Study programme: BSc in Biology

Level: bachelor degree

Course title: Fieldwork 2

Lecturer: Ivo Karaman, Barsi Laszlo

Status: obligatory

ECTS: 2

Requirements: Colloquia Fieldwork 1

Learning objectives

Introduction to fieldwork practice and organization, sample collecting, labeling and organizing of botanical, marine algal and marine invertebrate collections.

Learning outcomes

Qualifying student to perform fieldwork in different biological disciplines.

Syllabus

Practical instruction

General introduction to the physical, geomorphological and pedological characteristics of Mediterranean region. Different types of Mediterranean habitats. Degrees of degradation of the Mediterranean evergreen vegetation. Supralittoral vegetation.

Collecting and handling of plant material from selected habitats with accentuation on particular plant groups and ecological types. Fieldwork in all vegetation types present: Mediterranean evergreen and mixed deciduous forests, Maquis, Garrigue, rocky habitats, olive yards, ruderal Mediterranean vegetation, coastal sand vegetation.

General characteristics of marine environment, horizontal and vertical stratification. Adriatic sea, basic characteristics.

Littoral algal communities, collecting, fixing and processing algal samples and collection organizing.

Introduction to characteristic littoral invertebrates of the Adriatic sea and collecting of Arthropoda (Crustacea), Mollusca и Echinodermata species. Basic knowledge about the invertebrate communities of supralittoral, mediolittoral and infralittoral.

Literature

1. Authorized script and zoological collections.
2. Boža, P., Veljić, M., Marin, P., Anačkov, G., Janaćković, P. (2004): Praktikum za determinaciju viših biljaka. Old Komerc, Novi Sad.
3. Fish, J. D., Fish, S. (2001): A Student's Guide to the Seashore. Cambridge Unиersity press, Cambridge.
4. Milišić, N. (1991): Školjke i puževi Jadrana. Logos.
5. Milišić, N. (2000): Glavonošci. Divna i čudesna morska bića. Knjigotisak.
6. Nikolić, T. (1996): Hebarijski priručnik. Školska knjiga, Zagreb.
7. Požar-Domac, A. (1988): O biologiji mora. Mala ekološka biblioteka, Hrvatsko ekološko društvo.
8. Riedl, R. (1963): Fauna und flora der Adria. Verlag Paul Parey.

Weekly teaching load				Other:
Lectures:	Exercises:	Other forms of teaching: 4	Student research:	

Teaching methodology Block teaching. Fieldwork and work with collections, preparations, identification and collections making.

Grading method (maximal number of points 100)

Pre-exam obligations	**points**	**Final exam**	**points**
		Marine zoology written exam	23
		Zoological collection colloquia	23
		Field colloquia in botany	23
		Herbarium colloquia -Plants	23
		Herbarium colloquia - Algae	8