

CONS 211 : Principles of Conservation

3(3-0-6)

Course Description

Problems concerning deterioration of natural resources and environments. Principles and methods of management and conservation of natural resources.

Course Objectives : Students are able to

1. Explain the interrelationship among environment, NR, ecosystem and human beings, categories of NR and principles of NR and environmental conservation.
2. Analyze problems related to environment and NR affecting human livelihood, and seek solutions according to the principles.
3. Apply approaches and processes in Sustainable Natural Resource Management in daily lives, with particular to Forest and Global warming mitigation, then suggest to close circles and further recommend to the public.

Course Contents :

No. of Lecture Hours

1. Definition, Importance and scope of environment, and Interrelationship among environment, natural resources, ecosystem and human beings	3
2. Approaches to conservation of NR and environment, and NR categorization	3
3. In-exhaustible NR and exhaustible NR	3
4. Renewable NR (water resource, forest and wildlife resources, soil-land-agricultural resource, human resource)	6
5. Problems related to man-made environment and exhaustible NR	3
6. Problems related to in-exhaustible NR, Climate Change and energy problems	3
7. Problems related to renewable NR	3
8. Forest resource: Forest types, benefits from forests and factors originating forest	3
9. Forest resource: Forest for conservation and biodiversity	3
10. Wildlife resource: Categories and status of wildlife, approach to conservation and management	3
11. Watershed management: Principles, watershed classification and approach to watershed management	3
12. Participatory NR management for sustainability: Policies and approaches	3
13. Examples of NR management: Community forestry and agroforestry	3
14. Forest and Global Warming mitigation	3
Total	<u>45</u>