



HAZI A.K.KHAN COLLEGE

ESTD : 2008

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Memo No.:

Date : 31/10/2023

From: Principal

বিজ্ঞপ্তি

এতদ্বারা প্রথম সেমিস্টারের ছাত্র-ছাত্রীদের জানানো যাচ্ছে যে, তোমাদের MDC (multi disciplinary course) হিসাবে" Biodiversity, wildlife Conservation and Ecotourism" পড়ানো হবে। কোর্সটির পাঠ্যসূচী নিম্নে দেয়া হলো।

ZOOL-MDC-1: 9 Modules, 3 Class Hours/week

Semester	Course Name	Course Detail	Credits	Total Award
I	ZOO-MDC-1	Biodiversity, Wildlife Conservation and Ecotourism	3	35+10 (Field Study) = 45

OBJECTIVES OF THE STUDY: The main objective of this syllabus is to acquaint the students about the importance of biodiversity and conservation and the need to promote sustainable ecotourism.

Module 1: Introduction to Biodiversity and Conservation

Biodiversity – definition, types and importance; Biodiversity hotspots – Global and Indian; Megabiodiversity countries; Biodiversity Act, Biopiracy and Bioprospecting; IPR; Convention on Biological Diversity; National Biodiversity Authority; Brief introduction to Conservation: Importance of conservation – *in-situ* and *ex-situ*; Causes of depletion.

Module 2: Evaluation and management of wild life

Habitat analysis: Physical parameters – Topography, soil and water; Biological Parameters – food and cover estimation; Brief idea on remote sensing and GIS in wildlife status estimation.

Module 3: Management of habitats

Setting back succession; Advancing the successional process; Cover construction; Restoration of degraded habitats.

Module 4: Population estimation

Population density, Natalivity, Birth rate, Mortality, fertility schedules and sex ratio computation; Faecal analysis of ungulates and carnivores; Pug marks and census method.

Module 5: Management planning of wild life in protected areas

Estimation of carrying capacity; Eco tourism / wild life tourism in forests.

Module 6: Man and Wildlife

Causes and consequences of human-wildlife conflicts.

Module 8: Protected areas

National parks & sanctuaries. Tiger conservation - Tiger reserves in India; Management challenges in Tiger reserve.

Module 9: Experiencing Wildlife

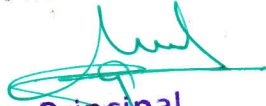
Visiting any National Park/Sanctuary/Reserve Forest/Zoo/Biodiversity Park.

COURSE OUTCOME: Idea of the biodiversity resources of our country.

References and Suggested Texts

1. Caughley, G., and Sinclair, A.R.E. (1994). Wildlife Ecology and Management. Blackwell Science.
2. Woodroffe R., Thirgood, S. and Rabinowitz, A. (2005). People and Wildlife, Conflict or Co-existence? Cambridge University.
3. Bookhout, T.A. (1996). Research and Management Techniques for Wildlife and Habitats, 5 th edition. The Wildlife Society, Allen Press.
4. Sutherland, W.J. (2000). The Conservation Handbook: Research, Management and Policy. Blackwell Sciences
5. Hunter M.L., Gibbs, J.B. and Sterling, E.J. (2008). Problem-Solving in Conservation Biology and Wildlife Management: Exercises for Class, Field, and Laboratory. Blackwell Publishing.

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