HKU Summer Institute 2019

High School Programmes

Course Details		
Course Code	MARTHA 2019	
Course Title	MultiTHA數藝同行	
Credit Bearing Programme	N/A	
Course Description	MORTHA, or "Math – Art – Abreast", means "Mathematics and Art <i>do something</i> Abreast". This program is for senior secondary school students to learn how mathematics can be used in creative way to produce art and magic. By means of a wide variety of hands-on activities and in-class performance, students will learn the underlying mathematical theory to create their own beautiful art images and design their own magical show. Software such as <i>GeoGebra</i> will be used for the part on artistic design and as a means to facilitate the understanding of mathematical concepts. Students may need to bring their own notebooks.	
Course Outline	It is a 3-day program consists of two 3-hour workshops per day. In every workshop, relevant mathematical knowledge (and coding techniques if applicable) would be introduced. Candidates (individual or grouped) would apply what they have learnt and make their own designs.	
Learning Outcomes	On successful completion of this course, students should be able to:Course Learning Outcomes (CLO)CLO 1explain some magic tricks using mathematical argumentsCLO 2recognize the mathematical elements in some artistic designsCLO 3make use of software (e.g., GeoGebra, Scilab) for a variety of purposesCLO 4design their own artistic work and/or perform a magic show based on their mathematical knowledge learnt in the course	
Assessments	In-class activities and individual/group presentations/performance	
Language of Instruction	English	

Class Schedule	
Course Period	July 8 - 12, 2019
Class Day & Time	Monday, Wednesday & Friday 09:30 - 12:30 & 14:30 - 17:30
Venue	The University of Hong Kong

Application	
Pre-requisite	Form 4 or above, or Equivalent.
Remarks	 Students without Permanent HK Identity Cards may require visas to study in HKU. For student visa, please visit <u>Here</u>. HKU accommodation is also available, with priority given to students not residing in Hong Kong. For details, please visit <u>Here</u>.
Online Application	Please visit the webpage of "MucrHA 數藝同行" for Online Application.
Course Fee	НК\$3,600
Early Bird Offer	Apply on or before February 28, 2019: 5% discount on course fee (the early bird offer is not valid in conjunction with other discounts)
Deadline for Application	 Non-local Applicants: April 14, 2019 Local Applicants: May 31, 2019

Enquiries

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