

<b>Study program:</b> Organic crop and livestock production			
<b>Type and level of study:</b> Bachelor academic studies			
<b>Course Title:</b> AGRICULTURE AND ENVIRONMENTAL PROTECTION			
<b>Teachers:</b> Dr. Jovanović B. Ljubinko, Full professor			
<b>Status:</b> Obligatory, semester IV			
<b>ECTS:</b> 6			
<b>Prerequisite:</b> None			
<b>The goal of course</b> Understanding the functioning of agroecosystems and the application of ecological concepts in the design and management of agroecosystems, the impact of agricultural production on the environment, multidisciplinary analysis of the role of agroecosystems in the environment.			
<b>The outcome of the subject</b> Students are trained to recognize and solve problems in agroecosystems and are capable of critical analysis in applied ecology in agriculture.			
<b>Syllabus</b> <i>Theoretical study</i> – Agroecosystems - structure and function, disturbances in agroecosystems, energy in agroecosystems, biodiversity in agroecosystems, sustainable use of resources in agriculture, disorders in agroecosystem as a result of excessive use of fertilizers and pesticides, sustainable management of agroecosystems. <i>Practical classes</i> - For each chapter of the theoretical classes, practical workshops and seminars will be organized.			
Literature 1. Huber, S., Prokop, G., Arrouays, D., Banko, G., Bispo, A. (2009): Environmental Assessment of Soil for Monitoring Italy, Elsevier. 2. Patrick C. Kangas (2004): ECOLOGICAL ENGINEERING. Principles and Practice. LEWIS PUBLISHERS A CRC Press Company Boca Raton London New York Washington, D.C. 3. Andrew H. Cobb and John P.H. Reade (2010): Herbicides and Plant Physiology Second Edition A John Wiley & Sons, Ltd., 5. Group of author.(2007): Soil Microbiology, Ecology, and Biochemistry Editor Eldor A. Paul 6. John T. Cookson (1995): Bioremediation Engineering Design and application. McGrawHill, Inc.			
<b>Number of lectures: 4</b>			Other Classes
Lectures: 2	Practices: 2	Other forms of teaching: Student research work:	
<b>Teaching methods:</b> Lectures, discussions with students, experimental exercises, preparation and public defense of practical applied work			
Score (maximum 100 points)			
<b>Pre-commitments</b>	<b>Poens</b>	<b>The final exam</b>	<b>Poens</b>
Activity during lectures	10	Written exam	30
Practical classes	10	Oral examination	20
Colloquia	20		
Seminars	10		
<i>Total</i>	50		50