

Title- Sustainable Environmental Management

Course Coordinator- Dr. Tapasya Tomer and Ms. Sana Rehman

No. of students-31

Syllabus

Unit 1: **5 hours**

Fundamentals of Environmental Sciences

Introduction to environment and its components, Scope and importance, Need for public awareness

Environmental Management and Sustainability

What is Sustainable Development and management, Parameters of Sustainable Development, Approaches to the Study of Sustainable Development: Issues and Challenges

Unit 2: **10 hours**

Environmental Pollution Control and Waste Management

Air Pollution: Effects and Control, Water Pollution: Effects and Control, Land and Soil Pollution: Effects and Control, Noise Pollution: Effects and Control, Radioactive Pollution: Fallouts and Effects, Solid Waste, Solid Waste Management, Case Studies

Unit 3: **7 hours**

Analytical and Instrumental Techniques for Environmental Monitoring

Instrumental Techniques for Environmental Management

Effect of Business Trade and Urbanisation on Environment

Impact of Industrialisation and Urbanisation On Environment: Global and Local

Unit 4: **8 hours**

Environmental Laws

Introduction to the legal aspects, Laws pertaining to Environmental Pollution

Environmental Health and Burning Issues

Climate Change, Global warming, Ozone Layer Depletion, Issues and Possible Solutions
Composting / Tree Census/ Air Quality Monitoring