

ECOLOGY AND WASTE MANAGEMENT

Course Content

- Introduction to environment, effects of human activities on environment, need for public awareness- Health Risk & Vulnerability of humans due to environmental Degradation.
- Introduction to waste management: Environmental issues – ways of environmental pollution-need of waste management, ways of dealing with municipal solid waste-sanitary land fill- recycling of plastic
- Liquid waste management, hazardous and toxic waste, Municipal waste handling in Indian cities and towns- Bio medical and chemical waste- Nuclear and E waste.
- Disposal of solid waste and management: 3R system, new technologies in 3R, ways of minimizing wastages, home-city-country-organic waste management and waste prevention, climate change and adaptation.

Reference:

1. Ecology and Environment by P.D. Sharma
2. Waste Management and Sustainable Development by Sunil Kumar
3. Ecology and Environment: Theory and Applications by Abhijit Mitra
4. Waste Management Practices: Municipal, Hazardous, and Industrial by John Pichtel

