

Training for the Mathematical Olympiad in Maynooth University
January 2020 – May 2020

The following is the programme for Olympiad training in the National University of Ireland, Maynooth, in the period from January 2020 to May 2020. The classes will be held from 10 a.m. to 1 p.m. on the listed Saturdays in various locations given below: Callan Hall (CH) and Physics Hall (PH), both near the entrance to the South Campus; and classhall MS2, on the top floor of Logic House, South Campus. In so far as possible, the non-advanced classes scheduled for CH/PH will take place on the indicated days, and will be cancelled only in the event of a major problem such as a severe, prolonged, winter storm; but the order in which topics are covered, and the topic providers, are subject to change. 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, particularly on mornings with heavy frost or snow.

The personnel involved in 2020 are: Dr S. Bechtluft-Sachs (SBS); Prof S. Buckley (SB); Dr P. Clifford (PC); Dr. Rafael de Andrade Moral (RDM); Liam Jordon (LJ); Dr D. Malone (DM); Dr O. Mason (OM); Dr J. Murray (JM); Prof A. O’Farrell (AOF); Dr A. Ralph (AR); Dr D. Redmond (DR); Dr K. Stokes (KS); 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
18/01/20	CH MS2	Introduction (SB)	Induction (SB) Advanced class (JM)	Induction (SB) Advanced class (JM)
25/01/20	CH MS2	Geometry (AOF) Advanced class (DM)	Geometry (AOF) Advanced class (DM)	Geometry (AOF) Advanced class (DM)
01/02/20	PH MS2	Number Theory (JM) Advanced class (SB)	Number Theory (JM) Advanced class (SB)	Number Theory (JM) Advanced class (SB)
08/02/20 (EGMO)	PH MS2	Number Theory (PC) Advanced class (DM)	Number Theory (PC) Advanced class (DM)	Number Theory (PC) Advanced class (DM)
15/02/20	PH MS2	Trigonometry (SBS) Advanced class (OM)	Trigonometry (SBS) Advanced class (OM)	Trigonometry (SBS) Advanced class (OM)
29/02/20	PH MS2	Combinatorics (PC) Advanced class (SBS)	Combinatorics (PC) Advanced class (SBS)	Combinatorics (PC) Advanced class (SBS)
07/03/20	PH	Training contest	Training contest	Training contest
21/03/20	PH MS2	Functional Eqns (OM) Advanced class (KS)	Functional Eqns (OM) Advanced class (KS)	Functional Eqns (OM) Advanced class (KS)
28/03/20	PH MS2	Inequalities (LJ) Advanced class (AOF)	Inequalities (LJ) Advanced class (AOF)	Inequalities (LJ) Advanced class (AOF)
04/04/20	PH MS2	Inequalities (RDM) Advanced class (DR)	Complex Numbers (RDM) Advanced class (DR)	Complex Numbers (RDM) Advanced class (DR)
25/04/20	PH MS2	Algebra (AR) Advanced class (MW)	Algebra (AR) Advanced class (MW)	Algebra (AR) Advanced class (MW)
02/05/20	MS2	Common Class (MW/RDM)	Common Class (MW/RDM)	Common Class (MW/RDM)
09/05/20	MS2	IrMo	IrMO	IrMO

The 33rd Irish Mathematical Olympiad is currently scheduled to take place on Saturday 9th May 2020, 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 61st International Mathematical Olympiad will take place in St. Petersburg, Russian Federation, from 8th–18th July 2020.