

Module Title: Environmental Management in Hospitality**Module Code: B1193****Level: BAICA – 2nd Semester...Lesson Plan**

S. No.	Unit	Topic/Activities
1	Multidisciplinary Nature of Environmental Science	<ol style="list-style-type: none">1. Introduction2. Objective3. Overview4. Definition5. Scope and Importance6. Need for Public Awareness
2	Natural Resources	<ol style="list-style-type: none">1. Introduction2. Objective3. Overview4. Renewable and Non-Renewable Resources: Natural Resources and Associated Problems5. Forest Resources: Use and Over-Exploitation, Deforestation,6. Timber Extraction, Mining, Dams and their Effects on Forest and Tribal People7. Water Resources: Use and Over-Utilization of Surface and Ground Water, Floods, Drought, Conflicts over Water, Dams-benefits and Problems8. Mineral Resources: Use and Exploitation, Environmental Effects of Extracting and Using Mineral Resources9. Food Resources: World Food Problems, Changes Caused by Agriculture and Overgrazing, Effects of Modern Agriculture, Fertilizer-Pesticide Problems, Water Logging, Salinity10. Energy Resources: Growing Energy Needs, Renewable and Non-Renewable Energy Sources, Use of Alternate Energy Sources11. Land Resources: Land as a Resource, Land Degradation, Man Induced Landslides, Soil Erosion and Desertification12. Role of an Individual in Conservation of Natural Resources13. Equitable Use of Resources for Sustainable Lifestyles
3	Ecosystems	<ol style="list-style-type: none">1. Introduction2. Objective3. Overview4. Concept of an Ecosystem5. Structure and Function of an Ecosystem6. Producers

		<ol style="list-style-type: none"> 7. Consumers and Decomposers 8. Energy Flow in the Ecosystem 9. Ecological Succession 10. Food Chains 11. Food Webs and Ecological Pyramids 12. Introduction, Types, Characteristic Features, Structure and Function of the following Ecosystem: (a) Forest Ecosystem (b) Grassland Ecosystem (c) Desert Ecosystem (d) Aquatic Ecosystems (Ponds, Streams, Lakes, Rivers, Oceans and Estuaries)
4	Biodiversity and its Conservation	<ol style="list-style-type: none"> 1. Introduction 2. Objective 3. Definition: Genetic, Species and Ecosystem Diversity 4. Bio Geographical Classification 5. Value of Biodiversity: Consumptive Use, Productive Use, Social, Ethical, Aesthetic and Option Values 6. Biodiversity at Global, National and Local Levels 7. Hot Spots of Biodiversity 8. Threats to Biodiversity: Habitat Loss, Poaching of Wildlife, Man-Wildlife Conflicts 9. Endangered and Endemic Species 10. Conservation of Biodiversity: In-Situ and Ex-Situ Conservation of Biodiversity
5	Environmental Pollution	<ol style="list-style-type: none"> 1. Introduction 2. Objective 3. Definition 4. Cause 5. Effects and Control Measures of: (a) Air Pollution (b) Water Pollution (c) Soil Pollution (d) Marine Pollution (e) Noise Pollution (f) Thermal Pollution (g) Nuclear Hazards 7. Solid Waste Management: Causes, Effects and Control Measures of Urban and Industrial Wastes 8. Role of an Individual in Prevention of Pollution 9. Pollution Case Studies 10. Disaster Management: Floods, Earthquake, Cyclone and Landslides
6	Social Issues and the Environment	<ol style="list-style-type: none"> 1. Introduction 2. Objective 3. From Unsustainable to Sustainable Development

		<ol style="list-style-type: none"> 4. Urban Problems Related to Energy: Water Conservation, Rainwater Harvesting, Watershed Management, Resettlement and Rehabilitation of People 5. Its Problems and Concerns 6. Urban Problems: Case Studies 7. Environmental Ethics: Issues and Possible Solutions. Climate Change, Global Warming, Acid Rain, Ozone Layer Depletion, Nuclear Accidents and Holocaust 8. Environmental Ethics: Case Studies 9. Wasteland Reclamation 10. Consumerism and Waste Products 11. Environment Protection Act of Nepal 12. Air (Prevention and Control of Pollution) Act of Nepal 13. Water (Prevention and control of Pollution) Act of Nepal 14. Wildlife Protection Act of Nepal 15. Forest Conservation Act of Nepal 16. Issues Involved in Enforcement of Environmental Legislation 17. Public Awareness
7	Human Population and the Environment	<ol style="list-style-type: none"> 1. Introduction 2. Objective 3. Population Growth 4. Variation among Nations 5. Population Explosion – Family Welfare Programme 6. Environment and Human Health 7. Human Rights 8. Value Education 9. HIV/AIDS 10. Women and Child Welfare 11. Role of Information Technology in Environment and Human Health