

Study program: Organic crop and livestock production			
Type and level of study: Bachelor academic studies			
Course Title: BASICS OF GOOD AGRICULTURAL PRACTICE AND INTEGRAL AGRICULTURE			
Professors: Dr. Olivera Nikolić, Associate Professor			
Status: Compulsory, semester IV			
ECTS: 6			
Prerequisite: None			
The goal of the course Students will be educated to apply the principles of good agricultural practices and integrated production. During teaching, students should acquire knowledge about natural resources, soil, water, air and biodiversity by applied sustainable agricultural systems. They will learn about standards of good agricultural practices and integrated production as well as steps in obtaining the certificate.			
The outcome of the course Students have mastered the basics and applied operations of good agricultural practices and principles of integrated agriculture. They will be able to organize these forms of agricultural production, take steps on product certification as well as take care and improve natural resources, health and animal welfare.			
Syllabus <i>Theoretical study</i> Definition and historical development of integrated agriculture, the most important agricultural systems (traditional, conventional, sustainable). Natural resources and good agricultural practise in conservation of natural resources: soil (genesis, traits, fertility, structure and content of organic matter, activity of microorganisms and other), water (role and importance of water in agriculture, use, nitrate directive, erosion, wastewater, water protection), air (unpleasant odours, smoke). Good agricultural practise in each phase of production (request, principles, codex), examples of production of selected cultivars (tillage - machinery, equipment, tools, results, fertilizers and fertilization, crop rotation - vegetable, vegetable - crop farming, farm management - connection to the importance of livestock - manure, slurry, animal work, soil fertility, seed, crop care measures with the emphasis on irrigation effects, yield, soil, erosion, drainage, crop harvesting, storing fruits and other relevant facts necessary for successful manufacturing. Good production and hygiene practise, standards and certification in agriculture: GlobalGap, IP, ISO, Kocher, Halal, BIOS, HACCP). GlobalGap: standard characteristics, documents, structure, requests, certification – individual and group. Integrated agriculture (principles, goals, structure). Integrated mineral nutrition, integrated crop protection (agritechnical, biological and chemical treatments), prognostic reporting service. Standard and certification of integrated agriculture. <i>Practical lessons</i> – Practical work by areas, taking soil samples and analysis, crop rotation planning, analysis of control points in certification process, visit to successful farms and institutions.			
Literature Protecting our Water, Soil and Air A Code of Good Agricultural Practice for farmers, growers and land managers https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/268691/pb13558-cogap-131223.pdf Jill E. Hobbs (2003): Incentives and disincentives for the adoption of Good Agricultural Practices. Rome			
Number of lectures:5			Other Lessons
Lectures: 3	Practices: 2	Other forms of teaching:	
Student research work:			
Teaching methods: Lectures, discussions with students, experimental exercises, preparation and public defense of practical applied work.			
Score (maximum 100 points)			
Pre-commitments	Points	The final exam	Points
Activity during lectures	10	Written exam	
Practical lessons	10	Oral examination	50
Preliminary exam	20		
Seminars	10		
<i>Total</i>	50		50