

# CSCI3250+3251

## Computers and Society + Engineering Practicum

2018-19 Term 2

Department of Computer Science and Engineering, CUHK



香港中文大學  
The Chinese University of Hong Kong

# Welcome aboard!

- This is a new course
- This is *not* a new course

# From the Course Catalog...

- CSCI3250 – **Computers and Society**
  - This course studies **social, legal, ethical** issues of information technology in society. Problems related to **privacy, computer crimes, freedom of speech, intellectual property, professionalism, health, safety** will be discussed. Local and global examples will be used to illustrate the issues.
- CSCI3251 – **Engineering Practicum**
  - Industrial and professional **workshops** or **seminars** as required by the Major programme.

# Course Logistics

- **Instructor**

- Dr. Chuck-jee CHAU 周卓之
  - Email: [chuckjee@cse.cuhk.edu.hk](mailto:chuckjee@cse.cuhk.edu.hk)
  - Office: YIA 1207H / SHB 128

- **Venue**

- LSB (Lady Shaw Building) LT1
  - *And outings in Hong Kong or Mainland China!*

- **Time**

- T6-8 (Tuesday 13:30—16:15)

# Some more important people!

- You will see your  
**TAs** mainly for  
your project
- CHEN Pengfei 陳鵬飛
  - pfchen@cse
  - Wed 1-2pm @SHB117
- LIU Weiwen 劉衛文
  - wwliu@cse
  - Fri 10-11am @SHB117
- TIAN Yang 田陽
  - ytian@cse
  - Fri 10-11am @SHB903
- WU Weibin 吳煒濱
  - wbwu@cse
  - Thu 4-5pm @SHB101
- ZHANG Lu 張璐
  - lzhang@cse
  - Fri 4-5pm @SHB905

# What's in this course?

- Lectures
- Invited talks
- Student presentations
- Industrial visits
- Blog articles
- Project
- Quiz

# What's in the course?

- Lectures
  - Some fundamental lectures will be given on technical, social, and legal topics
- But, let's flip the classroom...

# “A Short Introduction to Everything *in CSE*”

Sharing your knowledge on topics in **Computer Science**,  
**Computer Engineering** and **Information Technology**

*a.k.a. crowdsourcing of lectures materials, activities and questions*



# Aspects of this course

- Technology and social issues
- Basic practical skills in computer science and engineering
- Hot topics in IT
- Case studies of technology companies
- Career of CSE

# To Deliver

- **Presentation (20%)**
  - A short talk of around 6-7 minutes, for two students
  - Including given points to cover
  - Required:
    - Newspaper clips, OR
    - Hands-on tutorial
- Starting **NEXT WEEK!**
  - *Bonus for early presentations*

# To Innovate

- ***Class activities and a question (5%)***
  - An innovative game or other activities with the whole class, e.g.,
    - Survey + Quick Analysis
    - Very easy guided “lab exercise” for everyone
  - And, a question to be included in the Quiz at the end of semester!
    - It should be a **challenging** one for your fellow classmates

# To Document

- ***Blog article (10%)***
  - A write-up of the presentation to be posted in the course blog
  - It can be in the form of a step-by-step tutorial with images or videos

# To Interact

- **Peer evaluation (5%)**
  - A score to be given by fellow classmates
  - All students will rate the presentation and activities
  - Students should also rate the blog articles
- *Note: students who fails to rate others will get 0 here*

# Industrial Visits & Invited Talks

*Attending talks in the classroom, or stepping into tech companies in Hong Kong and Shenzhen to get a taste of the real world*

# To Appreciate

- There will be a number of invited talks and industrial sharing sessions
- Ranging from freelancers to veteran engineers
- Majority of sharing comes from CUHK **CSE alumni**
- *Note: you must attend at least **60% of the talks** to pass the course*

# To Reflect

- You need to sign-up for at least two industrial visit events
- **Visit reports x2 (20%)**
  - A reflection of the visit to be posted in the course blog
  - It must be corresponding to attended visits
  - A visit can be replaced by attending a seminar
    - Technology research seminars in CUHK
    - Other seminars in tech expos
- Note: **Two reports** are required to pass the course



# Individual Article

# To Write

- ***Individual article (15%)***
  - Another blog article but done individually
    - Topics to be chosen from the presentation topics, *OR*
    - Reflection on invited talks, *OR*
    - Reflection on a lecture or another blog article

# Collaboration Project

# To Participate

- **Project (15%)**
  - The class will be split into five huge groups
    - Each mentored by one of the five TAs
  - Every group member will be given simple programming tasks in C
    - *You have learnt that right?*
- *More details to be announced in **February***

# Quiz

To have  
fun!

- There is no final exam
- ***A short quiz (10%)***
  - Given at the end of the semester
  - Questions on my lectures, and
  - Questions from your classmates!
- *Special: sign-up early presentation slots for waiver from a number of quiz questions*

Let's sum it up!

# Our Mission

- To nurture engineers who
  - employ critical thinking skills, and
  - understand their position, and
  - are able to explore, collaborate and communicate



# Learning Outcomes

- From this course students shall acquire
  - Solid feeling of abstract ideas of social, legal, and ethical issues for computing technology
  - Hands-on experience of practical skills in computer and engineering
  - Understanding of the relationship between themselves, technologies and the society

# Academic Honesty

- Honesty in Academic Work
  - Faculty of Engineering
    - <https://www.erg.cuhk.edu.hk/erg/AcademicHonesty>
  - CUHK
    - <https://www.cuhk.edu.hk/policy/academichonesty>

# Course Schedule (tentative)

Week	Date	Lecture/Activity	Presentation	Talk
1	8/1	Introduction	/	/
2	15/1	Effective Communication	Social Issues	Data Sci. rep.
3	22/1	Professionalism		Charles Mok
4	29/1	Visit to HKTVmall		/
~ Lunar New Year ~				
5	12/2	Visit to Nexusguard	CS Basics	/
6	19/2	Technology Development		Vendor rep.
7	26/2	Visit to MTR	/	/
8	5/3	Security and Privacy	Hot Topics	FinTech rep.
9	12/3	Freedom of Speech		OGCIO
10	19/3	Failure and Risks	Tech Companies	HKIX
11	26/3	Visit to MillionTech		/
~ Reading Week ~				
12	9/4	Tech. and Employment	Career	Corp. rep./ IET
13	16/4	End-semester Quiz		/

# Course Assessment

- “A Short Introduction to Everything in CSE”
  - Presentation **20%**
  - Class activities + question **5%**
  - Blog article **10%**
  - Peer evaluation **5%**
- Visit reports **20%**
- Individual article **15%**
- Project **15%**
- Quiz **10%**
- *Required for pass: at least 60% of talks, 2 visit reports*

# Notes on Outings

- Some of the visits are during class time
  - *HKTVMall, MTR, Nexusguard, MillionTech, ...*
- Some will be arranged on other days
  - *Tencent, Appotronics, ...*
- **Free transportation** to and from CUHK
- First-come-first-served with **limited quota**
- Sign-ups will start **next week**
  
- *Note: for industrial visits in Shenzhen, a valid travelling document is required!*

# Talk to us!



- Course materials and announcements
  - **CSCI3250 Blackboard site**
    - [https://blackboard.cuhk.edu.hk/ultra/courses/\\_105945\\_1/cl/outline](https://blackboard.cuhk.edu.hk/ultra/courses/_105945_1/cl/outline)
- Articles from students (coming soon!)
  - **CSCI3250 Course blog**
    - <http://course.cse.cuhk.edu.hk/csci3250>
- Real-time talking/chatting/Q&A
  - **CSCI3250-2019 Slack**
    - Join here: <https://tinyurl.com/y88v85qb>

# Getting Reference

- Basic reference
  - ***A Gift of Fire: Social, Legal, and Ethical Issues for Computing Technology*** (4<sup>th</sup> ed.)
    - By Sara Basse & Timothy M. Henry
    - Available in CUHK Library (hard copy)
- Consult the Internet!
- For news and journals, check out **WiseNews** (via CUHK Library website)

# Questions?