



International Mathematics Olympiad Training

2019-20 (Phase II) Level I (MATS2132)

Introduction

- A comprehensive mathematics programme which covers such as Algebra, Number Theory, Geometry and Combinatorics
- Introduce the basic curriculum of the International Mathematics 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 Russian Federation

The International Mathematical Olympiad Training programmes are co-organized with International Mathematical Olympiad Hong Kong Committee (IMOHKC)

Programme Type / Level

Advanced Course in Mathematical Olympiad ([Token-required](#))

Instructor(s)

Dr Leung Tat Wing and other trainers

Target Participants

NON-HKAGE Student members who
 ◆ were awarded **Honourable Mention or above in IMO Preliminary Selection Contest – Hong Kong**



HKAGE Student members who
 ◆ 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: 30

Medium of Instruction



Cantonese with English handouts

Certificate



E-Certificate will be awarded to participants who have:
 ❖ Attended **at least 9 sessions in the first 12 sessions AND**
 ❖ **Satisfactory performance in ALL assessments**

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

28 Aug 2019 12:00 n.n.

Application Result Release Date

4 Sep 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	21 Sep	2:00 p.m. – 5:00 p.m.	Geometry IV (Homothety, Spiral Similarity)	105
2	28 Sep		Geometry V (Homothety, Spiral Similarity)	
3 [Cancelled]	5 Oct		Geometry VI (Coordinate Geometry)	
4	12 Oct		Combinatorics III	
5	19 Oct		Combinatorics IV	
6	26 Oct		Test 2	
7	2 Nov		Combinatorics V	303
8	9 Nov		Number Theory III (Diophantine Equations, Primitive Roots)	
9 [Cancelled]	16 Nov		Number Theory IV	
10	23 Nov		Sequences and Series	
11	30 Nov		Functional Equations	
12	7 Dec		CHKMO	
13*	14 Dec		Miscellaneous Olympiad Problems	105
14*	21 Dec		Miscellaneous Olympiad Problems	
15*	28 Dec		Miscellaneous Olympiad Problems	204
16*	4 Jan 2020		Miscellaneous Olympiad Problems	

Remarks:

1. Students **MUST ATTEND** the test held on **26 Oct** and **7 Dec**. No make-up test will be arranged.
2. Session 13 to 16 are supplementary lessons.

Enquiries



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