

# International Mathematical Olympiad Training

## 2019-20 (Phase I) Level 2 (MATS3134)

### Introduction

- A comprehensive mathematics programme which covers areas such as Algebra, Number Theory, Geometry and Combinatorics
- Provide training for students aiming for the International Mathematics Olympiad competition
- A more intensive training for students who completed IMO Training previously to broaden their mathematical knowledge and strengthen their problem solving 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 61<sup>st</sup> IMO 2020 held in the 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 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.	Combinatorics Revision I	204
2	18 Jul		Combinatorics Revision II	403
3	20 Jul		Number Theory Revision I	
4	23 Jul		Number Theory Revision II	204
5	25 Jul		Algebra Revision I	403
6	27 Jul		Algebra Revisions II	
7	30 Jul		Algebra Revisions III	
8	1 Aug		IMO Shortlist Problem I	
9	3 Aug		IMO Shortlist Problem II	
10	6 Aug		IMO Shortlist Problem III	
11	8 Aug		IMO Shortlist Problem IV	
12	10 Aug		IMO Shortlist Problem V	
13	<b>24 Aug</b>		<b>Test</b>	<b>105</b>

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”.