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Advanced Course in  
Mathematical Olympiad

# International Mathematics Olympiad Training 2021-22 (Phase III) Level 2

Dr Leung Tat Wing and other trainers

**Application Deadline**  
**23 Dec 2021 12:00 n.n**

**Result Release**  
**30 Dec 2021**

## **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



## ◆ 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 (Jul – Aug 2021), Phase II (Sep – Dec 2021) and Phase III (Jan – Mar 2022)

Students with outstanding performance in the programme would be selected as the representatives of Hong Kong in the 63rd IMO 2022

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

## ◆ 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: 25

## ◆ Certificate

E-Certificate will be awarded to participants who have:

- attended **at least 7 sessions**; and
- completed all the assignments with satisfactory performance

## ◆ Medium of Instruction

Cantonese with English Handouts



## ◆ Schedule

Session	Date	Time	Venue
1	8 Jan 2022	2:00 p.m. – 5:00 p.m.	Room 204, HKAGE
2	<del>15 Jan</del>	Cancelled	Cancelled
3	22 Jan	2:00 p.m. – 5:00 p.m.	Room 204, HKAGE Zoom Meeting
4	29 Jan		
5	12 Feb		
6	19 Feb		
7	26 Feb		Room 204, HKAGE
8	5 Mar	9:00 a.m. – 1:00 p.m.	Room 105, HKAGE
9	8 Mar		

Remarks:

1. Students **MUST ATTEND** the test **Asian Pacific Mathematics Olympiad (APMO)** held on **8 Mar 2022**. No make-up test will be arranged.
2. Students will be **notified through email which Level they belong to** on or before 31 Dec 2021.

