

## Training for the Mathematical Olympiad in NUI, Maynooth January 2014 - May 2014

The following is the programme for Olympiad training in the National University of Ireland, Maynooth, in the period from 18<sup>th</sup> January, 2014 to 26<sup>th</sup> April, 2014, 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 2014 are: S. Balagopalan (SOB); Dr S. Bechtluft-Sachs (SBS); Professor S. Buckley (SB); Dr K. Domijan (KD), Dr P. Clifford (PC); Dr D. Malone (DM); Dr J. Murray (JM); Professor A. O'Farrell (AOF); Dr James O'Shea (JOS); 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
18/01/14	CH	Introduction (SB)	Induction (SB)	Induction (SB)
	MS2		Advanced class (JM)	Advanced class (JM)
25/01/14	CH	Geometry (AOF)	Geometry (AOF)	Geometry (AOF)
	MS2	Advanced class (PC)	Advanced class (PC)	Advanced class (PC)
01/02/14	PH	Trigonometry (SOB)	Trigonometry (SOB)	Trigonometry (SOB)
	MS2	Advanced class (AR)	Advanced class (AR)	Advanced class (AR)
08/02/14	PH	Number Theory (DR)	Number Theory (DR)	Number Theory (DR)
	MS2	Advanced class (LP)	Advanced class (LP)	Advanced class (LP)
15/02/14	PH	Number Theory (JOS)	Number Theory (JOS)	Number Theory (JOS)
	MS2	Advanced class (DM)	Advanced class (DM)	Advanced class (DM)
22/02/14	PH	Combinatorics (PC)	Combinatorics (PC)	Combinatorics (PC)
	MS2	Advanced class (DR)	Advanced class (DR)	Advanced class (DR)
01/03/14	PH	Inequalities (SB)	Inequalities (SB)	Inequalities (SB)
	MS2	Advanced class (AOF)	Advanced class (AOF)	Advanced class (AOF)
08/03/14	PH	Training contest	Training contest	Training contest
22/03/14	PH	Inequalities (SB)	Complex Numbers (SB)	Complex Numbers (SB)
	MS2	Advanced class (DM)	Advanced class (DM)	Advanced class (DM)
29/03/14	PH	Functional Eqns (SBS)	Functional Eqns (SBS)	Functional Eqns (SBS)
	MS2	Advanced class (LP)	Advanced class (LP)	Advanced class (LP)
05/04/14	PH	Algebra (AR)	Algebra (AR)	Algebra (AR)
	MS2	Advanced class (SOB)	Advanced class (SOB)	Advanced class (SOB)
12/04/14	MS2	Common class (SBS)	Common class (SBS)	Common class (SBS)
26/04/14	MS2	Common class (JM)	Common class (JM)	Common class (JM)

The 27<sup>th</sup> Irish Mathematical Olympiad will take place on Saturday 10<sup>th</sup> May 2014, from 9.30 to 12.30 and from 14.00 to 17.00 in Logic House, NUI Maynooth, and in other venues in Cork, Dublin, Galway and Limerick. The 55<sup>th</sup> International Mathematical Olympiad will take place in Cape Town, South Africa from 3<sup>rd</sup> -13<sup>th</sup> July 2014.