

**Training for the Mathematical Olympiad in Maynooth University**  
**October 2023 – January 2024**

The following is the programme for Olympiad training in Maynooth University, in the period from October 2023 to January 2024. The classes will be held from 10 a.m. to 1 p.m. on the listed Saturdays, in person. No individual first- or second-timer should feel bound to attend every single class.

The trainers involved in 2023 are: Dr I. Banfield (IB); Dr S. Bechtluft-Sachs (SBS); Prof S. Buckley (SB); Dr G. Cleanthous (GC); P. Clifford (PC); O. Davey (OD); K. Galligan (KG); Dr. P. Heslin (PH); 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); L. Pforte (LP); 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
7/10/23	Physics Hall MS2	Introduction (JM/SB) Advanced class (DM)	Induction (SB) Advanced class (DM)	Induction (SB) Advanced class (DM)
14/10/23	Physics Hall MS2	Geometry (AOF) Advanced class (OD)	Geometry (AOF) Advanced class (OD)	Geometry (AOF) Advanced class (OD)
21/10/23	Physics Hall MS2	Number Theory (JM) Advanced class (SBS/RS)	Number Theory (JM) Advanced class (SBS/RS)	Number Theory (JM) Advanced class (SBS/RS)
28/10/23	Physics Hall MS2	Number Theory (PC) Advanced class (PH)	Number Theory (PC) Advanced class (PH)	Number Theory (PC) Advanced class (PH)
11/11/23	Physics Hall MS2	Combinatorics (GP) Advanced class (SBS)	Combinatorics (GP) Advanced class (SBS)	Combinatorics (GP) Advanced class (SBS)
18/11/23	Physics Hall MS2	Trigonometry (PH) Advanced class (LP)	Trigonometry (PH) Advanced class (LP)	Trigonometry (PH) Advanced class (LP)
25/11/23	Physics Hall MS2	Functional Eqns (OM) Advanced class (MW)	Functional Eqns (OM) Advanced class (MW)	Functional Eqns (OM) Advanced class (MW)
2/12/23	Physics Hall MS2	Inequalities (IB) Advanced class (DM)	Inequalities (IB) Advanced class (DM)	Inequalities (IB) Advanced class (DM)
9/12/23	Physics Hall MS2	Inequalities (LC) Advanced class (AOF)	Complex Numbers (LC) Advanced class (AOF)	Complex Numbers (LC) Advanced class (AOF)
16/12/23	Physics Hall MS2	Algebra (GC) Advanced class (RAM)	Algebra (GC) Advanced class (RAM)	Algebra (GC) Advanced class (RAM)
13/01/24	MS2	Local contest	Local contest	Local contest
20/01/24	MS2	Common class (SB)	Common class (SB)	Common class (SB)
27/01/24	MS2	IrMO	IrMO	IrMO

The 37<sup>th</sup> Irish Mathematical Olympiad will take place on Saturday 27<sup>th</sup> January 2024, 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 65<sup>th</sup> International Mathematical Olympiad will take place in Bath, UK from 10-22 July 2024. See <https://www.imo2024.uk/> for details.