

COURSE TITLE:

# NATURE CONSERVATION AND ENVIRONMENTAL PROTECTION

COURSE DESCRIPTION:

1. What is conservation biology?
2. Biodiversity: concept, definition, measurement and global distribution
3. Valuing biodiversity: ecological economics, ethical considerations
4. Extinction and vulnerability to extinction
5. Habitat destruction, fragmentation, degradation and over-exploitation of populations
6. The problem of invasive non-indigenous species
7. Problems of small populations, applied population biology
8. Establishing new populations and ex situ conservation
9. Designing and establishing protected areas
10. Managing protected areas
11. The role of not protected areas in biodiversity conservation
12. Habitat restoration and ecosystem management
13. Economic and legal tools for biodiversity conservation at the local and national levels
14. Nature conservation initiative in the European Union
15. International agreements to protect species and habitats

LITERATURE:

- Primack, R.B. (2014) *Essentials of Conservation Biology* (6th ed.). Sinauer Associates, Inc. Publishers, Sunderland, MA, 603 p., ISBN: 978-1-60535-289-3
- Sutherland, W.J. (2000) *The Conservation Handbook: Research, Management and Policy*. Blackwell Science, Oxford, 296 p., ISBN: 978-0-632-05344-5
- Sodhi, N. D. & Ehrlich, P. R. (eds.) 2010. *Conservation Biology for All*. Oxford University Press, Oxford, 360 p., ISBN: 9780199554249

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