



賽馬會「知情達意育優才」計劃
Jockey Club "Gifted in Bloom-Harmony in Heart & Mind" Programme

**Design Doing for a Sustainable Future – Urban Farming, Food Production,
and the Joy of Growing
(J2ENV002C)**

Introduction

This inspirational programme combines hands-on workshops, instructional talks, and discussions where students are given an introductory overview of urban farming and sustainable development goals. Students will be taught design thinking to explore the development of innovative urban farming technologies in Hong Kong and globally and how it can help food sustainability and address problems caused by industrial agriculture. Students learn to be self-sufficient by building a hydroponic growth tank to grow their own vegetables. They will then share the joys of their hard work with a salad-making workshop.

Programme Type / Level

Environmental Science Course (Level 2) ([Token-required](#))

Instructor(s)

Dr Taihua Hu (Senior Project Officer) – Office of Service-Learning, Lingnan University

Target Participants



- S1 to S6 HKAGE student members
- Class size: 30
- Participants should be able to make commitment, be responsible to oneself as well as to the world, and be willing to discuss, elaborate and present their in-depth thoughts.

Medium of Instruction

Cantonese - with English handouts

Certificate



Certificate will be awarded to participants who have:

- ❖ Attended **at least 5 sessions; AND**
- ❖ Completed all the assignments with satisfactory performance

Intended Learning Outcomes



Upon completion of the programme, participants should be able to;

1. explain how innovative urban farming technology can help address food sustainability and address problems presented by industrial agriculture;
2. describe the procedure and practice of hydroponic planting;
3. gain self-confidence through putting effort into building a hydroponic growth tank and growing plants in the tank;
4. appreciate the importance of time management by practicing hydroponic planting at home;
5. become more self-sufficient and an effective team player by preparing a group meal together using the grown plants.



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Screening



Please answer the screening questions in the online application form.

*The screening questions are designed to help the applicants understand the course level and the course content. The questions must be answered by the student applicants and it can only be attempted once. The answers cannot be changed once the application is submitted. Selection is based on students' performance in answering the questions. **Only applicants who can demonstrate motivation and interest in the screening questions can be enrolled in the programme.**

Application Deadline

26 March 2021 (12 noon)

Application Result Release Date

29 March 2021
(Please complete the confirmation slip and return it to the HKAGE by fax / email (jc@hkage.org.hk) / post, within 3 working days of the application result release. Late reply will be considered as withdrawal.)

If student members fail to return the confirmation slip on time or withdraw from the programme after submitting the confirmation slip, one token will be deducted.

Schedule



The sessions may be rescheduled and/or conducted online subject to the development of the coronavirus epidemic and EDB's latest announcement on face to face programmes. Please pay close attention to email notifications and announcements on the HKAGE website.

Session	Date	Time	Content	Venue
1	3 April 2021	9:30am-12:30pm	<ul style="list-style-type: none"> Introduction to Sustainable Development. Goals and Different Design Methods 	HKAGE Shatin (TBC) Room 403
2	10 April 2021	9:30am-12:30pm	<ul style="list-style-type: none"> Design thinking Workshop on Urban Farming and Food Production. 	Tseung Kwan O (TBC) HKAGE Room 405 & 406
3	17 April 2021	9:30am-12:30pm	<ul style="list-style-type: none"> Hydroponic Workshop and Introduction on Urban Farming Practices. 	Tseung Kwan O (TBC) Conference Hall 2, G/F, Building 1E, Core Building 1, Science Park
4	1 May 2021	9:30am-12:30pm	<ul style="list-style-type: none"> Preparing Your Own Microgreen Lunch Boxes and Home-made Mushroom Farm 	HKAGE Shatin (TBC) Room 403
5	15 May 2021	9:30am-12:30pm	<ul style="list-style-type: none"> A Crash Course of Plant Biotechnology – Modern Agriculture Breeding and Production. 	Tseung Kwan O (TBC) Zoom HKAGE Room 404

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6	22 May 2021	9:30am- 12:30pm	● Sharing Your Joy of Hard Work – A Salad-making Workshop.	Tseung Kwan O (TBC) Conference Hall 5, 2/F, Building 10W, Lakeside 2, Science Park
Back-up date	29 May 2021	9:30am- 12:30pm		Tseung Kwan O (TBC)


* Science Park will arrange staff at some assembly points and bring students to the venue. If student member has not shown up on time at the assembly point, they should go to the venue by themselves .

Assembly Point

Date	Time	Assembly Point
17 April 2021	9:00 a.m.	Starbucks at Building 1E, Core Building 1, Science Park
22 May 2021	9:00 a.m.	Big TV wall @ G/F, Building 10W

Reference: [How to get to Science Park](#) ; [Science Park Map](#)

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Enquiries  For enquiries, please contact us at 3940 0518 / 3940 0518 or email to jc@hkage.org.hk.