

Lectures proposed by the Board of the Faculty of Physics and Chemistry and the Faculty Board of Mathematics

GRADUATE LECTURES IN ASTRONOMY AND ASTROPHYSICS

MICHAELMAS 2002

LENT 2003

EASTER 2003

INSTITUTE OF ASTRONOMY

In the *Raymond and Beverly Sackler Lecture Theatre* at the Institute
except * which will be held in the *Centre for Mathematical Sciences, Clarkson Road*

DR S. J. SMARTT
Observational Astronomy. Telescopes and Instrumentation. M. Th. 2 (first half of term)

DR D. LAZZATI AND MR E. RAMIREZ-RUIZ
Gamma-Ray Bursts. M. Th. 2 (second half of term)

DR J. S. SANDERS
Graduate Training Course. (Observing and Computing Tools). Tu. 2 (Four lectures)

PROF. J. P. OSTRIKER*
Galaxies. Tu. Th. 10 *MR 11* W. 11 *MR 3*

DR C. A. TOUT*
Structure and Evolution of Stars. M. W. F. 12 *MR 11*

Regular Seminars
Topical Astronomy. W. 1.15
Astrophysical Colloquia. Th. 4.30

DR C. S. CRAWFORD
Clusters of Galaxies. M. Th. 2 (first half of term)

DR S. BRIDLE
Probing Dark Matter - Gravitational Lensing, Large Scale Structure and the Cosmic Microwave Background. M. Th. 2 (second half of term)

DR O. LAHAV*
Physical Cosmology. M. W. F. 10, *MR 5*

PROF. J. E. PRINGLE*
Astrophysical Fluid Dynamics. M. W. F. 12 *MR 11*

DR G. I. OGILVIE*
Astrophysical Discs and Magnetohydrodynamics. M. W. F. 11 *MR 4*

DR R. DE GRIJS
Star Clusters and Star Cluster Systems. M. Th. 2 (first half of term)

CAVENDISH ASTROPHYSICS GROUP

Lectures take place on M. Tu. W. and F. at 10.00 in the *Ryle Seminar Room, Rutherford Building, Cavendish Laboratory.*

A Detailed timetable will be announced at the first lecture of each term

DR C. A. HANIFF
Astronomical Techniques (Eight lectures)

DR K. J. B. GRAINGE
Radiation and Radiative Transfer (Eight lectures)

DR P. ALEXANDER
Fluids, Stellar Dynamics, Magnetic Fields (Eight lectures)

DR G. G. POOLEY
Statistics and Probability (Four lectures)

PROF. R. E. HILLS
Theory and Practice of Observing (Four lectures)

Regular Seminar
Cavendish Astrophysics Seminar. Tu. 3.30

DR J. S. YOUNG
Interferometry (Four lectures)

DR G. YASSIN
Applied Electromagnetics (Four lectures)

DR D. A. GREEN AND DR J. S. RICHER
Star Formation and Evolution (Eight lectures)

DR G. COTTER
AGN, Galaxies and Clusters (Eight lectures)

DR M. E. JONES
Observational Cosmology (Eight lectures)

The same continued.

DR S. WITHINGTON
Partial Coherence and Quantum Optics in Astronomy (Four lectures)

DR S. S. MAHAJAN
Order of Magnitude Astrophysics (Six lectures)

DR A. D. CHALLINOR AND PROF. A. N. LASENBY
Theoretical Cosmology (Eight lectures)

DR M. P. HOBSON
Inverse problems (Four lectures)

The same continued.

DEPARTMENT OF APPLIED MATHEMATICS AND THEORETICAL PHYSICS

Lectures will be held at the *Centre for Mathematical Sciences, Clarkson Road*

DR V. M. STEWART
General Relativity. M. W. F. 9 *MR 3*

DR A. C. DAVIS
Cosmology. M. W. 10 *MR 5* (Sixteen lectures)

PROF. N. G. TUROK, DRS M. A. BUTCHER AND R. G. CRITTENDEN
Advanced Cosmology. Tu. Th. S. 12 *MR 9*

DR M. J. PERRY
Black Holes. Tu. Th. S. 10 *MR 3*