



A2DES003C

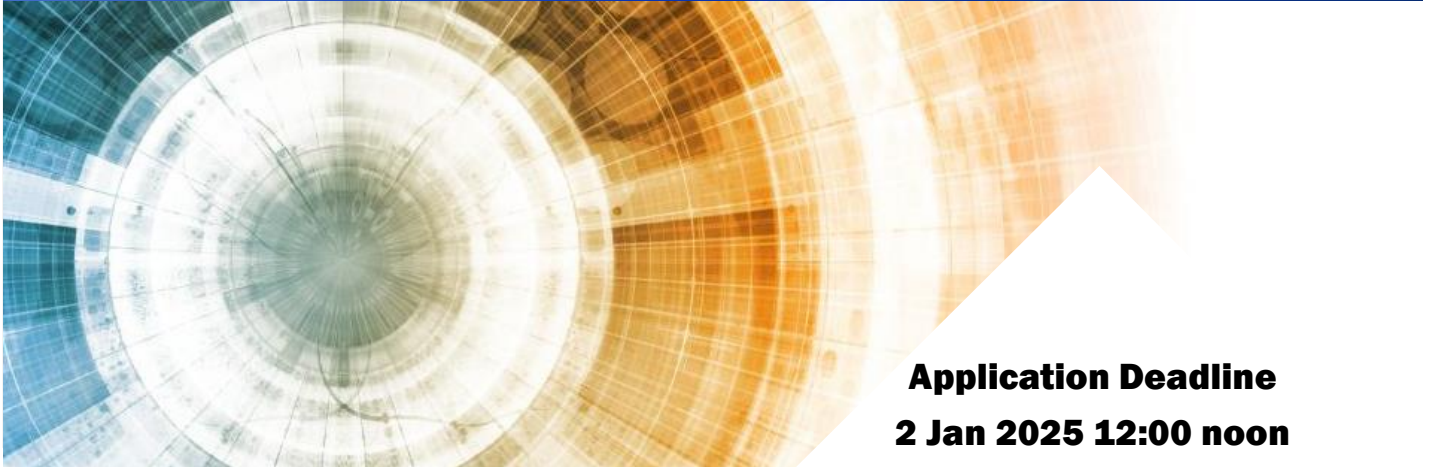
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[**Gifted Programme**]

Design Course (Level II)

Nature-inspired Design – Technology Exploration

School of Design, The Hong Kong Polytechnic University



Application Deadline
2 Jan 2025 12:00 noon

Result Release
10 Jan 2025

Intended Learning Outcomes

Upon completion of the gifted programme, gifted students should be able to:

1. explore how nature can inform creative problem-solving;
2. illustrate some accessible technologies that are inspired by mechanisms existing in nature;
3. elaborate the impacts of nature-inspired design on technology and human life;
4. develop technological logic to materialize nature-inspired concepts;
5. foster a sense of curiosity and wonder about the design and creative industry.

◆ Gifted Programme Introduction

The world's challenges often find answers in nature in inspiring ways. To design is to critically identify points of challenge and potential, to intend positive change, to ideate new possibilities, and to bring abstract ideas to real life through materialisation.

This phase of study (Technology Exploration) will equip students with a technological understanding and approaches to explore the technical feasibilities of the ideas generated from direct engagements with nature. Through hands-on activities, students will learn different mechanisms and develop technological logic to materialise nature-inspired concepts.

Related Programmes:

Design Workshop (Level II): Nature-inspired Design – How Innovation comes to Life (A2DES001W) ([LINK](#))
Design Course (Level II): Nature-inspired Design – Nature Exploration (A2DES002C) - [LINK](#)

A2DES001W
Information

A2DES002C
Information

◆ Schedule

Session	Date	Time	Venue
1	8 Feb	9:00 a.m. – 12:00 noon	The Hong Kong Polytechnic University
2	15 Feb	9:00 a.m. – 12:00 noon	The Hong Kong Polytechnic University
3	22 Feb	9:00 a.m. – 1:00 p.m.	The Hong Kong Polytechnic University
4	1 Mar	9:00 a.m. – 12:00 noon	The Hong Kong Polytechnic University
5	8 Mar	9:00 a.m. – 12:00 noon	The Hong Kong Polytechnic University
6	15 Mar	9:00 a.m. – 12:00 noon	The Hong Kong Polytechnic University
7	22 Mar	9:00 a.m. – 12:00 noon	The Hong Kong Polytechnic University
8	29 Mar	9:00 a.m. – 12:00 noon	The Hong Kong Polytechnic University

◆ Suitable for

- S1 to S6 HKAGE student members
- Class size: 45
- Student members would be selected randomly by the computer system. The decision of HKAGE on the result of the selection should be final.

◆ Medium of Instruction

English with English Handouts

◆ Pre-requisite

- It would be an advantage if applicant have attended Design Workshop (Level II): Nature-inspired Design – How Innovation Comes to Life (A2DES001W) ([LINK](#))
- It would be an advantage if applicant have attended Design Course (Level II): Nature-inspired Design – Nature Exploration (A2DES002C) - [LINK](#)

◆ Certificate

E-Certificate will be awarded to gifted students who have:

- attended at least 6 sessions; and
- completed all the assignments with satisfactory performance