Study Programme : Bsc in Biology

Degree level: Bachelor degree

Course Title: Field course I

Professor: dr Ružica Igić

Required/Elective Course: Required

Number of ECTS: 4

Prerequisites: -

Course Objective: This course is an introduction to field techniques applicable to biological studies. Emphasized will be on field project design and implementation. Students will create entomological and botanical collections.

Course Outcome: Students will learn practical aspects of sampling techniques, sample processing, data collection and analysis and expected to become able to independently perform field trips in various biological disciplines.

Course Content:

Practical part

Main characteristics of the terrain, its geomorphology and pedology. Characteristics of the different habitat types on Kopaonik mountain.

Collecting, processing and conservation of plant material typical for different habitat types, with accent on the basic groups in plant systematics and ecological types. Field work in forest and medow ecosystem types under the different level of antropogenic influence.

Collecting and laboratory processing of field samples (sort, mount and label) of invertebral fauna typical representatives with an emphasis on clssis Insecta.

Collecting and become familiar with representatives of tetrapod vertebrates: Amphibia (Caudata, Anura), Reptilia (Sauria, Serpentes), Mammalia (Insectivora, Rodentia). Learning about classis Aves using mounted taxiderm speciments, nests, eggs, saunds and by observing in field.

Reading List:

1. Authorized scripts and school teaching collections
2. Chinery, M. (1994): Insekten Mitteleuropas, 3rd ed. Parey, Hamburg und Berlin.
3. Boţa, P., Veljić, M., Marin, P., Anačkov, G., Janaćković, P. (2004): Praktikum za determinaciju viših biljaka. Old Komerc, Novi Sad.
3. Brajković, M., Tomanović, Ţ. (2000): Entomološki praktikum. Metode sakupljanja i preparovanja insekata. Biološki fakultet Univerziteta u Beograd.
4. Nikolić, T. (1996): Hebarijski priručnik. Školska knjiga, Zagreb.

Total hours:				
Lectures:	Practicals:	Other: 3	Student research work:	

Methods of instruction:

Field trip I is implemented during 10 days of field work. Collecting and processing of field samples, identification and creating collections.

Assessment (maximum number of points 100)

Requirements	**points**	**Final exam**	**points**
		Oral exam and collection - entomology	25
		Oral exam - tertarpod diversety	25
		Field oral exam - botany	25
		Herbar exam - vascular plants	25