Biotechnical Faculty / CONTINENTAL FRUIT GROWING AND MEDICAL PLANTS / HARVESTING,STORAGE AND PACKAGING OF MED.AROM.PLAN.

Course:	HARVESTING,STORAGE AND PACKAGING OF MED.AROM.PLAN.			
Course ID	**Course status**	**Semester**	**ECTS credits**	**Lessons** (Lessons+Exercises+Laboratory)
10769	Optional	4	6	3+2+0
Programs	CONTINENTAL FRUIT GROWING AND MEDICAL PLANTS			
Prerequisites	No prerequisites			
Aims	Education of students on proper collection and handling of collected medicinal plants according to principles sustainability of biodiversity			
Learning outcomes	After listening to the subject, the student will be able to: apply the acquired knowledge to explain, communicate, interpret the need for harvesting, storage and packaging of medicinal plants, organize collection, use and classify plant material according to drug quality			
Lecturer / Teaching assistant	dr Jasmina Balijagić			
Methodology	Lectures, exercises, seminar work, colloquiums and final exam			
Plan and program of work				
Preparing week	Preparation and registration of the semester			
I week lectures	The history of the collection of medicinal plants both in our country and in the world			
I week exercises	Getting to know the equipment for collecting medicinal plants			
II week lectures	Ecological characteristics of the collection area			
II week exercises	Personnel and basic rules when collecting			
III week lectures	Anatomical characteristics of the plant parts that are collected			
III week exercises	Practical introduction through field work			
IV week lectures	Time to harvest medicinal herbs.			
IV week exercises	Field work, collecting materials for making a binder from the area of Bjelasica			
V week lectures	Colloquium I			
V week exercises	Field work, collecting materials for making a classifier from the area of the Koritsa plateau.			
VI week lectures	Remedial colloquium.			
VI week exercises	Treatments after collection. Creation of binders: Seminar papers			
VII week lectures	Causes of spoilage of plant material. Drying			
VII week exercises	Tour of dryers, making of binders			
VIII week lectures	natural and artificial drying			
VIII week exercises	preparation of plants with medicinal properties for drying in relation to the specificity of individual plant parts which they use. Visit to the dryers in Bijelo Polje.			
IX week lectures	Colloquium II			
IX week exercises	Methods for quality testing			
X week lectures	Remedial colloquium II			
X week exercises	Organoleptic examination; determination of the presence of foreign impurities, work in the laboratory			
XI week lectures	Use of plant parts			
XI week exercises	Making potions and creams in the laboratory			
XII week lectures	Length of drug storage.			
XII week exercises	The ratio between fresh plant material and dry			
XIII week lectures	Packaging, Documentation			
XIII week exercises	Creation of documentation			
XIV week lectures	Storage, Documentation			

XIV week exercises	Transport, Documentation.
XV week lectures	Review lecture
XV week exercises	Review lecture
Student workload	

Per week	**Per semester**
6 credits x 40/30=8 hours and 0 minuts 3 sat(a) theoretical classes 0 sat(a) practical classes 2 excercises **3 hour(s) i 0 minuts** of independent work, including consultations	Classes and final exam: **8 hour(s) i 0 minuts x 16 =128 hour(s) i 0 minuts** Necessary preparation before the beginning of the semester (administration, registration, certification): **8 hour(s) i 0 minuts x 2 =16 hour(s) i 0 minuts** Total workload for the subject: **6 x 30=180 hour(s)** Additional work for exam preparation in the preparing exam period, including taking the remedial exam from 0 to 30 hours (remaining time from the first two items to the total load for the item) **36 hour(s) i 0 minuts** Workload structure: **128 hour(s) i 0 minuts (cources), 16 hour(s) i 0 minuts (preparation), 36 hour(s) i 0 minuts (additional work)**
Student obligations	To attend classes, do seminar papers, do all the exercises, do both colloquium and final exam
Consultations	In agreement with the students, one hour a week.
Literature	1. Kišgeci (2008) Medicinal and aromatic plants, Parthenon Belgrade 2. Kišgeci and sar (2009) Medicinal, aromatic and herbal plants, Faculty of Agriculture Belgrade 3. Stepanović and Radanović (2011) Technology of medicinal cultivation plants, Institute for the Study of Medicinal Plants, Dr. Josif Pančić, Belgrade. 4. Jevđović et al (2011) Drying of medicinal plants, Institute for Studies of medicinal plants, "Dr. Josif Pančić" Belgrade. 5. Hadžiablahović et al (2005): Medicinal plants and edible mushrooms in Serbia and Montenegro, Yu grafic Podgorica 6. Kulevanova et al. (2004): Medicinal and aromatic plants. Ministry of agriculture, forestry and water management Skopje
Examination methods	Attendance and activities in class: 5 points Seminar paper: 15 points Colloquium: 2x15=30 points Practical work 10 points Final exam: 40 points A passing grade is obtained if at least 50 are cumulatively collected points. Grade Number of points: A (≥ 90 to 100 points); B (≥ 80 to < 90); C (≥ 70 to < 80); D (≥ 60 to < 70); E (≥ 50 to < 60) F < of 50.
Special remarks	/
Comment	/

Grade:	F	E	D	C	B	A
Number of points	less than 50 points	greater than or equal to 50 points and less than 60 points	greater than or equal to 60 points and less than 70 points	greater than or equal to 70 points and less than 80 points	greater than or equal to 80 points and less than 90 points	greater than or equal to 90 points