MANGALORE UNIVERSITY

Department of Biosciences

MSc Environmental Science

ESE462 ENVIRONMENTAL EDUCATION AND AWARENESS

Course Outcomes:

CO1 Educate and give awareness to the public about the current environmental issues.
CO2 Discuss the major environmental movements in India.
CO3 Understand international agreements on climate change.
CO4 Learn different public awareness programmes.

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.

UNIT II (13 hours)

Environmental Education: Definition, goals, objectives, principles; environmental education programmes – PAP (Public Awareness Programme), strategies for environmental education - authorization, curriculum manual teaching methods and evaluations of environmental education. formal and non-formal environmental education, Status and policy of environmental education – Action Plan. Environmental Institutions and NGOs.

UNIT III (13 hours)

Environmental movements: Global and National environmental movements. Major environmental movements in India - Chipko, Silent Valley movement, Appiko movement, Narmada BachaoAndolana, Tehri dam conflict. Environmental conferences – importance, goals and achievement. International agreements –, United Nations conventions on climate change, earth summit, Copenhagen summit.

References:

1. Agrawal, K.C. Fundamentals of Environmental Biology, Nidhi Publishers, Bikaner, India(2001)
2. Asthana, D.K. and Meera Asthana, A text book of Environmental Studies, S. Chand & Co. Ltd., New Delhi (2006)
3. Behera, Basic Environmental Education, Super Book Service, Bangalore.
4. Centre for Environment Education. Essential Learnings in Environmental Education, A Handbook of Environmental Concepts.(1991)
5. Deshbandu et.al., Environmental Education for Sustainable Development, India Environmental Society, New Delhi (1995)

6. Kumar, Environmental Awareness, Jain Books & Periodicals, New Delhi (2008)
7. Mohanka, R., Environmental Education, Vol. 1 & 2, Agro-Sciences Centre, New Delhi.
8. Nanda A.N., Environmental Education, (1996).
9. Pandey, G.N. Environmental Science and Technology, Annual Publication, New Delhi (1998)
10. Sharma, P.D. Ecology and Environment, Rastogi Publications, Meerut(2012)
11. UNESCO. Environmental Education Series.