



# GURUGRAM GLOBAL COLLEGE OF PHARMACY GURUGRAM

Approved by AICTE, Govt. Of India & Pharmacy Council of India  
Affiliated to Pt. B D Sharma University of Health Sciences Rohtak  
Affiliated to Haryana Board of Technical Education

## Integration of Cross-Cutting Issues relevant to Environment and Sustainability into the Curriculum

S. no.	Class	Course Code	Course	Description
1.	B. Pharmacy (2 <sup>nd</sup> Sem)	BP206T	Environmental Science	Impart basic knowledge of environment and develop a concern for environment Motivate students to participate in environment protection and environment improvement.



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**Table-II: Course of study for semester II**

Course Code	Name of the course	No. of hours	Tutorial	Credit points
BP201T	Human Anatomy and Physiology II - Theory	3	1	4
BP202T	Pharmaceutical Organic Chemistry I - Theory	3	1	4
BP203T	Biochemistry - Theory	3	1	4
BP204T	Pathophysiology - Theory	3	1	4
BP205T	Computer Applications in Pharmacy - Theory *	3	.	3
BP206T	Environmental sciences - Theory *	3	.	3
BP207P	Human Anatomy and Physiology II - Practical	4	.	2
BP208P	Pharmaceutical Organic Chemistry I- Practical	4	.	2
BP209P	Biochemistry - Practical	4	.	2
BP210P	Computer Applications in Pharmacy - Practical*	2	.	1
<b>Total</b>		<b>32</b>	<b>4</b>	<b>29</b>

\*Non University Examination (NUE)



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## BP 206 T. ENVIRONMENTAL SCIENCES (Theory)

30 hours

**Scope:** Environmental Sciences is the scientific study of the environmental system and the status of its inherent or induced changes on organisms. It includes not only the study of physical and biological characters of the environment but also the social and cultural factors and the impact of man on environment.

**Objectives:** Upon completion of the course the student shall be able to:

1. Create the awareness about environmental problems among learners.
2. Impart basic knowledge about the environment and its allied problems.
3. Develop an attitude of concern for the environment.
4. Motivate learner to participate in environment protection and environment improvement.
5. Acquire skills to help the concerned individuals in identifying and solving environmental problems.
6. Strive to attain harmony with Nature.

### Course content:

<b>Unit-I</b>	<b>10hours</b>
The Multidisciplinary nature of environmental studies	
Natural Resources	
Renewable and non-renewable resources:	
Natural resources and associated problems	
a) Forest resources; b) Water resources; c) Mineral resources; d) Food resources; e) Energy resources; f) Land resources: Role of an individual in conservation of natural resources.	
<b>Unit-II</b>	<b>10hours</b>
Ecosystems	
▪ Concept of an ecosystem.	
▪ Structure and function of an ecosystem.	
▪ Introduction, types, characteristic features, structure and function of the ecosystems: Forest ecosystem; Grassland ecosystem; Desert ecosystem; Aquatic ecosystems (ponds, streams, lakes, rivers, oceans, estuaries)	
<b>Unit- III</b>	<b>10hours</b>
Environmental Pollution; Air pollution; Water pollution; Soil pollution	

