

Training for the Mathematical Olympiad in NUI, Maynooth
January 2012 - May 2012

The following is the programme for Olympiad training in the National University of Ireland, Maynooth, in the period from 14th January, 2012 to 21st April, 2012, inclusive. 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 2012 are: S. Balagopalan (SoB); Dr S. Bechtluft-Sachs (SBS); Professor S. Buckley (SB); Dr P. Clifford (PC); Dr K. Domijan (KD); Dr D. Malone (DM); Dr J. Murray (JM); Professor A. O'Farrell (AOF); Dr L. Pforte (LP); Dr A. Ralph (AR); Dr D. Redmond (DR); Dr R. Watson; and, hopefully, some other volunteers from time to time.

Date	Venue	10:00-10.50	10:50-11.40	12.10-1.00
14/01/12	CH	Introduction (SB)	Induction (SB)	Number Theory (SB)
			Advanced class (JM)	Advanced class (JM)
21/01/12	CH	Number Theory (DR)	Number Theory (DR)	Combinatorics (KD)
	MS2	Advanced class (AR)	Advanced class (AR)	Advanced class (AR)
28/01/12	CH	Geometry (SoB)	Geometry (SoB)	Geometry (SoB)
	MS2	Advanced class (JM)	Advanced class (JM)	Advanced class (JM)
04/02/12	PH	Inequalities (SB)	Inequalities (SB)	Inequalities (SB)
	MS2	Advanced class (SBS)	Advanced class (SBS)	Advanced class (SBS)
11/02/12	PH	Complex Numbers (LP)	Complex Numbers (LP)	Number Theory (SBS)
	MS2	Advanced class (DM)	Advanced class (DM)	Advanced class (DM)
18/02/12	PH	Trigonometry (AOF)	Trigonometry (AOF)	Trigonometry (AOF)
	MS2	Advanced class (PC)	Advanced class (PC)	Advanced class (PC)
25/02/12	PH	Geometry (SBS)	Geometry (SBS)	Geometry (SBS)
	MS2	Advanced class (AOF)	Advanced class (AOF)	Advanced class (AOF)
03/03/12	PH	Combinatorics (KD)	Combinatorics (KD)	Combinatorics (KD)
	MS2	Advanced class (DM)	Advanced class (DM)	Advanced class (DM)
10/03/12	PH	Training contest	Training contest	Training contest
24/03/12	PH	Functional Eqns (PC)	Functional Eqns (PC)	Functional Eqns (PC)
	MS2	Advanced class (LP)	Advanced class (LP)	Advanced class (LP)
31/03/12	PH	Number Theory (DR)	Number Theory (DR)	Number Theory (DR)
	MS2	Advanced class (SoB)	Advanced class (SoB)	Advanced class (SoB)
14/04/12	MS2	Common class (JM)	Common class (JM)	Common class (JM)
21/04/12	MS2	Common class (SB)	Common class (SB)	Common class (SB)
			PRIZE GIVING 11.40 – 12.10	

The 25th Irish Mathematical Olympiad will most likely be held on Saturday 5th May 2012, from 9.30 to 12.30 and from 14.00 to 17.00 in **TBC**, Logic House, NUI Maynooth, and in other venues in Cork, Dublin, Galway and Limerick. The 53rd International Mathematical Olympiad will take place in Mar del Plata, Argentina from 4th to 16th July 2012.