

BABASAHEB
BHIMRAO
AMBEDKAR
UNIVERSITY



LUCKNOW
प्रज्ञा सौल फलना
ESTABLISHED 1996

बाबासाहेब भीमराव अम्बेडकर विश्वविद्यालय
विद्या विहार, रायबरेली रोड, लखनऊ-226 025
Babasaheb Bhimrao Ambedkar University
(A Central University)
Vidya Vihar, Raebareli Road, Lucknow-226 025

Letter No.: 871/DES/BBAU/2020

Date: - 18/11/2020

Notice

It is inform to all concerned that the Department of Environmental Science is offering one optional paper under Open Elective Course in M.Sc. Environmental Science Ist semester. Open Elective paper can be opted under Choice Based Credit System (CBCS) being followed in the University by PG students of other Departments of the University and course teacher is Dr. Jiwan Singh for the below course.

Paper code	Paper Name	No. of seats	Class timing	Maximum Marks		credit
				End semester	Sessional	
ESM-107	Fundamentals of Ecology & Environment	46	9:30 a.m. to 10:30 p.m.	70	30	04

Students are informed to send their application duly forwarded through their parent Department along with copy to concerned course teacher on email hoddes2013@gmail.com latest by 25th November, 2020.

Environmental Science is offering one optional paper can be opted under Choice Based Credit System (CBCS) being followed in the University by PG students of other Departments of the University and course teacher is Dr. Jiwan Singh for the below course.

Head, DES

Copy to:-

1. Dean Academic Affairs, BBAU, Lucknow
2. COE, BBAU, Lucknow
3. All Heads & Coordinators, BBAU, Lucknow
4. Dr. Jiwan Singh, DES
5. Notice Board, DES, Lucknow
6. I/C University Website for its uploading on University Website

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Head, DES

Head
Department of Environmental Science
Babasaheb Bhimrao Ambedkar (Central) University
Lucknow-226025, Uttar Pradesh, India

M.Sc. Environmental Science Ist Semester (Session: 2020-21)

Syllabus for Open Elective Paper (CBCS)

ESM-107: Fundamentals of Ecology & Environment

(OP)

Credits: 04

Unit -I: Ecosystem Structure and functions: Structures - Biotic and Abiotic components. Functions - Energy flow in ecosystems, food chains and food webs, inter and intra species interaction in ecosystem.

Unit-II: Biogeochemical cycles (CHNP), soil erosion, Deforestation, soil profile, Types of Ecosystem, Structure of earth.

Unit- III: Population ecology: Characteristics of population, concept of carrying capacity, population growth and regulations. Keystone species. Community ecology: Definition, community concept.

Unit IV- Basics of Air Water, Noise, Pollution, Eutrophication, Solid Waste Management, Global Warming and Climate Change, Current Environment Issues & Challenges.

Environment

Head
Dept. of Environmental Science
B.B. Ambedkar (Central) University
Lucknow-226025, Uttar Pradesh, India

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Community ecology: D