

Study Programme : BSc in Ecology			
Degree level: Bachelor degree			
Course Title: Animal Population Ecology			
Professor: dr Olivera Bjelić-Čabrilo			
Required/Elective Course: Elective Course			
Number of ECTS: 5			
Prerequisites: Animal Ecology passed			
Course Objective: Introduction to formal and functional elements of population structure, organic species, that as a whole interact with the environment and respond to ecological factors.			
Course Outcome: Students are to acquire knowledge on terms and methods used in population research on various animal organisms.			
Course Content:			
<i>Theoretical part</i>			
Theoretical part will introduce students to population research problems on changing aspects, dependant and independent of the population density, age structure and interspecies interactions.			
<i>Practical part</i>			
Practical part will introduce students to mathematical models and methods used in population research.			
Reading List:			
1. Graeme, C. (1975): Analysis of Vertebrate Populations. John Wiley & sons. Toronto.			
2. Dempster, J. P. (1975): Animal Population Ecology. Institute of Terrestrial Ecology, Monks Wood Experimental Station, Abbots Ripton, Huntingdon. Academic Press, London, New York, San Francisco			
3. Poole, W.R. (1974): An Introduction to Quantitative Ecology. Tosho printing co. LTD, Tokio, Japan.			
4. Rockwood, L.L. (2006): Introduction to Population Ecology. Blackwell Publishing.			
5. Southwood, T.R.E. (1980): Ecological Methods. Chapman and Hall. London and New York.			
Total hours:			
Lectures: 2	Practicals: 2	Other:	Student research work:
Methods of instruction:			
Audio-visual lectures, theoretical and mathematical exercises			
Assessment (maximum number of points 100)			
Requirements	points	Final exam	points
Active participation in lectures	5	Practical exam	20
Active participation in practicals	5	Oral exam	50
Test(s) or	20		
Pre-exam testing			