



International Mathematical Olympiad Training 2019-20 (Phase I) Level I (MATS2131)

<p>Introduction</p>	<ul style="list-style-type: none"> • A comprehensive mathematics programme which covers such as Algebra, Number Theory, Geometry and Combinatorics • Introduce the basic curriculum of the International Mathematical Olympiad competition • Broaden student's mathematical knowledge, strengthen their problem solving, higher order and logical thinking skills • Training consists of 3 Phases: Phase I (July – August), Phase II (Sept – Dec) and Phase III (Jan – Mar 2020) • Students with outstanding performance in the programme would be selected as the representatives of Hong Kong in the 61st IMO 2020 held in the Russian Federation <p>The International Mathematical Olympiad Training programmes are co-organized with International Mathematical Olympiad Hong Kong Committee (IMOHKC)</p>
<p>Programme Type / Level</p>	<p>Advanced Course in Mathematical Olympiad (Token-required)</p>
<p>Instructor(s)</p>	<p>Dr Leung Tat Wing and other trainers</p>
<p>Target Participants</p> 	<ul style="list-style-type: none"> ➤ <u>Non-HKAGE student members</u> who were awarded Honourable Mention or above in IMO Preliminary Selection Contest – Hong Kong 2019 ➤ <u>HKAGE Student members</u> who <ul style="list-style-type: none"> ◆ were awarded Honourable Mention or above in IMO Preliminary Selection Contest – Hong Kong or ◆ have been a trainee in any phase of International Mathematics Olympiad (IMO) Training or ◆ have completed any Phase of CGMO or ◆ have completed any Phase of ITOM training with Distinction ➤ Class size: 40 <p><i>Remarks:</i> Awardees of Gold, Silver, Bronze Awards and Honourable Mentions will be eligible to participate in the “International Mathematics Olympiad Training 2019-20 (Phase I) Level 1”. Besides, awardees of appropriate age who have successfully completed the “International Mathematics Olympiad Training 2019-20 (Phase I) Level 1” may be invited to join the screening for HKAGE membership through the “Nurturing the Gifted Scheme”. For enquiries, please contact Student Services Team at 3940 0101 Membership - After language selection, press "3" or by email to ss@hkage.org.hk.</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 10 sessions AND ❖ Satisfactory performance in the end-of-course test

Intended Learning Outcomes



Upon completion of the programme, participants should be able to:
 1. Broaden their mathematical knowledge in a variety of areas on the basis of senior secondary mathematics curriculum;
 2. Strengthen their problem solving and higher-order thinking skills.

Application Deadline

24 Jun 2019 12:00 n.n.

Application Result Release Date

2 Jul 2019

If student members withdraw from the programme after the Application Deadline, the token will be deducted.

Schedule



Session	Date	Time	Topic	Venue (HKAGE)	
1	16 Jul	2:00 p.m. – 5:00 p.m.	Introduction to IMO and Problem Solving	303	
2	18 Jul		Combinatorial Geometry		
3	20 Jul		Geometry I		
4	23 Jul		Combinatorics I	105	
5	25 Jul		Combinatorics II		
6	27 Jul		Algebra I	303	
7	30 Jul		Number Theory I		
8	1 Aug		Number Theory II		
9	3 Aug		Geometry II		
10 Cancelled	6 Aug			Geometry III No make-up lesson	303
11	8 Aug		Algebra II	303	
12	10 Aug		Inequalities		
13	24 Aug			Test	403

Remarks:

Students **MUST ATTEND** the test held on **24 Aug**. No make-up test will be arranged.

Enquiries



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