



MATHS IGNITION – COMBINATORICS

(MATS1111)

<p>Introduction</p>	<p>Maths Ignition is an introductory programme. It is designed as a series of courses of different topics and is developed as a bridging programme to the 'IMO Training' programme.</p> <p>Maths Ignition – Combinatorics is the first course of the series. It aims to broaden students' knowledge in combinatorics on the basis of junior secondary mathematics curriculum through exploration and investigation approach. Students who have completed 2 out of 5 courses in the Maths Ignition series might be considered for direct admission to the "Introduction to Olympiad Mathematics 2021 (Phase I)" (MATS1151), an intermediate-level programme offered by IMOHKC.</p> <p>This programme is co-organized with International Mathematical Olympiad Hong Kong Committee (IMOHKC)</p>
<p>Programme Type / Level</p>	<p>Introductory Course in Mathematical Olympiad (Token-required)</p>
<p>Instructor(s)</p>	<p>Miss Kwok Man Yi, Mandy</p>
<p>Target Participants</p> 	<p>➤ S1 – S3 HKAGE student members ➤ Class size: 30</p> <p>All applicants MUST submit the "Screening Form" no later than 25 May 2020 (Mon) at 12 noon</p> <p>* Not for students who have enrolled in 1. CGMO Training (Phase I) MATS1121 or 2. Introduction to Olympiad Mathematics (Phase I) MATS1151 or 3. Any phase of International Mathematics Olympiad (IMO) Training before</p>
<p>Medium of Instruction</p> 	<p>Cantonese with English handouts</p>
<p>Certificate</p> 	<p>E-Certificate will be awarded to participants who have:</p> <ul style="list-style-type: none"> ❖ Attended at least 3 sessions AND ❖ Satisfactory performance in the end-of-course test
<p>Intended Learning Outcomes</p> 	<p>Upon completion of the programme, participants should be able to:</p> <ol style="list-style-type: none"> 1. Broaden their mathematical knowledge in the topic of Combinatorics on the basis of junior secondary mathematics curriculum; 2. Strengthen their problem solving and higher-order thinking skills; 3. Learn more about the scope of International Mathematical Olympiad Training.
<p>Application Deadline</p>	<p>18 May 2020 12:00 n.n.</p> <p>Application Result Release Date 29 May 2020</p> <p>If student members withdraw from the programme after the Application Deadline, the token will be deducted.</p>

Schedule



Session	Date	Time	Venue(HKAGE)
Aptitude- Test [Cancelled]	16 May	1:30 p.m. – 3:30 p.m. or 4:00 p.m. – 6:00 p.m.	Computer Room 1/F, HKPC
Submission Deadline of “Screening Form”	25 May	12:00 n.n.	---
1	27 Jul	2:00 p.m. – 5:00 p.m.	Room 303
2	29 Jul		Online lecture:
3	31 Jul		Platform to be used:
4	3 Aug		Zoom Meeting

Remarks:

- 1. “Screening Form” will be sent to students concerned on 22 May (Fri) through email. Please submit the completed Form no later than 25 May (Mon) at 12 noon. Late submission will not be considered.**
2. For any assessment to be held in the programme, no make-up will be arranged.

Sample Examples for the Programme

1. How many five-digit numbers have 'decreasing digits' (e.g. 43210, 95321)?
2. Ann has 3 pieces of orange candies, 4 pieces of strawberry candies and 5 pieces of pineapple candies. She plans to eat 1 piece of candy every day. In how many different ways can she eat the 12 pieces of candies?

Enquiries



For enquiries, please contact us at 3940 0101 after language selection, press “1”.