香 港 資 優 教 育 學 苑
The Hong Kong Academy for Gifted Education

Numbers Around Our Life (MATS1411)

Introduction	Numbers are everywhere in our daily life – you have a telephone number, student number, HKID card number, and so on. Do you know the secrets behind these numbers? Do you know that numbers are involved even if they do not explicitly appear such as in cryptography or even in music, art and architecture? In this short course we will explore the different aspects of numbers around our life.
Programme Type / Level	Introductory Course in Number Theory (Token-required)
Instructor(s)	Dr. Law Ka Ho
Target Participants	➢ S1 – S3 HKAGE student members ➢ Class size: 40 * Priority will be given to student members in Mathematics domain
Medium of Instruction	Cantonese, with English supplementary handouts
Certificate	**Certificate** will be awarded to participants who have: ❖ Attending **ALL sessions** ❖ Completed all the assignments with satisfactory performance
Intended Learning Outcomes	Upon completion of the programme, participants should be able to: 1. Analyse problems involving basic divisibility and modular arithmetic 2. Explore and evaluate daily-life problems related to number theory 3. Reflect and synthesize the concepts in number theory for application in cryptography
Screening	Please answer the screening question in the online application form. *The screening question is designed to help the applicant understands the course level and the course content. The question must be answered by the student applicant and it can only be attempted once. The answer cannot be changed once the application is submitted. Selection is based on students' performance in answering the question.

Application Deadline **6 July, 2015** **Application Result Release Date** **10 July, 2015**

HKAGE student members may withdraw from the programme on or before the deadline. Otherwise, the token will be deducted.

Schedule

Session	Date	Time	Venue (HKAGE)
1	30 Jul	2:00 p.m. – 5:00 p.m.	Room 303
2	4 Aug		Room 105
3	5 Aug		
4	7 Aug		

Enquiries For enquiries, please contact us at 3940 0184 or 3940 0102.