



**MANGALORE UNIVERSITY**  
**DEPARTMENT OF BIOSCIENCES**  
**M.Sc. ENVIRONMENTAL SCIENCE**

**ESE462 ENVIRONMENTAL EDUCATION AND LEGISLATIONS**

**Course Outcomes:**

CO1 Educate and give awareness to the public about the current environmental issues.

CO2 Discuss the major environmental legislations in India.

CO3 Understand environmental problems.

**UNIT I (13 hours)**

Introduction to environment, components of environment – biosphere, atmosphere, lithosphere, hydrosphere; biotic and abiotic components; environmental problems including acid rain, ozone hole, global warming, deforestation; significance of environmental education and legislations.

**UNIT II (13 hours)**

Environmental Education: Definition, goals, objectives, principles; environmental education programmes; formal (primary and secondary school level and tertiary level) and non-formal environmental education; environmental education for professional groups. Environmental education in India – Status and policy of environmental education – Action Plan. Environmental Institutions and NGOs.

**UNIT III (13 hours)**

Environmental Legislations: Water Act -1974, Air Act - 1981, Environment (Protection) Act – 1986, Cess Act – 1977, Role of Parliament, State legislatures, Government departments including Pollution Control Boards in environmental protection. Environmental Protection Agencies/Organisations.

Legislation for protection of forest and wildlife in India, Indian Forest Act – 1927, Forest Conservation Act – 1980, Biodiversity Acts, Wildlife Protection Acts, Coastal Regulatory Zone (CRZ), Conservation Projects.

**References**

1. Agrawal, K.C., 2001. Fundamentals of Environmental Biology, Nidhi Publishers, Bikaner, India.
2. Pandey, G.N., 1998. Environmental Science and Technology, Annual Publication, New Delhi.
3. Asthana, D.K. and Meera Asthana, A text book of Environmental Studies, S. Chand & Co. Ltd., New Delhi.
4. Sharma, P.D., 2012. Ecology and Environment, Rastogi Publications, Meerut.