



BHARATI VIDYAPEETH
(DEEMED TO BE UNIVERSITY)
INSTITUTE OF ENVIRONMENT EDUCATION AND RESEARCH, PUNE
Faculty of Interdisciplinary Studies

Course Outcomes

M.Sc. (Wildlife Conservation Action)

In collaboration with

Wildlife Trust of India, New Delhi



**BHARATI VIDYAPEETH (DEEMED TO BE) UNIVERSITY,
PUNE**

Course Outcomes

MASTER OF SCIENCE

M.Sc. in Wildlife Conservation Action

(UNDER CHOICE BASED CREDIT SYSTEM)

Effective from the Academic Year 2019-2020

Under

FACULTY OF INTERDISCIPLINARY STUDIES

At the

INSTITUTE OF ENVIRONMENT EDUCATION AND RESEARCH

BHARATI VIDYAPEETH UNIVERSITY, PUNE

In collaboration with

WILDLIFE TRUST OF INDIA, NEW DELHI

This document provides details of the rules and regulations, examination pattern and course details. Students are advised to read it carefully and refer to it from time to time during the course of their study at the Institute of Environment Education and Research, Bharati Vidyapeeth (Deemed to be) University, Pune.

The Bharati Vidyapeeth (Deemed to be) University is a multidisciplinary, multicampus University having 32 institutions imparting quality education in various disciplines. All programs of the University are approved by the University Grants Commission (UGC) and the respective statutory councils. The University has been re-accredited for the third time with an 'A+' grade by the National Assessment and Accreditation Council (NAAC) in 2017. The UGC has accorded the 12B status (UGC Act 1956) to the University. The Ministry of Human Resource Development, Government of India has awarded 'A' category to the University in 2012 based on several parameters that include innovative programs, research and infrastructure facilities. The University has maintained its rank in the top hundred universities of India consistently since 2012 and is presently ranked at 63rd position by the National Institution Ranking Framework (NIRF) by the UGC for the year 2020.

The University is a member of the Association of Indian Universities (AIU) and also the International Association of Universities.

The Institute of Environment Education and Research of the Bharati Vidyapeeth (Deemed to be) University, is a constituent unit of the University established in 1993. The Institute is approved by the UGC to conduct post graduate courses in Environment Science, Geoinformatics and Wildlife Conservation Action as well as Doctoral programs in Environment Science and Geoinformatics. The Institute has excellent infrastructure and competent faculty who are nationally and internationally known. Through its collaborations with several international universities the Institute offers international student and faculty exchange programs as well as international internships.

BHARATI VIDYAPEETH (DEEMED TO BE) UNIVERSITY, PUNE
Faculty Of Interdisciplinary Studies

Course Outcomes of
Master of Wildlife Conservation Action
(Under Credit System)
effective from 2019-2020

INTRODUCTION

The course has a transdisciplinary approach that integrates the science of wildlife conservation with social issues in managing and mitigating wildlife conflict and natural resource management. The course provides in depth knowledge of ecosystem and biodiversity conservation and management along with wildlife rescue and rehabilitation as well as legal instruments for wildlife conservation. It includes the cognitive aspects and technological skills necessary to further a career in the wildlife field. It trains the candidate in skills required for assessment and monitoring of biodiversity as well as wildlife management through a combination of course work, intensive field work and internships. The program also builds skills in conducting research and communicating for wildlife conservation. The course provides multiple exit points. The course is administered by the Faculty of Interdisciplinary Studies.

This course is implemented in close collaboration with the Wildlife Trust of India, a premier organization involved in action based wildlife research and advocacy.

OUTCOMES

At the end of the course, each student will have acquired the following attributes;

1. Disciplinary Knowledge and Interdisciplinarity

Demonstrate disciplinary knowledge from ecological, social, physical, economic, legal fields; Appreciate the ethical, cross cultural and historical context of environmental issues and the links between human and natural systems; Apply systems concepts and methodologies to analyze and understand interactions between social and environmental processes; Demonstrate appropriate and advanced technical skills in investigating, analyzing and synthesizing information, problems, concepts and theories within environment science

2. Quantitative Competence

Understand essential mathematical and statistical approaches used to analyse environmental data; Accurately comprehend and draw appropriate inferences from numeric data, statistical analysis and predictive models; Use state-of-the-art software, hardware and analytical techniques to solve problems in environment science and management.

3. Critical Thinking

Demonstrate the capability to apply analytic thought to a body of knowledge; analyse and

evaluate evidence, arguments, claims and beliefs on the basis of empirical evidence; formulate coherent arguments; critically evaluate practices, policies and theories following the scientific approach to knowledge development.

4. Problem Solving

Identify environmental problems, evaluate problem solving strategies and develop science based solutions; understand the need to integrate relevant social sciences (eg: environmental planning, law, economics) in environmental problem solving; Use acquired knowledge, skills and ingenuity to solve complex problems.

5 . Communication

Clearly communicate complex analyses, interpretations and significance effectively in writing and orally to varied audiences ranging from scientific to policy and the general public; be proficient in contemporary communication tools

6. Multicultural competence

Possess knowledge of the values and beliefs of multiple cultures and a global perspective; capability to effectively engage in a multicultural society and interact respectfully with diverse groups.

7. Moral and ethical awareness/reasoning

Identify ethical issues related to one's work; formulate a position/argument about an ethical issue from multiple perspectives and use ethical practices in their life and career; avoid unethical behavior; adopting objective, unbiased and truthful actions in all aspects of work.

5. Collaboration and Team work

Collaborate in teams with peers and mentors and work with others in diverse group settings, developing flexibility and leadership skills

6. Lifelong learning

Ability to acquire knowledge and skills, including 'learning how to learn' for meeting changing demands of work place.

SCOPE

The course has a rapidly expanding horizon in both national and international level. Government and Non-Governmental organizations such as Wildlife Trust of India, World Wide Fund for Nature, ATREE, WII, IUCN, etc. employ candidates with these qualifications as wildlife researchers as well as wildlife managers. The transdisciplinary foundation prepares the student to pursue a career in a variety of conservation related jobs and produces a broad based scientist. It also provides opportunities for people who are already working in the field to further their career through a formal Diploma course and a Master's program.

ELIGIBILITY FOR ADMISSION TO THE COURSE

- a. The candidate should have obtained the Bachelors degree in any Science subject such as Botany, Zoology, Chemistry, Physics, Statistics, Geography, Geology, Life Sciences, Environment Sciences, Microbiology, Biotechnology, Fisheries, Marine Biology, Horticulture, Agriculture, Computer Science, Data Science, Veterinary Science, Health

Sciences or

- b. any branch of Engineering
- c. any relevant Social Science subjects and Management Studies
- d. The candidate should have secured at least 50% in the aggregate at undergraduate level and 45% for SC /ST / OBC candidates.
- e. If the candidate has a degree in any other subject than the ones mentioned above he/she should have a working experience of minimum of three years in the area of conservation field to be eligible for the Master's program. A work experience certificate from the relevant organization duly signed and stamped by the Head of the Institution must be submitted.

DURATION OF THE COURSE

This program consists of a minimum of 104 credits that may be completed in two years consisting of four semesters. The medium of instruction and examination will be only English.