**POKHARA UNIVERSITY**

**Masters of Science in Environmental Science and Management Program**

**Curricular Structure (Revised, 2019)**

The program is designed to offer a unique opportunity to acquire highly skillful knowledge and practical tools on multi-disciplinary subjects related to environmental management. The course provides fundamental basis for understanding and application of social, physical, biological, legal and economical components of the environment and their holistic integration to provide a comprehensive working knowledge on the environmental management. The program focuses on developing social, environmental and developmental outlook and adequate skill in analysis, decision-making, implementation, leadership, and communication among the students. It is aimed at producing high quality professionals- environmental managers, researchers, counselors etc.

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| **Semester I** | | |
| **Course Code** | **Course Description** | **Credit Hours** |
| ENV 501 | Biophysical and Forest Environment | 3 |
| ENV 502 | Environmental Engineering | 3 |
| ENV 503 | Environmental Science Practical (Air, Water, Soil and Vegetation) | 3 |
| MGT 501 | Environmental Governance, Policy and Legislations | 3 |
| SOC501 | Sociology and Cultural Environment | 3 |
| STT 510 | Statistics | **15** |
| **Semester II** | | |
| **Course Code** | **Course Description** | **Credit Hours** |
| ECO511 | Environmental Economics | 3 |
| ENV511 | Environmental Assessment (IEE, EIA, SIA, SEA) | 3 |
| ENV512 | Environmental Management System (LCA, RA, CP, QMS) | 3 |
| ENV517 | Wildlife Conservation | 3 |
| ENV514 | GIS Application and Remote Sensing | 3 |
| ENV515 | Environmental Science Field Work, Case Study, Term Paper | 2 |
| MGT512 | Strategic Planning, Conflict Management and Consensus Building | 2 |
| **Semester III** | | |
| **Course Code** | **Course Description** | **Credit Hours** |
| ENV621 | Urban Environmental Management | 3 |
| ENV622 | Climate Change | 3 |
| ENV623 | Watershed Management | 2 |
| ENV624 | Environmental Science Field Work, Case Study / Term Paper | 2 |
| MGT621 | Multi-criteria Decision Analysis | 2 |
| RCH621 | Research Methodology | 3 |
| **Semester IV** | | |
| **Course Code** | **Course Description** | **Credit Hours** |
| ENV691 | Thesis | 9 |
|  | Elective Course | 3 |