Study Programme : Msc. in Ecology

Degree level: Master degree

Course Title: Endangered Invertebrate and their Conservation

Professor: dr Snežana Radenković

Required/Elective Course: Elective

Number of ECTS: 6

Prerequisites: -

Course Objective: A quarter of all insect species and many other invertebrates are heading towards extinction over the next few decades. The aim of this course is to make students familiar with main threats and to get general knowledge about methods and techniques of effective conservation strategies.

Course Outcome:

Active participation in scientific teams for conservation strategies which create practical conservation for particular groups and regions in order to protect their habitats and biodiversity.

Course Content:

Theoretical part Importance of invertebrates in ecosystems. Invertebrates as bioindicators. The threats to invertebrates. Invertebrate conservation and agricultural ecosystems. The ecological methods used to survey invertebrate animals in terrestrial (especially forest habitats), freshwater and marine environments. Environmental management in conservation strategy of invertebrate animals.

Practical part Methodologies for monitoring and evaluating status of target groups for conservation studies (Porifera, Cnidaria, Plathelminthes, Mollusca, Annelida, Arthropoda, Echinodermata). Case studies in practical conservation of invertebrate animals.

Reading List:

1. Samways M. J. McGeoch M. A. New T. R. (2010): Insect Conservation: A Handbook of Approaches and Methods (Techniques in Ecology and Conservation). Oxford University Press.
2. New T. R. (1995): An Introduction to Invertebrate Conservation Biology. Oxford University Press.
3. New T. R. (1998): Invertebrate Surveys for Conservation. Cambridge University Press.

Total hours:				
Lectures: 2	Practicals: 2	Other:	Student research work:	

Methods of instruction:

Video presentation, different methods and techniques in practical conservation of target species and habitats.

Assessment (maximum number of points 100)

Requirements	**points**	**Final exam**	**points**
Active participation in lectures		Practical exam	70
Active participation in practicals		Oral exam	
Test(s) or			
Pre-exam testing	30		

Remark: