

(C) Multidisciplinary Courses to be offered

Sl. No.	Sem	Type of Course	Name of Course	Credits	Marks
1.	I	MDC-1	To be selected from the basket	3	100
2.	II	MDC-2	To be selected from the basket	3	100
3.	III	MDC-3	To be selected from the basket	3	100

Sub Total = 09

Multidisciplinary Course (3 Credit)

Course Title	Credit	Credit Distribution	
		Theory	Practical
Physics Around Us	3	3	0

Course Outcomes

After completion of the course, the student will be able to-

- CO 1-Understand the physical laws governing climate and atmosphere
- CO2- Explore the use of Physics in agriculture and its product Preservation.
- CO3-Importance of Renewable energy and Physics behind its various harvested types.

Physics Around Us

UNIT 1

01 Credit (15 hrs)

Climate Science

Atmospheric science as multidisciplinary science, physical and dynamical metrology weather climate variables, and their difference. Surface weather station weather forecasting, Greenhouse effect, Physics of Climate change and Climate model

Unit 2

01 Credit (15 hrs)

Applications of Physics

Application in Agriculture, Agro Physics, Agro ecosystem, Soil Physics, Food preservation, Physics behind medical imaging, LASER –Surgery.

Unit 3

01 Credit (15 hrs)

Energy Sources- Importance of Renewable energy ; solar energy, hydro thermal energy, Geothermal Energy, Hydrogen based Fuel , CNG , Energy Harvesting

Shankar
14-06
APd
14.6.23.

Arora
14/6/23

B
14.6.2023