Chronological list of lecture courses for MPhil in Scientific Computing 2023-24

Please refer to https://mphil.csc.cam.ac.uk/current-students-2023-24/course-documents/ or the Google Calendar for complete details. Some courses have scheduling irregularities that are only shown on the complete timetable.

HPC	Continuum	Atomistic
		Foundation Course in QM Prof. Artacho Tu/Th @ 9am Start: Thursday 5th October
		Atomistic Modelling of Materials Dr Witt and Dr Schran Mon@1pm/Th@11am/Fr@1pm Start: Thursday 5th October
Research Computing Dr Fergusson and Dr Blakely Tue @ 11am, Thu/Fri @ 2pm Start: Friday 6th October		
RSE Seminars Various speakers Thur @ 1pm Start: Thursday 5th October		
Scientific Computing in C++ Dr Blakely 9am M/W/F Start: Friday 6th Oct		
	Foundation course for Continuum Dr Millmore M/W/F@11am Start: Friday 6th October	
	Numerical Methods for Compressible Fluid Dynamics Dr Millmore M/W/F@11am Start: Mon 16th October	
		Introduction to Topological Materials Dr Monserrat M/W/F@2pm Start: Monday 16th October
	Numerical Methods for Incompressible Fluid Dynamics Prof. Jasak Tu/Th@2pm Start: Tuesday 17th October	
		Electronic structure Prof. Artacho Tu/Th@9am Start: Thursday 26th October

		Advanced Atomistic Simulation Dr Schran Tu/Th@10am Start: Tuesday 31st October
	Simulation of Matter under Extreme Conditions Dr Millmore and Dr Gokhale M/W/F@9am Start: Friday 3rd November	
	Simulation of Complex Incompressible and Low-strain Rate Phenomena Prof. Jasak Tu/Th@2pm Start: Tuesday 14th November	
	Multiphysics Modelling for Four States of Matter Dr Millmore M/W/F@9am Start: Friday 17th November	
	Advanced Computational Algorithms for PDEs Prof. Toro Start: Monday 20th Nov @ 10am (See full timetable for schedule.)	
OpenMP Dr Bull Mon@11am, T/W/Th/F@9am Start: Monday 15th January		
Advanced Research Computing Dr Fergusson and Dr Blakely Mon@10am, Tu/Th@11am Start: Thursday 18th January		
MPI Dr Nikodemou Mon@11am, T/W/Th/F@9am Start: Monday 22nd January		
GPUs/CUDA Dr Blakely Mon@11am, T/W/Th/F@9am Start: Monday 29th January		
Data Visualisation Techniques Dr Millmore Mon@2pm Start: Mon 22nd January		
	Adaptive Mesh Refinement Dr Millmore and Dr Blakely Fri@1pm Start: Friday 19th January	