

SSW 5003 : ENVIRONMENTAL CONSERVATION AND SUSTAINABLE DEVELOPMENT

- Course Objectives**
- Understand the need for conservation of environment
 - Learn the concept of sustainable development
 - Learn the laws, policies and programmes related to environment conservation and sustainable development
 - Develop a critical view point regarding global climate change and act towards environmental conservation

Course Outline

Unit I Environment conservation and sustainable development

Basic concept of environment, ecology, conservation, natural resources: exhaustible and non exhaustible resources and their conservation
Sustainable development: concept, components, strategies and principles of sustainable development

Unit II Problems in environmental conservation

Pollution – Air, Water and Soil; global warming, natural resource depletion, climate change, de-forestation, loss of bio-diversity, waste disposal, public health concerns
Concept of environmental education, target groups
Need and importance of environmental conservation education
People participation in environmental conservation and environmental sustainable development

Unit III Laws and Policies

Sustainable development policies in India – National Environment Policy – 2006, Integrated Energy policy - 2006, Municipal Solid Waste Management Rules – 2000
Role of local self government in sustainable development
Laws to protect and promote environment – Environment Protection Act – 1986, Biological Diversity Act - 2002

Unit IV National Mechanisms to protect environment

State and Central Environment Ministries
Pollution control boards
Environmental summits, Engagement of voluntary agencies in environment promotion
Government programmes for environmental protection
Environmental movements, Role of Social worker

Unit V Global Effort for Sustainable Development

Global Warming and Climate Change and its effects on the environment and people
International protocols – UN framework convention on climate change, Agenda and Action plan for sustainable development
Challenges for sustainable development, Role of International Bodies and INGO's

- Course**
- The earners will be able to develop ecofriendly practices.

- Outcome**
- The learners will be able to impart environment conservation education to the various sections of the society.
 - The learner will act as responsible citizen in related to environment conservation
 - Learner will contribute positively in related to environment protection and climate change

References

1. Chambers, R. (1987): Sustainable livelihoods, environment and development: Putting poor rural people first, Institute of Development Studies Discussion Paper, Sussex: IDS.
2. Dogra B (1980) Forests and People
3. Fisher, W.F (1997). Towards Sustainable Development (Struggling over India's Narmada River), New Delhi: Rawat Publications.
4. Gadgil Madhav, Ecology, Penguin Books, New Delhi.
5. Gadgil, Madhav and Ramchandra Guha (1994) This fissured Land: An ecological History of India, Delhi, OUP
6. Gadgil, Madhav and Ramchandra Guha, Ecology and Equity; the use and Abuse
7. Krishna, Sumi, (1996) Environmental Politics: People's lives and Developmental Choices, Delhi, Sage Publications
8. Miller, Jr. Tyler, G and Armstrong (1982) Living in the Environment, California: Wordsworth International Group
9. Mrs Maria and Shiva Vandana (1993) Eco-feminism, Delhi.
10. Owen, D.F. (1980) What is Ecology, Oxford University Press Oxford
11. Paranjape Vijay, Samaj Parvartana Samudaya Dharwad (1996) Save Nilgiris Campaign, Ooty, Econet, Pune
12. Rao, K. S. (2000) Sustainable Development, New Delhi: Oxford University Press.
13. Ryding, S.O. (1992) Environmental Management Handbook, Ahmedabad: IOS Press.
14. Sapru, R.K (ed.) (1987) Environment Management in India, Vol. II, New Delhi: Ashish Publishing House
15. Satapathy, N. (1998) Sustainable Development (An Alternative Paradigm), Ahmedabad: Karnavati Publications.
16. Sharma B.D. Whither Tribal Areas? Sahayog Pustak Kutir, New Delhi
17. Sharma, P.D. (1995) Ecology and Environment, New Delhi: Rastogi Publisher.
17. Bhatia, S. C. (2008). *Ecology and sustainable development*. New Delhi: Atlantic & Distributors.
18. Cain, M. L., Bowman, W. D., & Hacker, S. D. (2011). *Ecology*. Sunderland, MA: Sinauer Associates.
19. Dasmann, R. F. (2011). *Environmental conservation*. New York: Wiley.
20. Hodkinson, T. R. (2011). *Climate change, ecology and systematics*. New York: Cambridge University Press.
21. JANE, R. (2011). *Environmental policy*. London: Routledge.
22. Mélières, M., & Maréchal, C. (2015). *Climate change: Past, present, and future*. Chichester, West Sussex, UK: John Wiley & Sons.
23. Murty, M. N. (2009). *Environment, sustainable development, and well-being: Valuation, taxes, and incentives*. New Delhi: Oxford University Press.
24. Narayanan, P. (2007). *Environmental pollution: Principles, analysis and control*. New Delhi: CBS & Distributors PVT.
25. Singh, M. P. (2011). *Global warming and forest*. Delhi: Daya Pub. House.