

PROGRAMME/COURSE OUTCOME
ECOLOGY & ENVIRONMENTAL SCIENCE

TDC 1st semester DSC 1: EESDSC/GEC- 101T

Environment and Society

Environment and society is an innovative combination of natural and social sciences in a new programme structure that focuses on the interaction between human's and their environment. The course will enhance the understanding of the students in the field of natural environment with the social, economic, cultural and health aspects of sustainability. This will make the society uniquely equipped to help develop and implement effective responses to environmental problems.

TDC 2nd semester DSC 2: EESDSC/GEC - 201T

Human-wildlife conflict and Management

Wildlife and the communities that live near it are most directly impacted by human-wildlife conflict while it can also result in the decline and potential eradication of species, communities can experience financial losses and threats to health and safety, livelihoods, food security, and property. Therefore, the society must be made aware of the above circumstances. Thus, Sustainable wildlife management is the key to human wildlife conflict. This entails the effective management of wildlife species to sustain their populations and habitat over time, taking into consideration the socio-economic needs of human populations.

AECC II: EVSAECC-201T

Environmental Studies

Environment studies is all about learning the way we should live and how we can develop sustainable strategies to protect the environment. It helps individuals to develop an understanding of living and physical environment and how to resolve challenging environmental issues affecting nature.

TDC 3rd semester DSC 3: EESDSC/GEC - 301T

Gender and Environment

Gender inequalities, such as weak rights to own land and reduced access to energy, water and sanitation facilities for women, have a negative impact on human health, the environment and sustainable development. Gender equality is important for the achievement of other global goals, including those related to environmental challenges.

TDC 4th semester – DSC 4: EESDSC/GEC - 401T

Green Technologies

By studying green technology will expand the knowledge of students in order to protect the environment, repair damage done to the environment in the past, and conserve the Earth's natural resources. Green technology has also become a burgeoning industry that has attracted enormous amounts of investment capital.

TDC 5th semester – DSE 1: EESDSE-501T

Energy and Environment

Energy and Environmental studies focuses on the generation, storage and efficient utilization of energy and natural resources and the assessment of the interaction between the environment and energy technologies in order to establish clean and renewable energy.

TDC 6th semester- DSE 3: EESDSE- 601T

Natural hazards and Disaster Management

Natural disasters is widespread public awareness and education. People must be made aware of what natural hazards they are likely to face in their own communities. Disaster management helps in removing people and property from a threatened location by timely and effective rescue, relief and rehabilitation at the place of disaster thereby reducing loss of property, protecting people and reducing trauma among people by involving youth in disaster preparedness and recovery efforts.

TDC 3rd semester SEC 1: EESSEC-301T

Bamboo cultivation, utilization and management

Bamboos are economic plants. They helps in reducing soil erosion as well as helps in protecting the earth from potentially harmful chemicals. Bamboo is a naturally resilient and fast-growing crop. It doesn't need any pesticides, herbicides, or fertilizers to protect it or help it thrive.

TDC 4th semester SEC 2: EESSEC-401T

Remote sensing, GIS and Modelling

GIS and remote sensing help generate development models for more accurate monitoring and decision-making. Satellite imaging also helps detect environmental and structural changes in various sites, helping urban planners create safe and sustainable projections.

TDC 5th semester SEC 3: EESSEC-501T

Environmental impact & Risk assessment

EIA provides a cost effective method to eliminate or minimize the adverse impact of developmental projects. EIA enables the decision makers to analyse the effect of developmental activities on the environment well before the developmental project is implemented.

TDC 6th semester SEC 4: EESSEC-601T

Ecosystem analysis and Biodiversity Conservation

The study of ecosystem analysis helps to understand ecosystems and ecosystem processes. The study mainly focuses on certain applied problems as organic matter production, the flow of energy and the cycling of nutrient resources or the influence of management practices on various ecosystem parameters. By conserving wildlife, we're ensuring that future generations can enjoy our natural world and the incredible species that live within it. To help protect wildlife, it's important to understand how species interact within their ecosystems, and how they're affected by environmental and human influences.

NON-CBCS

TDC 3rd semester (EESP - 301):

Ecosystem Analysis

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TDC 4th semester (EESP- 401):

Population and Community Ecology

Population and community ecology seeks to understand the complex dynamics and spatial patterning of populations and of entire assemblages of multiple species across diverse environments and regions.

TDC 5th semester (EESP- 501):

Biodiversity Conservation

Biodiversity conservation protects plant, animal, microbial and genetic resources for food production, agriculture, and ecosystem functions such as fertilizing the soil, recycling nutrients, regulating pests and disease, controlling erosion, and pollinating crops and trees. By conserving wildlife, we're ensuring that future generations can enjoy our natural world and the incredible species that live within it.

TDC 6th semester (EESP - 601):

Environmental Pollution and Management

It provides basic information about the various environmental issues like energy needs, global climate change, toxic emissions, and waste disposal. It provides knowledge about development and utilisation of energy resources and importance of environmental stability in the contemporary culture.

TDC 5th and 6th semester (FCES 501/601):

Environmental studies

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