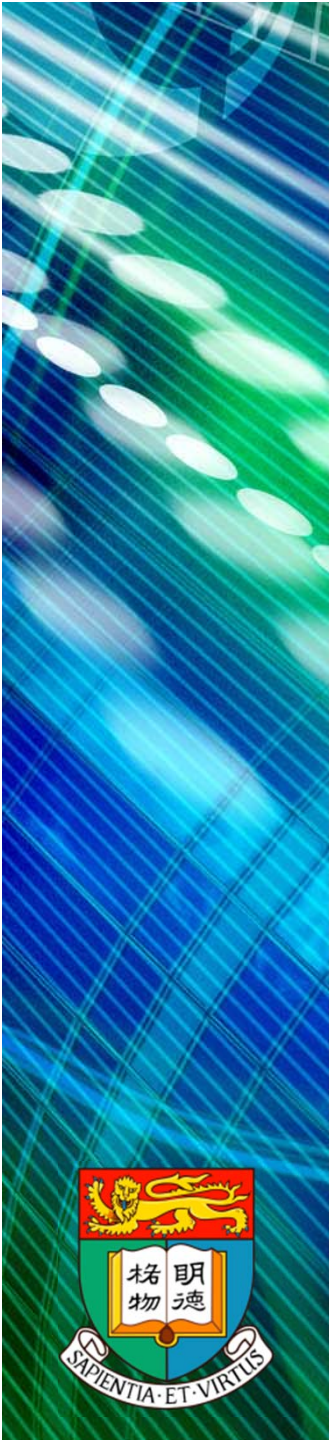
# Dissertation (COMP7704)

- **Individual** piece of research work
  - ❖ 80-150 pages
- You may select a topic from the list or self-propose a topic
- Duration
  - ❖ Full-time: 3-5 semesters
  - ❖ Part-time: 4-8 semesters
- Only starts in 2nd semester of the academic year
- Participating in internship are required to postpone submission
- Extension is allowed subject to supervisor and Programme Director approval



# Selection and Allocation

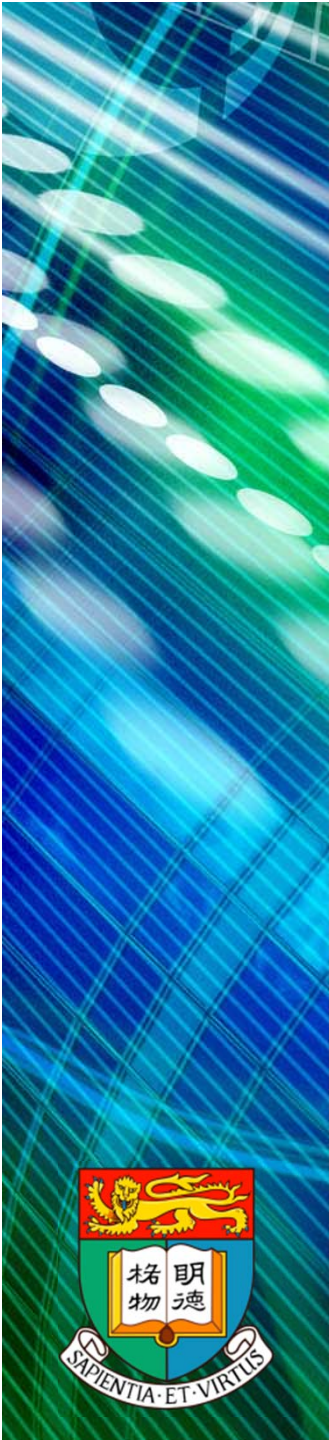
- Feb. 2019
  - List of available dissertation topic is published
  - You may select a topic from the list or self-propose a project
    - ❖ Contact a suitable supervisor
  - Deadline: 28 Feb. 2019
- Mar. 2019
  - Allocation results announced
  - Priority will be given to students selecting a dissertation topic associated with their stream
  - Submit a detailed proposal within 1 month of the allocation
- Today
  - Get to know some of our teachers and their research interests



# Assessment

- Detailed Proposal
- Webpage
- Interim Report
  - Initial presentation
  - Intention to submit dissertation
- Public Seminar\*
- Poster Exhibition
- Oral Examination
- Dissertation

*\* for cohort 2018 students only*





# Checkpoint

- 3 month before the submission of dissertation (revised version)
  - Webpage
  - Intention to submit dissertation
  - Interim report
  - Initial presentation
  - Full attendance of CAES workshops<sup>#</sup>

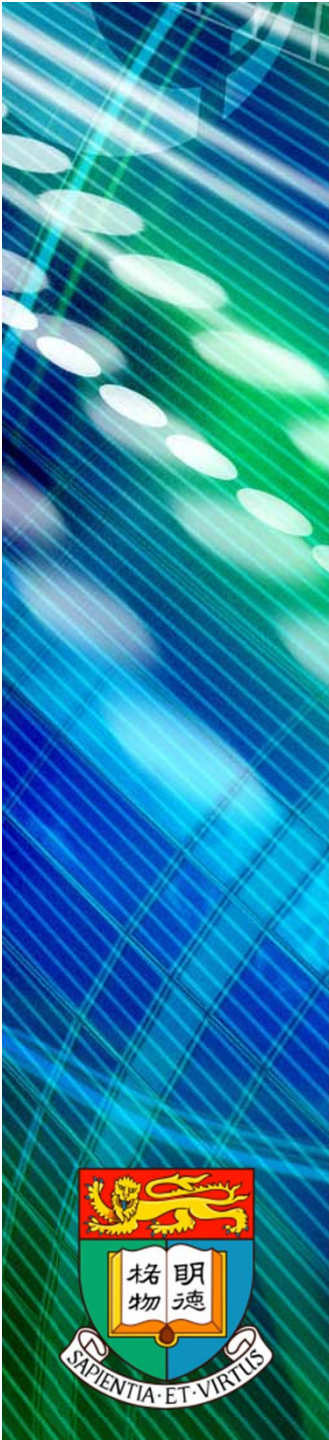
*# Students are required to complete the following 2 compulsory workshops with full attendance offered by Centre for Applied English Studies (CAES):*

*(a) Workshop on dissertation writing,*

*(b) Workshop on presentation skills & proofreading*

*Students are recommended to complete all workshops before declaring their intention to submit dissertation.*

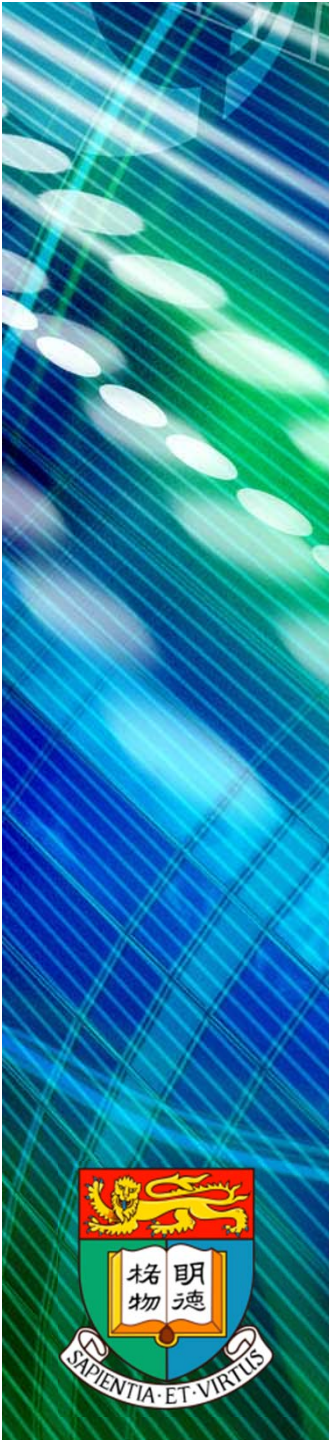
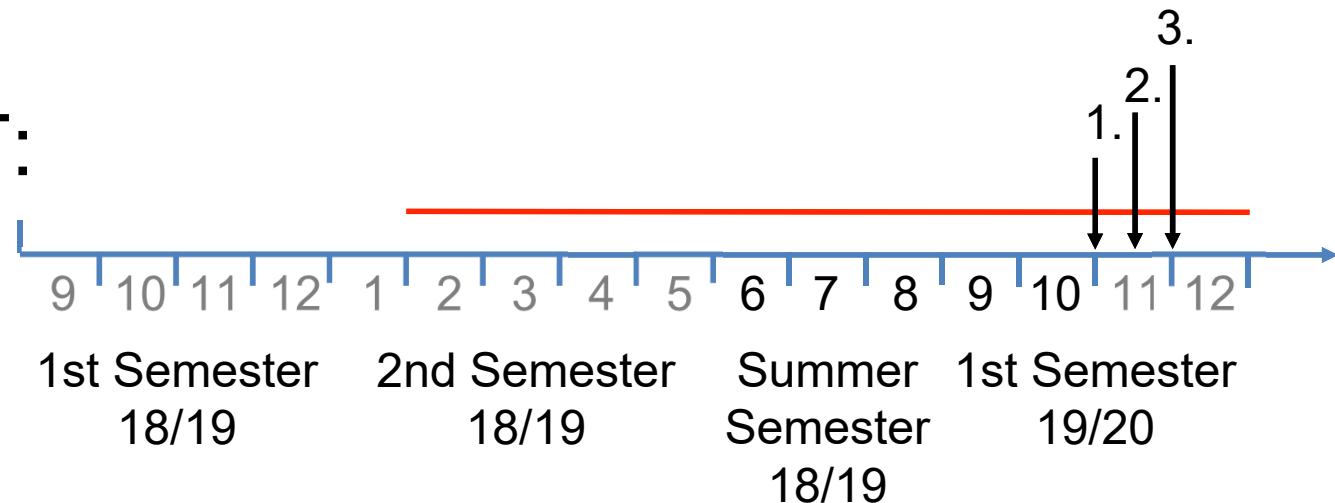
- No extension will be approved after submission of “Intention to submit dissertation”



# Submission

1. 2 month before end of semester
  - Submit your dissertation to Moodle
  - Poster exhibition
2. 1.5 month before end of semester
  - Public seminar
  - Hold your oral exam
3. 1 month before end of semester
  - Submit your revised version

FT:



# Supplementary Workshops

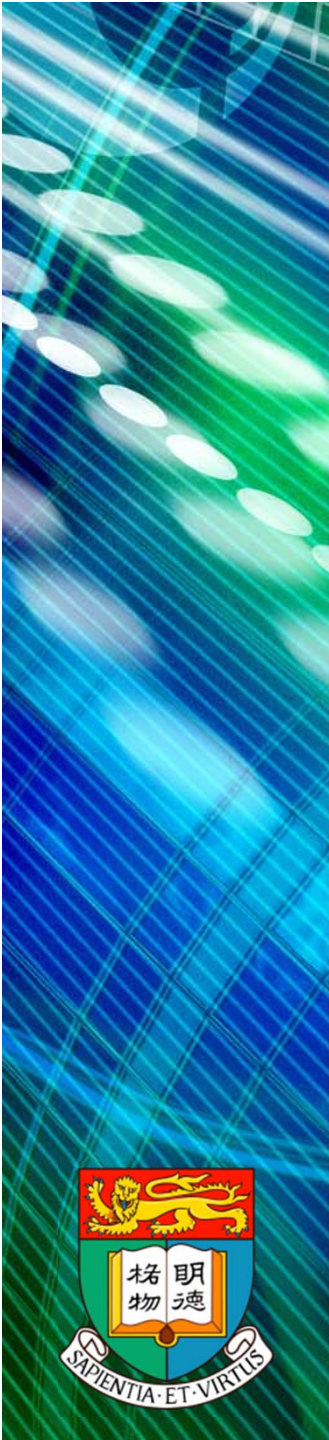
- ***All English Language Workshops (Compulsory)*** **Full-attendance is required**
  - ❖ Workshop on dissertation writing
  - ❖ Workshop on presentation skills and proofreading
- ***All Technical Workshops (Compulsory for cohort 2018)***
  - ❖ Python
  - ❖ System administration





# Failed Cases

- <600h of work
  - <1.5 semesters full time
    - ❖ e.g., you will fail if you take an internship without study period extension
- Unsatisfactory performance in public seminar
- Students may apply to resubmit the dissertation on the same subject



## Dissertation

- 8 courses
- Research work
- At least 600 learning hours
- Minimum 3 semesters
- Select / self-proposed topic
- Individual dissertation report (80-150 pages)
- All English language workshops + all technical workshops\*
- Fail if the public seminar is not up to the standard\*

## Project

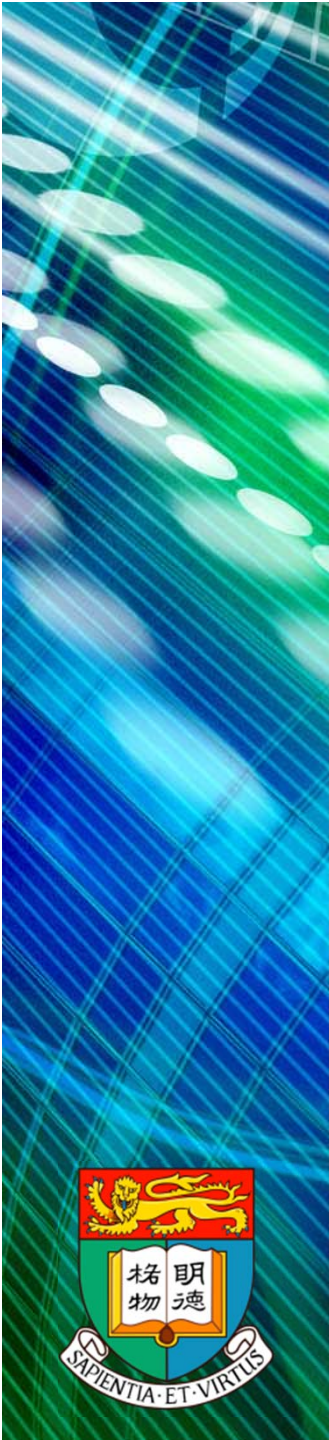
- 10 courses
- Practical
- Around 300 learning hours
- 2 semesters
- Self-proposed topic
- Group project report
- All English language workshops + 1 technical workshop



*\*for cohort 2018 students only*

# Fee payment

- Two installments  
*Enrolment semester & following semester*
  - Dissertation
    - Cohort 2017 ( $\$20,000 \times 2 = \$40,000$ )
    - Cohort 2018 ( $\$22,000 \times 2 = \$44,000$ )
  - Project ( $\$11,000 \times 2 = \$22,000$ )
- All paid fees are not refundable





# Financial Support

- Used for purchasing equipment / CS server application
- Items to be purchased should be endorsed by the supervisor
- All purchased materials remain the property of the university and must be returned after use
- ***Dissertation***
  - *Not more than \$3,000*
- ***Project***

No. of members	Amount (HKD)
1	Not more than \$2,000
2	Not more than \$4,000
3	Not more than \$6,000
4	Not more than \$8,000
5	Not more than \$10,000

