Computer skills

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c. Computer skills

Coordinator
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LaTeX Basics - Professional Document Preparation

Speaker
Groups 1 (Cantonese) & 2 (English): Dr Cheong Chi Hong, Lecturer
Department of Computer Science and Engineering

Designed for
Postgraduate students in Science and Engineering disciplines who will use LaTeX for preparing documents such as papers and reports.

Objective
- to enable students to acquire the basic skills of using LaTeX to prepare documents.

Structure
3-hour practice session

Medium of Instruction
Cantonese (Group 1) / English (Group 2)

Brief Description
LaTeX is a very powerful type-setting software for professional document preparation. It is very popular in the computer, engineering and science communities such that most conferences, journals as well as publishers accept publications prepared with it. In this course, we will demonstrate and practice the basic LaTeX commands with examples.

Remark:
Students should obtain ITSC (Information Technology Services Centre) computer accounts and passwords before attending the class. The accounts are already created for registered students without application. Details on the account information and password can be found here.

Reference:
A LaTeX template for thesis writing has been put on the web for your quick reference: LaTeX template
LaTeX Advanced - Thesis Preparation

Speaker
Groups 1 (Cantonese) & 2 (English): Dr Law Yat Chiu, Lecturer
Department of Computer Science and Engineering

Designed for
Postgraduate students in Science and Engineering disciplines who have basic experience with LaTeX and will use LaTeX for preparing larger-scale documents such as reports and thesis. Participants are strongly advised to attend the course “LaTeX Basics - Professional Document Preparation” beforehand to acquire solid experience with LaTeX.

Objective
At the end of the course, the participant should be able to:
- use LaTeX to prepare a special kind of document: thesis.

Structure
3-hour practice session

Medium of Instruction
Cantonese (Group 1) / English (Group 2)

Brief Description
Have you ever read the University’s regulations on the format of MPhil and PhD thesis? A set of LaTeX macros has been prepared that fit the University’s requirements. Having already acquired basic skills of type-setting a LaTeX document, you will be able to practise using the templates and make your thesis type-setting a simple task. The process of thesis creation could be as easy as typing in the text, inserting the figures (image files prepared separately in PostScript format), formatting the tables as well as including the references, with everything from the title page, acknowledgements, contents, to bibliography tailored to fit the requirements. The talk will be particularly useful for graduating postgraduates.

Remark:
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Reference:
A LaTeX template for thesis writing has been put on the web for your quick reference: LaTeX template
Innovative Technology for Professional Life

Speakers
Professor Paul Lam, Associate Professor
Mr Kevin Wong, Research Associate
Centre for Learning Enhancement And Research

Designed for
All postgraduate students who would like to learn more about the latest computer and mobile technology that can be used to enhance information exchange, communication and social networking, and thus can make professional life more productive.

Objectives
The module introduces postgraduate students to useful computer and mobile applications that can be used in their professional life, both before and after graduating with a higher degree. The introduction will cover:

1) latest computer or mobile applications that are designed for learning and for work; and
2) tips on how to use some cloud applications in professional circumstances.

Structure
2-hour workshop

Medium of Instruction
English

Brief Description
Mobile technology can be used to enhance information exchange, communication and social networking which in turn can make professional life more productive. The module introduces postgraduate students to some of these latest computer and mobile applications that can be very useful for professional advancement. The introduction will cover latest applications as well as tips on how some cloud applications can be used in a work setting. The module aims at informing students about the latest developments rather than teaching specific skills.

In the workshop, the teachers will explain and demonstrate various computer and mobile applications. The module aims at informing students about the latest developments but not specifically teaching the skills in using them. There will be class discussions but there will NOT be hands-on tasks.