Biotechnical Faculty / PLANT PRODUCTION / SPECIAL FIELDCROPS

Course:	SPECIAL FIELDCROPS			
Course ID	**Course status**	**Semester**	**ECTS credits**	**Lessons** (Lessons+Exercises+Laboratory)
11341	Mandatory	6	6	3+2+0
Programs	PLANT PRODUCTION			
Prerequisites	There are no prerequisites for registering and taking courses			
Aims	Studying the cultivation of the most important field crops, their morphological, biological and physiological characteristics, as well as the development of agrotechnical measures for specific conditions and needs			
Learning outcomes	After successfully mastering the course, students will be able to: - apply and combine different plant production systems, - apply appropriate agrotechnical measures in response to the increasingly pronounced impacts of climate change (irrigation, plant nutrition, soil cultivation systems, sowing of resistant varieties), - recognize the importance of proper management of non-renewable natural resources in conditions of intensive production, - determine the optimal date of sowing/planting and the required quantity of seeds/seedlings, - determine the optimal harvest date depending on the goal of growing a particular crop, - apply appropriate technological procedures in the production, harvesting, processing and storage of field crops, - apply the principles of good agricultural practice, - present and transfer acquired knowledge, - Independently organize agricultural production on their own farms.			
Lecturer / Teaching assistant	Dr Zoran Jovović, full professor Dr Ana Velimirović			
Methodology	Lectures, exercises, laboratory exercises, field practice, seminar papers, consultations, etc.			
Plan and program of work				
Preparing week	Preparation and registration of the semester			
I week lectures	Introduction to field crops; General properties of cereals			
I week exercises	General properties of cereals			
II week lectures	Wheat			
II week exercises	Phenological stages of development and stages of cereal organogenesis			
III week lectures	Rye; Barley			
III week exercises	Differences between small and unsalted grains; Morphological characteristics of wheat and rye			
IV week lectures	Oats; Maize			
IV week exercises	Morphological characteristics of oats, barley and maize			
V week lectures	Millet; Sorghum			
V week exercises	Morphological characteristics of millet and sorghum			
VI week lectures	Buckwheat; Rice			
VI week exercises	Morphological characteristics of buckwheat and rice			
VII week lectures	Legumes (beans, peas)			
VII week exercises	Morphological characteristics of beans and peas; TEST 1			
VIII week lectures	Legumes (soy, lupine)			
VIII week exercises	Morphological characteristics of soybean and lupine)			
IX week lectures	Legumes (peanuts); Oil plants (sunflower)			
IX week exercises	Morphological characteristics of peanut and sunflower			
X week lectures	Oil plants (rapeseed); Textile plants (cotton)			
X week exercises	Morphological characteristics of rapeseed and cotton			
XI week lectures	Textile plants (flax, hemp)			
XI week exercises	Morphological properties of flax and hemp			
XII week lectures	Root and tuber plants (potatoes)			
XII week exercises	Morphological characteristics of potatoes			

XIII week lectures	Root and tuber plants (potatoes)
XIII week exercises	Morphological characteristics of sugar beet
XIV week lectures	Root and tuber plants (sugar beet)
XIV week exercises	Morphological properties of tobacco and hops
XV week lectures	Tobacco; Hops
XV week exercises	TEST 2
Student workload	Weekly 6 credits x 40/30 = 8 hours Structure: 3 hours of lectures, 2 hours of exercises and 3 hours of independent work, including consultations Lectures and final exam: 8 hours x 15 = 120 hours Necessary preparation: 2 x 8 hours = 16 hours Total hours for the course: 6 x 30 = 180 hours Additional work: 36 hours Structure: 120 hours (lectures) + 16 hours (preparation) + 36 hours (additional work)

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	Students are required to attend classes, field and laboratory exercises and all other planned activities and to actively participate in the preparation of tasks set within the group
Consultations	Students will be provided with regular weekly consultations
Literature	Basic literature: - Đ. Glamočlija (2012): Posebno ratarstvo - Žita i zrnene mahunarke, Poljoprivredni fakultet Zemun, Beograd - Đ. Glamočlija (2010): Posebno ratarstvo – Industrijske i krmne biljke, Poljoprivredni fakultet Zemun, Beograd - D. Lazović, M. Biberdžić (2000): Posebno ratarstvo I, Žita i zrnene mahunjače, Poljoprivredni fakultet Univerziteta u Prištini Additional literature: - Š. Muminović, L. Karić, Z. Jovović, J. Žurovec (2014): Krompir. Univerzitet u Sarajevu, Poljoprivredno-prehrambeni fakultet Sarajevo - V. Milić, J. Stojčić, D. Tešanović, B. Govedarica, M. Šilj (2014): Skladištenje ratarskih proizvoda, Poljoprivredni fakultet Istočno Sarajevo - S. Oljača, Ž. Dolijanović (2013): Ekologija i agrotehnika združenih usjeva, Poljoprivredni fakultet Zemun, Beograd - D. Gadžo, M. Đikić, A. Mijić (2011): Industrijsko bilje, Poljoprivredno prehrambeni fakultet Sarajevo - I. Molnar (1999): Plodoredi u ratarstvu, Mala knjiga, Novi Sad - T. Šarić, Š. Muminović (1998): Specijalno ratarstvo, IP «Gramond» Sarajevo - Lj. Tomić, A. Demin (1977): Tehnologija proizvodnje i poznavanja duvana, Minerva, Subotica
Examination methods	- Attendance at lectures 5 points - Class activities and homework 5 points - Two tests of 7 points each, 14 points in total - Seminar work 6 points - Two colloquiums of 15 points each, 30 points in total - Final exam 40 points Passing grade is obtained if at least 50 points are accumulated Grade A B C D E No of points 90-100 80-89 70-79 60-69 50-59
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