

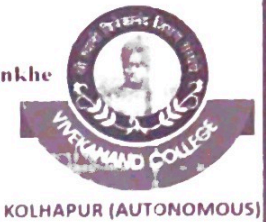


"Education for Knowledge, Science, and Culture"

- Shikshanmaharshi Dr. Bapuji Salunkhe

Shri Swami Vivekanand Shikshan Sanstha's

Vivekanand College, Kolhapur
(Autonomous)



B.Sc. II Astrophysics

Course Outcomes (Syllabus w.e.f. 2022-23)

Fundamentals of Astronomy and Fundamentals of Astrophysics

(DSC-1511C1 Sem III)

Course Outcomes: After the completion of the course the student will be able to -

CO₁: understand the basic primary concept of ancient astronomical theories. To understand the knowledge of apparent luminosity of stars

CO₂: demonstrate a proficiency in solving problems in Astronomy and Astrophysics

CO₃: understand the basic concepts of (I) Celestial objects, Celestial Sphere, Celestial Coordinates. (II) Terrestrial distances, concept of light years, distance of sun, moon and stars.

(III) Identification of stars, various constellations and Comets, Asteroids and Meteors. (IV) Various Spectrums, Different tools of Astronomers, evolutions of stars, H-R diagram. (V) Different theories describing origin of stars

CO₄: develop the critical skill in students to understand Astronomy and Astrophysics.

Galaxies, Cosmology, solar system and cosmic electrodynamics

(DSC-1001D1 Sem-IV)

Course Outcomes: After the completion of the course the student will be able to -

CO₁: understand the basic knowledge about galaxies Cosmology, solar system and cosmic electrodynamics.


CO₂: demonstrate a proficiency in solving problems in galaxies Cosmology, solar system and cosmic electrodynamics.

CO₃: understand the basic concepts of (I) Cosmological theories, cosmological tests. (II) Milky-way galaxy, position of our solar system in milky way galaxy (III) Details of our solar system, theories of moon (IV) Concepts of fluid, continuity equation, basic equation of fluid dynamics.

(V) Equation of electrodynamics and magneto hydro dynamics

CO₄: develop the critical skill in students to understand applied knowledge of Galaxies, Cosmology, solar system, and cosmic electrodynamics.




HEAD
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