




A PROGRAMME TO NURTURING GIFTED STUDENTS IN HK PILOTING SCHEME –

3D MODEL FOR REVEALING THE BEAUTY OF MATHEMATICS

Individualized programme – CityU: NGS Math (ALE/COL/001M)

<p>Introduction</p>	<p>The course organised by the City University of Hong Kong aims to nurture a positive attitude in the participants and to encourage them to be creative and innovative. It is designed to improve students' ability and skills in making new discoveries. Upon completion of the course, the participants' knowledge of mathematics, their creative self-efficacy and learning motivation will be enhanced.</p> <p>Under the instructor's guidance, the participants will read books about the history of mathematics. Selected models for revealing the beauty of mathematics will be constructed and reproduced at the newly established 3D Printing Laboratory in the City University of Hong Kong. In this course, mathematics will be presented in an innovative approach. Participants will be motivated to explore the pattern and structure of mathematics by hands-on construction of mathematical models. Through the practical 3D printing experience, students will be able to learn outside the classroom, appreciate mathematics from different points of view and widen their learning experience.</p>
<p>Programme Type / Level</p>	<p>Advanced Course (Token-required)</p>
<p>Instructor(s)</p>	<p>Prof. Benny Hon (Professor, Department of Mathematics, City University of Hong Kong)</p>
<p>Target Participants</p>	 <p>S3 – S5 HKAGE student members (with full membership) Capacity: 18</p>
<p>Medium of Instruction</p>	 <p>Cantonese</p>
<p>Certificate</p>	 <p>Certificate will be awarded to participants who have:</p> <ul style="list-style-type: none"> ❖ Attended all sessions including the lecture/3D lab and review meeting;& ❖ Completed all the assignments with satisfactory performance.
<p>Intended Learning Outcomes</p>	 <p>Upon completion of the programme, participants should be able to:</p> <ol style="list-style-type: none"> 1. Develop an in-depth understanding of the history of mathematics; 2. Exhibit the beauty of mathematics through 3D printing of mathematical models; 3. Enrich knowledge of mathematics by understanding the invention of mathematical models.
<p>Interview (if necessary)</p>	 <p>You may be invited to an interview to share more views if necessary.</p> <p>Date: 10 June, 2017 (Sat) Time: 09:30 – 12:30 or 14:30 – 16:30 (Notification for interview will be sent by email on 8 June, 2017.)</p>

Application
Deadline

14 June, 2017

Application Result Release Date

15 June, 2017

Student members may withdraw from the course on or before the deadline. Otherwise, the token will be deducted.

Schedule




Session (Course Code)	Date	Time	Venue	Activity	Host
Introduction (Not compulsory)	3 June, 2017	9:30 a.m. – 11:30 a.m.	City University of Hong Kong *(Room Y4302)	Briefing Session (Course activities and assignments)	Hosted by HKAGE and CityU
If you are interested in attend the briefing session, please send an email to ale@hkage.org.hk .					
1 (ALE/COL/001M)	8 July, 2017	9:00 a.m. – 5:00 p.m.	City University of Hong Kong	Lecture/3D printing of mathematical models	CityU
2 (ALE/COL/001M)	15 July, 2017	9:00 a.m. – 5:00 p.m.			
3 (ALE/COL/001M)	29 July, 2017 (tentative)	9:30 a.m. – 11:30 a.m.	City University of Hong Kong	Review Meeting (Sharing and review of learning outcomes and experience)	CityU

-Subject to participant's registered activities and announcement of HKAGE.

*Room Y4302, Yellow Zone, Level 4 (Podium), Yeung Kin Man Academic Building

<http://www6.cityu.edu.hk/wayfinder/en/Building/ACAD/>

Enquiries  For enquiries, please contact Mr Thomas Chan at 3940 0108 or email to ale@hkage.org.hk

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