

**Training for the Mathematical Olympiad in Maynooth University**  
**January 2022 – May 2022**

The following is the programme for Olympiad training in Maynooth University, in the period from January 2022 to May 2022. The classes will be held from 10 a.m. to 1 p.m. on the listed Saturdays. Due to uncertainty because of the ongoing Covid-19 pandemic, the first two weeks will be held exclusively online. We will explore the option of moving the classes to an in-person setting if circumstances are favourable.

The provision of the advanced class depends on the number of “second time” participants, and it will be cancelled if too few people indicate their willingness to attend on a regular basis. Of course, no individual first- or second-timer should feel bound to attend every single class.

The personnel involved in 2022 are: Dr S. Bechtluft-Sachs (SBS); Prof S. Buckley (SB); Dr G. Cleanthous (GC); P. Clifford (PC); Kevin Galligan (KG); Prof D. Malone (DM); Dr O. Mason (OM); Dr R.A. Moral (RAM); Dr J. Murray (JM); Prof A. O’Farrell (AOF); G. Palma (GP); R. Sparkes (RS); Dr M. Walsh (MW) and, hopefully, some other volunteers from time to time.

Date	Venue	10:00–10:50	10:50–11:40	12:10–1:00
15/01/22	Online	Introduction (RAM/SB)	Induction (SB)	Induction (SB)
22/01/22	Online	Geometry (AOF)	Geometry (AOF)	Geometry (AOF)
29/01/22	Physics Hall	Number Theory (JM)	Number Theory (JM)	Number Theory (JM)
05/02/22	Physics Hall	Number Theory (PC)	Number Theory (PC)	Number Theory (PC)
12/02/22	Physics Hall	Trigonometry (DM)	Trigonometry (DM)	Trigonometry (DM)
19/02/22	Physics Hall MS2	Combinatorics (GP) Advanced class (RS)	Combinatorics (GP) Advanced class (RS)	Combinatorics (GP) Advanced class (RS)
05/03/22	Physics Hall MS2	Functional Eqns (OM) Advanced class (AOF)	Functional Eqns (OM) Advanced class (AOF)	Functional Eqns (OM) Advanced class (AOF)
12/03/22	Physics Hall MS2	Inequalities (KG) Advanced class (DM)	Inequalities (KG) Advanced class (DM)	Inequalities (KG) Advanced class (DM)
26/03/22	Physics Hall MS2	Inequalities (RAM) Advanced class (SBS)	Complex Numbers (RAM) Advanced class (SBS)	Complex Numbers (RAM) Advanced class (SBS)
02/04/22	Online MS2	Algebra (GC) Advanced class (MW)	Algebra (GC) Advanced class (MW)	Algebra (GC) Advanced class (MW)
09/04/22	Physics Hall	Local contest	Local contest	Local contest
30/04/22	TBC	Common Class (JM/MW)	Common Class (JM/MW)	Common Class (JM/MW)
07/05/22	TBC	IrMO	IrMO	IrMO

The 35<sup>th</sup> Irish Mathematical Olympiad is currently scheduled to take place on Saturday 7<sup>th</sup> May 2022, from 10.00 to 13.00 and from 14.00 to 17.00 in Logic House, Maynooth University, and in other venues in Cork, Dublin, Galway and Limerick. The 63<sup>rd</sup> International Mathematical Olympiad will take place in Oslo, Norway, from 6<sup>th</sup>–16<sup>th</sup> July 2022.