

Course Unit Descriptor

Study Programme: BSc in Biology			
Course Unit Title: Medicinal plants			
Course Unit Code: OBE014			
Name of Lecturer(s): Prof. Ružica Igić, PhD			
Type and Level of Studies: Bachelor's studies			
Course Status (compulsory/elective): elective			
Semester (winter/summer): summer			
Language of instruction: English			
Mode of course unit delivery (face-to-face/distance learning): face-to-face			
Number of ECTS Allocated: 6			
Prerequisites: -			
Course Aimes: Introduction to the importance and significance of the medicinal plants, their utilization, different ways of collection and cultivation, their affect and their biologically active substances, factors of endangerment and legislative measures of wild medicinal plants.			
Course Outcomes: Individual planning and realization of research, processing of gained results, their discussion and presentation.			
Syllabus: <i>Theoretical part</i> History of medicinal plants usage; Natural resources of medicinal plants; Harvesting, cultivation, packing and keeping of drugs. Modern phytotherapy. Division according to dominant active substances. Plants with alkaloids; Plants with etheric oils; Etheric oils secretion structures. Plants with heterosides; Plants with saponosides; Plants with tannines; Plants with resins and balsams; Plants with lower aliphatic acids; Plants with vitamins; Factors of endangerment and legislative measures of protection. <i>Practical part</i> Introduction to the basic characteristics of specific groups on the species example. Alkaloid plants; Etheric oils; Secretion of Etheric oils; Heterosides; Saponosides; Tannines; Resins and balsams; Lower aliphatic acids; Vitamins; Preparation and identification of drugs.			
Required Reading: 1. Igić, R., Vukov, D., Božin, B., Orlović, S. (2010): Lekovite biljke. Vrelo, Novi Sad. 2. Jančić, R. (2005): Botanika farmaceutika. Službeni list SCG, Beograd. 3. Sarić, M. izd. (1989): Lekovite biljke SR Srbije. SANU, Beograd. 4. Stevanović, D. ur. (1998): Biološki aktivne materije viših biljaka, gljiva, algi i bakterija. Univerzitet u Novom Sadu, PMF, Institut za biologiju. Novi Sad. 5. Tucakov, J. (1973): Lečenje biljem. Rad, Beograd.			
Weekly Contact Hours:			
Lectures: 2	Practical work: 2	Other:	Student research work:
Teaching Methods:			
Knowledge Assessment (maximum of 100 points):			
Requirements	points	Final exam	points
Active participation in lectures	5	Practical exam	
Active participation in practicals	10	Oral exam	60
Seminars	25		