

**The Hong Kong University of Science and Technology**

**Competitive Programming in Cybersecurity I**

**COMP2633**

0 credit

No prerequisite, but a good understanding of the Computer hardware/software structure is essential. A solid foundation of basic OOP languages like C++/Python, and MIPS, x86\_64 instruction sets will also be very useful. Enthusiasm in actively learning and updating cybersecurity knowledge on his/her own is a MUST.

Exclusion(s): COMP3633 and COMP4633

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**Course Description**

This course prepares students to take part in public Capture-The-Flag (CTF) competitions. It will introduce the students to topics like Pwn, Reverse Engineering, web exploitations, cryptography, computer forensics in the classes

**Assessments:**

[List specific assessed tasks, exams, quizzes, their weightage]

<b>Assessment Task</b>	<b>Contribution to Overall Course grade (%)</b>
Class attendance	50%
CTF exercises	50%

**Required Texts and Materials**

none