

Astrophysics & Cosmology - Video course

COURSE OUTLINE

The course covers lessons in Introduction, Keplers Law, The Solar System, The Solar System, Binary Systems, Tidal Forces and the Earth Moon System, Fluid Mechanics, Thermal Radiation, Virial Theorem and Its Application to Star, Stellar Physics, White Dwarfs, White Dwarfs and Neutron Stars .

COURSE DETAIL

S.No	Topic
1	Introduction
2	Keplers Law
3	The Solar System
4	The Solar System (Contd.)
5	Binary Systems
6	Binary Systems (Contd.)
7	Tidal Forces and the Earth Moon System
8	Fluid Mechanics
9	Hydrostatics and the Solar Wind
10	Radiative Transfer
11	Radiative Transfer (Contd.)
12	Thermal Radiation



NP-TEL

NPTEL

<http://nptel.ac.in>

Physics

Coordinators:

Prof. S. Bharadwaj
Department of Physics &
Meteorology IIT Kharagpur

13	Thermal Radiation and the Sun
14	Virial Theorem and Its Application to Stars
15	Stars: Magnitudes and the H-R Diagram
16	Stellar Physics
17	White Dwarfs
18	White Dwarfs and Neutron Stars
19	Galaxies
20	Galaxies and the Expanding Universe
21	The Expanding Universe

