

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 61st 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 Cancelled	6 Aug		IMO Shortlist Problem III No make-up lesson	
11	8 Aug		IMO Shortlist Problem IV	
12	10 Aug		IMO Shortlist Problem V	
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”.