

2021-22 Part III / MAST Astrophysics recommended courses

Michaelmas 2021	Lent 2022
Physics of the Earth as a Planet † Dr D. Al-Attar & Dr J. A. Neufeld M.W.F. 10:30 <i>Small LT, Cavendish</i> [3 units] [P]	Formation of Structure in the Universe † Dr N. Laporte TBC [2 units] [P]
Cosmology Dr B. D. Sherwin M.W.F. 10:00 <i>MR2</i> [3 units] [M]	Field Theory in Cosmology Prof. E. P. S. Shellard & Dr S. Melville M.W.F. 12:00 <i>MR11</i> [3 units] [M]
Formation of Galaxies Prof. N. W. Evans M.W.F. 09:00 <i>MR11</i> [3 units] [M]	Extrasolar Planets: Atmospheres and Interiors Dr N. Madhusudhan M.W.F. 11:00 <i>MR14</i> [3 units] [M]
Astrophysical Fluid Dynamics Dr R. Rafikov M.W.F. 12:00 <i>MR13</i> [3 units] [M]	Astrostatistics Dr K. S. Mandel M.W.F. 12:00 <i>MR5</i> [3 units] [M]
Relativistic Astrophysics and Cosmology † Dr W. Handley M.W.F. 12:00 <i>IoA SLT</i> [3 units] [P]	Black Holes Dr J. E. Santos M.W.F. 10:00 <i>MR3</i> [3 units] [M]
Particle Physics † Dr C. Lester M.W.F. 09:00 <i>Pippard, Cavendish</i> [3 units] [P]	Modern Stellar Dynamics Dr E. Vasiliev Tu.Th. 09:00 <i>MR13</i> [2 units] [M]
General Relativity Prof. H. S. Reall M.W.F. 12:00 <i>MR2</i> [3 units] [M]	Binary Stars Prof. C. A. Tout Tu.Th. 11:00 <i>MR13</i> [2 units] [M]
Structure and Evolution of Stars Dr A.N. Zytkov M.W.F. 11:00 <i>MR11</i> [3 units] [M]	Astrophysical Black Holes Dr D. Sijacki Tu.Th. 10:00 <i>MR13</i> [2 units] [M]
Quantum Field Theory Prof. N. Dorey Tu.Th.S. 12:00 <i>MR2</i> [3 units] [M]	Exoplanets and Planetary Systems † Prof. D. Queloz TBC [2 units] [P]
	Dynamics of Astrophysical Discs Dr H. N. Latter Tu.Th. 12:00 <i>MR13</i> [2 units] [M]

Information about lectures held at the Centre for Mathematical Sciences (CMS) is also available at:
<https://www.maths.cam.ac.uk/undergrad/files/lecturelist/current/partiii.pdf>

In addition, attendance at a short orientation course, covering practical aspects of Unix and use of the Institute of Astronomy Science Cluster is required. The course begins the week commencing 11 October 2021.