



**Faculty of Engineering  
The Chinese University of Hong Kong**

**Prof. Xuedong HE  
Assistant Dean (Education)**

**15 August 2023**



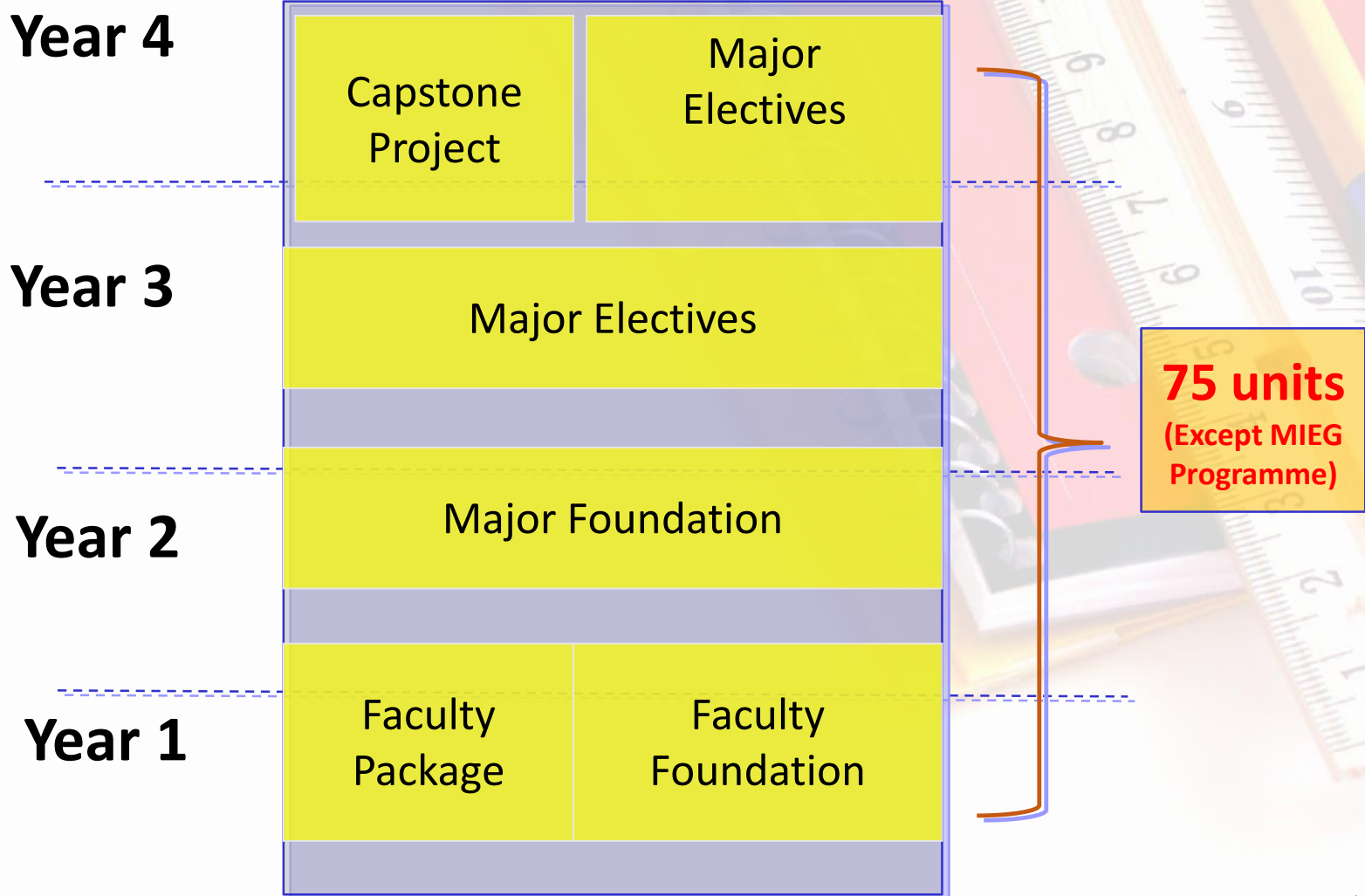
# 4-year Curriculum

# 4-year Curriculum – Overview

Chinese		5 units
English		8 units
General Education		19 units
Digital Literacy and Computational Thinking		3 units
Physical Education		2 units
Understanding China		1 unit
Hong Kong in the Wider Constitutional Order		1 unit
# Except MIEG	Major#	75 units
Free Electives: Remaining Units		

Total: 123 units

# 4-year Curriculum – Major Requirements



# Major Requirements – Faculty Package & Faculty Foundation Courses

Faculty Package (Except MIEG, CDAS Programme)	Units
<b>1) Faculty Package:</b> <ul style="list-style-type: none"> <li>•ENGG1110 Problem Solving by Programming (3 units)</li> <li>•ENGG1120 Linear Algebra for Engineers (3 units)</li> <li>•ENGG1130 Multivariable Calculus for Engineers (3 units)</li> </ul>	Yr. 1 courses 9

Foundation Courses (Except MIEG, CDAS Programme)	Units
<b>2) Foundation Courses:</b>  Science Courses (PHYS, CHEM, LSCI courses) Engineering Mathematics (ENGG, MATH courses) Engineering Major Related Courses (FTEC, MAEG, SEEM courses)	Minimum 11



# Faculty Foundation Courses Selection & Recommended Study Pattern

- Each programme have its own requirements on the Faculty Foundation courses
- Students should **consult their respective major departments** for course selection recommendation

# Course Load

- A student shall take **at least 9 units** of courses and **no more than 18 units** of courses in any term within the normative study period except when s/he is on first or extended academic probation
- A student shall take no more than 6 units of courses in each summer session, and **no student will be allowed to take more than 39 units in an academic year**

The background of the slide features a close-up, slightly blurred image of school supplies. On the left, a yellow spiral-bound notebook is visible. To its right, a wooden ruler with black markings and numbers is placed diagonally. A blue pencil with a yellow eraser is also visible, partially overlapping the ruler. The overall scene is brightly lit, creating a clean and professional aesthetic.

# Highlights of Engineering Policies



# Engineering Teaching Arrangements

The background of the slide features a close-up, slightly blurred image of school supplies. On the left, a yellow spiral-bound notebook is visible. To its right, a wooden ruler with black markings and numbers is laid out diagonally. A blue pencil is partially visible on the right side of the ruler. The overall image has a soft, warm glow.

1. Mathematics Placement Test
2. Physics Placement Test
3. Teaching Medium

# Mathematics Placement Test

- The test will be arranged on **17 August 2023 (This Thursday)** at **Lecture Theatre 1, Yasumoto International Academic Park**
- Results are used to determine if one is required to take MATH1020
- Students who **were absent from the test** or **failed** the test **must take both MATH1020 and MATH1510** in Term 1, 2023-24
- Any student who passed the test can take MATH1510 alone
- JUPAS students admitted without HKDSE M1/M2 are required to take both MATH1020 and MATH1510 and so, they are not invited for the test

# Physics Placement Test

- Students **admitted WITHOUT HKDSE results**
  - The test will be arranged **online** on **17 August 2023 (This Thursday)**
  - **Failure** in or **absence** from the test will be pre-assigned to **PHYS1003**
  - **Students attaining a Pass** in the test will be pre-assigned to **PHYS1110**

Before release of test results, students will be **pre-assigned to PHYS1110 first**

# Physics Placement Test

- Students **admitted WITH HKDSE results (regardless of admission channel)**
  - PHYS courses will be pre-assigned according to the HKDSE Mathematics and Physics results
  - **PHYS1110** will be preassigned for students with:
    - i. **Lv. 4** or above in **Mathematics**; and
    - ii. **Lv. 4** or above in **Physics** or **Lv. 5** or above in **Combined Science (with Physics component)**
  - **PHYS1003** will be pre-assigned for the **rest**

# Teaching Medium

- All courses offered by the Faculty of Engineering will be taught in **English**



The background of the slide features a close-up, slightly blurred image of school supplies. On the left, a yellow spiral-bound notebook is visible. To its right, a wooden ruler with black markings and numbers is positioned diagonally. A blue pencil is partially visible on the right side of the ruler. The overall scene is brightly lit, creating a soft, educational atmosphere.

# Language Exemption


# Language Exemption by Attainment

- Students have to complete University Core Requirements including Chinese and English language courses in order to graduate
- Students who have already obtained a certain qualifications specified by the University **prior to their study at CUHK** shall **apply for exemption on their own in their first term of study.**
- Please visit Registration and Examinations Section website

<http://www.res.cuhk.edu.hk/en-gb/undergraduate-students/information-for-year-1-students/information-on-university-core-requirements-and-exemption/university-core-course-exemption-by-attainment>



- **Application Period: From 21 August to 2 September 2023**
- When exemption from a particular course is granted, students can **only be exempted from the course but not the units.**

A yellow spiral notebook with a silver metal spiral binding is positioned diagonally. A red ruler with white markings is placed over the notebook. A blue pen is partially visible on the right side of the ruler. The background is a light, neutral color.

# Digital Literacy and Computational Thinking

# ENGG1003 & 1004

- Introductory level course on digital literacy and computational thinking
- **ENGG1003** – Techniques for solving problem with data (e.g., automation, textual analysis, data visualization, etc.)
- **ENGG1004** – Techniques for solving problems with quantitative data (e.g., automation, curve fitting, classification, clustering, etc.)
- Each programme has its own requirement (ENGG1003 or 1004)
- Pre-assigned to take in Year 1 Term 1



# Enjoy your study in Engineering