Curriculum

The curriculum is designed to impart both theoretical and practical knowledge in related disciplines of Environmental Science and Natural Resources. The teaching program emphasizes on students' active participation and involvement in learning.

Thesis

Students must complete their thesis in topics related to Natural Resources.

Year I Semester I		**Year II Semester I**	
Subjects	Cr	Subjects	Cr
Natural Resource Conservation	3	Environmental Measurement and Laboratory Analytical Techniques	3
Environmental Planning and Management	3	Environmental Impact and Risk Assessment	3
Environment and Resource Economics	3	Independent Case Studies	1
Human Dimensions of Environment	3	Research Seminars, Workshops and Internship	1
Biodiversity and Protected Area Management	3	Elective*	3
Environmental Pollution and Monitoring	3		
Year I Semester II		**Year II Semester II**	
GIS and Remote Sensing Techniques	3	Thesis	15
Research Methodology	3	**Total Credits**	**58**
Statistical Applications	2		
Elective*	3		
Elective*	3		

Some Elective Courses: Ecotoxicology and Ecosystem Health, Climate Change Adaptation & Mitigation, Advances in Aquatic Ecology, Disaster Risk & Vulnerability Assessment, Pollution Control Technologies, Land and Soil Evaluation, Mountain eco-hydrology

For Further Information

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Kathmandu University

Quality Education for Leadership

M. Sc. in Environmental Science

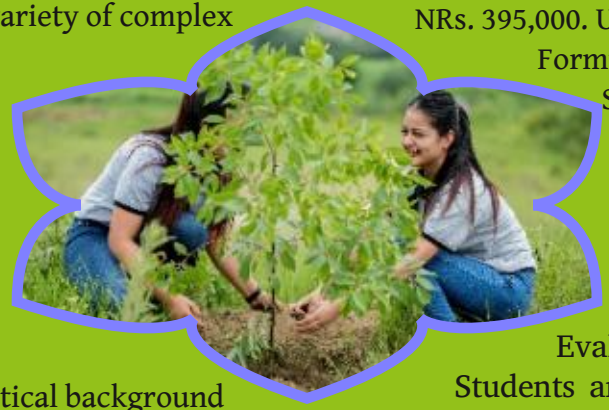
Specialization in Natural Resources

Department of Environmental Science and Engineering
School of Science
Kathmandu University
Website: http://ese.ku.edu.np

2021

Introduction

Kathmandu University (KU) was established in November 1991 as an autonomous, not-for-profit, non-governmental public institution dedicated to maintaining high standards of academic excellence. The Department of Environmental Science and Engineering (DESE) is a pioneer department of the School of Science, Kathmandu University which started few programs first in Nepal. As such graduate studies program in Environmental Science and Natural Resources (M. Sc. ENR) was started in 2000. This program has been renamed as M. Sc. in Environmental Science with Specialization in Natural Resources (M.Sc. ES-NR). This program was conceived in response to the growing societal need for professionals in the field of environment, capable of dealing with the wide variety of complex and interrelated issues at institutional, industrial and community levels. It emphasizes both scientific competency as well as applied skills like planning, management, policy analysis and information technology for re-designing the environment for sustained enhancement of its quality. The department has produced 169 Master-level, 5 M. Phil. and 29 Ph. D. graduates till 2020.



Our Mission

- Produce professionals with sound theoretical and practical background in environmental processes, problems and issues through an integrated systems approach.
- Develop personnel with specialized knowledge and skills in development, applied research and impact assessment, pollution monitoring and control and natural resource management.

Career Opportunities

The rigorous practical and project-based trainings prepare students for different sectors and organizations:

- Government organizations
- NGOs/INGOs
- Projects and development agencies
- Environmental consultancies
- Solid waste management
- Academic institutions, research centers and industries

Application Requirements

Candidates with four-year Bachelor's degree in Environmental Science or equivalent degree with minimum CGPA of 2.0 or 50% in aggregate are eligible for admission. Students having four-year education in any science stream, such as Geography, Geology, Agriculture or Forestry after intermediate/+2, or B.E. Civil /Mechanical are also eligible.

Tuition Fee and Scholarship

Total cost of the two-year M.Sc. in Environmental Science program is NRs. 395,000. University Grants Commission (UGC), Nepal provides Formula Based Funding Scholarship to several deserving M. Sc. students. The department also provides Silver Jubilee Graduate Assistantship to needy and deserving M. Sc. students. Need and merit based partial tuition fee waiver scholarships are also available as per KU provisions.

Evaluation Scheme

Evaluation is based on continuous assessment. Students are evaluated through class participation, assignments, practical and projects works, term papers, in-semester and end-semester examinations and thesis defense. At the end of semester, for each course, student will be evaluated on a 4-point scale indicated by letter grades. To complete M. Sc. degree, students are required to maintain a minimum of 3.0 Cumulative Grade Point Average (CGPA).

Grade	A	A-	B+	B	B-	C+	C	F
Grade Point	4	3.7	3.3	3	2.7	2.3	2	0