

## PHY305 Physics of Universe

### Course outline:

Astronomical observations and Coordinate systems, Astrometry, Photometry, Stellar Classification, Interaction of Radiation with matter, Stellar structure and nuclear reactions, Star Formation and Stellar evolution, Interstellar medium, Compact stars, Sun and Solar system, Binary stars, Milky Way, Extragalactic Astronomy, brief introduction to cosmology

### Grading:

two Quizzes 20+20

midsem 80

endsem 120

### References:

An Introduction to Astronomy and Astrophysics by Pankaj Jain

An Introduction to Modern Astrophysics, B. W. Carroll and D. A. Ostlie

Pankaj Jain