

Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed on website and communicated to teachers and students

Data Requirement for last five years (Academic years 2012 -2016)

This curriculum in semester first is designed to give a fundamental understanding of the Earth's life-supporting, ecological systems and the threats to those systems. The courses are designed to give students a broader understanding of how science and the scientific method work to address environmental problems. The student understand of earth surface processes and make them familiar with the Earth's major systems (ecosystems and biogeochemical cycles), how they function and how they are affected by human activity (population growth, air, water and soil pollution, ozone depletion, global warming, and solid waste disposal). Students will learn and gain understanding about the interaction of human society (urban sprawl, energy use/generation, resource consumption and economics) with the Earth's systems.

The curriculum in semester second is designed to give a fundamental understanding of pollution and prevention technologies, atmospheric dynamics and global climate systems, environmental microbiology, its advance, role in environmental management and global environmental issues. The students gain an understanding of various environmental pollution and methods and technologies for pollution abatement. They gain broader understanding of climatic patterns and world climatic systems and its impacts. Environmental microbiology imparts basic understanding of microbial ecology, its nature and function in environmental and impacts in human health. Analytical techniques designed to give a grass root understanding of scientific methods for quantification and analysis of various environmental contaminants.

The curriculum in semester third is designed to give a fundamental understanding of earth's natural resources and assessment of impact on natural system, governance and laws for the conservation and management of our natural system, geospatial technologies for environmental conservation and management. The semester also includes ecological tour to diverse ecosystems. The students gain a thorough understanding of mineral, water, Bio and energy

resources. Also imparts them the concept, approaches and process of Environmental impact assessment, Laws and governance for environmental protection and safeguard. Geospatial approaches and technologies for conservation and management of environment. The field work in form of ecological tour gives students opportunity to learn and gain a thorough understanding of diverse ecosystems.

The curriculum in semester fourth is designed to give students the understanding of basics of environmental engineering designing of drainage systems water and waste water treatment and management of solid and hazardous wastes. The students will also get knowledge about various strategies and tools for conservation and management of natural resources and biodiversity. The students will also specialize in the field of aquatic and terrestrial ecology. The students will also develop skills for environmental planning and ecological restoration. The students will also complete project work for six months related to basic environmental problems.

Attainment of program outcomes, program specific outcomes and course outcomes are evaluated by the institution

The overall mechanism of evaluating the attainment of programme objectives of Environmental Science through various examination like internal, external, practical, Formative and summative assessment/ viva voce, field tours, ecological tours/Grade system. The evaluation of the outcomes of the programmes and courses within the programme is to improve the quality and effectiveness of academic programme that provides an opportunity for faculty and policy makers to obtain insights regarding the level of excellence of the programs. As academic programme proceeds with its planning process, information is needed about the strengths and weaknesses of programs and it is expected that specific recommendations aimed at maintaining or enhancing the quality of programs will be an outcome of this evaluation process. In rare cases, as a result of the evaluation process, it may be determined that an existing degree program

or a course within programme is no longer viable. In such a situation, once consensus is reached and recommendation forwarded, strategies are employed to restructure or discontinue the program.