Course Unit Descriptor

Study Programme: PRECISION AGRICULTURE			
Course Unit Title: PRODUCTION OF CEREALS AND GRAIN LEGUMES			
Course Unit Code: 19.PRP014			
Name of Lecturer(s): Prof. Jovan Crnobarac, PhD; Prof. Dragana Latković, PhD			
Type and Level of Studies: Master Academic Studies			
Course Status (compulsory/elective): elective			
Semester (winter/summer): winter			
Language of instruction: English			
Mode of course unit delivery (face-to-face/distance learning): face to face			
Number of ECTS Allocated: 5			
Prerequisites: -			
Course Aims: The aim of the course is to students learn how to achieve higher and stable yields of good quality with satisfactory profitability in Serbia or similar environment and conservation of agroecosystems.			
Learning Outcomes: After the completed field exercises in specific production conditions and written seminar papers students will be able to understand the relationships between requirements of plants and real production conditions. Thus will be able to analyse the production success and the creation of production technology.			
Syllabus: *Theory* Next main field crops will be studied: wheat, barley, corn, beans, soybeans, peas. In the teaching process, special attention will be paid to the growing technologies. In addition to theoretical teaching (and consultation), teaching will be held by preparing seminar papers, too. *Practice* Exercises of the course will consist of practical work in the field under production conditions on actual jobs performed at a given moment. Upon completion of the exercises, students will have to write seminar paper with a detailed description: what has been done, which the failure was made and why that occurred.			
Required Reading: John H. Martin, Richard P. Waldren, David L. Stamp: Principles of Field Crop Production, Pearson Education Inc., Upper Saddle River, New Jersey, Columbus, Ohio, USA, 2006. Samuel Davies and George Evans: Soybean and Wheat Crops: Growth, Fertilization, and Yield. Nova Science Publishers, Inc., New York, USA. 2009. Robert G. Hoeft, Emerson D. Nafziger, Richard R. Johnson and Samuel R. Aldrich: Modern corn and soybean production, MCSP Publications; 1st edition, 2000. Internet and digital sources: Thematic international journals and lecture notes of professors.			
Weekly Contact Hours:	**Lectures:** 3	**Practical work:** 2	
Teaching Methods: Lectures and students group work and consultations.			
Knowledge Assessment (maximum of 100 points):			
Pre-exam obligations	points	**Final exam**	points

Active class participation	10	written exam	
Practical work	10	oral exam	30
Preliminary exam(s)	20	…….	
Seminar(s)	15+15		
The methods of knowledge assessment may differ; the table presents only some of the options: written exam, oral exam, project presentation, seminars, etc.			