



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.