



International Mathematics Olympiad Training

2020-21 (Phase II) Level I (E3IMO004C)

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 2021)
- Students with outstanding performance in the programme would be selected as the representatives of Hong Kong in the 62nd IMO 2021

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: 40

Medium of Instruction

Cantonese with English handouts

Certificate

- E-Certificate** will be awarded to participants who have:
- ❖ Attended **at least 11 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

31 Aug 2020
12:00 n.n.

Application Result Release Date

4 Sep 2020

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

Schedule

Session	Date	Time	Topic	Instructor	Venue HKAGE
1	19 Sep	2:00 p.m. – 5:00 p.m.	Number Theory III: Order, Primitive Roots, Quadratic Reciprocity	L T Chan	303
2	26 Sep		Geometry IV	K K Kwok	
3	3 Oct		Geometry V	K K Kwok	
4	10 Oct		Combinatorics III AE Support 1: Overcome Failure 1 (F1IMO001W)	K H Law	
5	17 Oct		Aug Test (Postponed till now)	T W Leung	
6	24 Oct		Combinatorics IV	K H Law	
7	30 Oct	12:00 n.n – 4:30 p.m.	Iranian Geometry Olympiad Competition	T W Leung	105
8	31 Oct	2:00 p.m. – 5:00 p.m.	Oct Test	T W Leung	303
9	7 Nov		Algebra IV: Harder Inequalities	C M Hung	
10	14 Nov		Number Theory IV: Order, Primitive Roots, Quadratic Reciprocity AE Support 2: Overcome Failure 2 (F1IMO001W)	L T Chan	
11	21 Nov		Geometry VI	K K Kwok	
12	28 Nov		Geometry VII	K K Kwok	
13	5 Dec	2:00 p.m. – 5:00 p.m.	CHKMO	T W Leung	105
14	12 Dec		Combinatorics V	K H Law	303 Online Teaching
15	19 Dec		Algebra V: Harder Inequalities AE Support 3: Overcome Failure 3 (F1IMO001W)	C M Hung	

Remarks:

- Students **MUST ATTEND** the tests held on **17 Oct, 30 Oct, 31 Oct and 5 Dec**. No make-up test will be arranged.
- The topics and instructors are subject to change without prior notice.

For enquiries, please contact Academic Programme Development Division on 3940 0101 after language selection, press "1".

Enquiries