Study Programme : BSc in Biology

Degree level: Bachelor degree

Course Title: Practicum in biochemistry and animal physiology

Professor: dr Gordana Grubor-Lajšić, dr Radmila Kovacević

Elective Course

Number of ECTS: 5

Prerequisites: -

Course Objective:
The aim of this course is to train students for laboratory work in the field of biochemistry and animal physiology.

Course Outcome:
After this course students should be able to perform wide range of laboratory analyses as well as to apply gained practical skills in their future studies and research.

Course Content:

Theoretical part – there is no lectures

Practical part

Introuction to laboratory organisation and safety precautions. Experimental design. Preparation of solutions and buffers. Sample preparation and analyses – haematological, immunological and hormonal. The use of specific apparatus (analytical balance, pH meter, centrifuge, spectrophotometres, photometer, microscoping). Analyses of obtained results.

Reading List:
D.M. Bollag, M.D. Rozycki, S.J. Edelstein (1996) *Protein Methods.* Wiley-Liss, New York
S.K. Sawhney, R. Singh (Editors) (2000) *Introductory Practical Biochemistry*. Narosa Publishing House, New Delhi

Total hours:				
Lectures: 0	Practicals:	Other: 4	Student research work:	

Methods of instruction:

Assessment (maximum number of points 100)

Requirements	**points**	**Final exam**	**points**
Active participation in lectures	0	Practical exam	40
Active participation in practicals	30	Oral exam	
Test(s) or			
Pre-exam testing	30		