

Discipline	<i>VEGETABLE PRODUCTION, PART 2</i> code: 38 summer semester			
Specialty	AGRONOMY			
ECTS credits: 5	Form of assessment: Exam			
Lecturer	Prof. Hriska Boteva PhD Room NUK 317a Phone: +359 52 385 725 E-mail: hriska_mb@abv.bg			
Department	PLANT PRODUCTION			
Faculty	<i>FACULTY OF MECHANICAL ENGINEERING AND TECHNOLOGIES</i>			
<p>Annotation:</p> <p>The Vegetable production is a major branch of agriculture. More than 50 types of vegetable crops are grown and still growing in our country. Every year vegetable production is produced on an area of about 150 thousand hectares according to statistical surveys,. The pursuit of competitive production in the cultivation of vegetables requires staff with in-depth knowledge in the field of vegetableproduction.</p> <p>Objective of the course: To enrich students information on the botanical characteristics of varieties and the modern technologies applied in the vegetable growing sub-sector. In the lecture course, they will have the opportunity to acquire new, theoretical and applied knowledge, which will subsequently be confirmed during the seminar and laboratory exercises. After completing the course, future Bachelors will have mastered the basic theoretical and some practical skills needed to organize a successful production of vegetable produce.</p> <p>Learning outcomes: Students acquire contemporary theoretical knowledge and practical approaches for growing vegetables. Understand the specific features and requirements of vegetable crops to the main environmental factors. To engage in techniques to optimize plant growth conditions and to permanently master the practices that will increase production efficiency.</p> <p>Undertaking the basics of vegetable production is a natural continuation of the fundamental and specialized subjects studied at the Bachelor's degree course. Therefore, after completing their training, the students will have real chances of realization on the labor market and the best ones will continue to build on the obtained knowledge in Master programs.</p>				
CONTENTS:				
Training Area			Hours lectures	Hours seminar exercises

Tomatoes - origin and economic importance. Botanical features and biological requirements. Directions of cultivation. Cultivation technologies.	2	
Pepper - origin and economic importance. Botanical features and biological requirements. Directions of cultivation. Cultivation technologies.	2	
Eggplant - origin and economic importance. Botanical features and biological requirements. Cultivation technologies.	1	
Potatoes - origin and economic importance. Directions of cultivation. Botanical features and biological requirements. Cultivation technologies.	1	
Cucumbers - origin and economic importance. Botanical features and biological requirements. Cultivation directions and technologies.	2	
Pumpkins and courgettes - origin and economic importance. Botanical features and biological requirements. Cultivation technologies.	1	
Watermelons - origin and economic importance. Botanical features and biological requirements. Cultivation technologies - by direct sowing; early (forced) Polish production.	2	
Melons - Botanical features and biological requirements. Cultivation technologies - by direct sowing; early (forced) Polish production.	1	
Cabbage - origin and economic importance. Botanical features and biological requirements. Cultivation technologies.	2	
Cauliflower (cauliflower) - origin, distribution, economic importance. Botanical features and biological requirements. Cultivation technologies.	1	
Non-traditional and traditional crops from the Cruciferous family - broccoli, Brussels sprouts, Chinese types of cabbage, collard greens, turnips and radishes. Origin and economic significance. Botanical features and biological requirements. Cultivation technologies.	2	
Carrots - origin and economic importance. Botanical features and biological requirements. Cultivation technologies.	1	
Celery - origin and economic importance. Botanical features and biological requirements. Cultivation technology.	1	
Parsley - origin and economic importance. Botanical features and biological requirements. Cultivation technology.	1	
Onion - origin and economic importance. Botanical features and biological requirements. Cultivation technologies.	1	
Garlic - origin and economic importance. Botanical features and biological requirements. Cultivation technologies - production of bulbs and green garlic.	1	
Leek - origin and economic importance. Botanical features and biological	1	

requirements. Cultivation technology.		
Green beans - origin and economic importance. Botanical features and biological requirements. Cultivation technology.	1	
Garden peas and broad beans - origin and economic importance. Botanical features and biological requirements. Cultivation technologies.	1	
Vegetable crops for spices: fennel, savory and jojen - origin and economic importance. Botanical features and biological requirements. Cultivation technologies.	1	
Lettuce - origin and economic importance. Botanical features and biological requirements. Cultivation technology.	1	
Spinach - origin and economic importance. Botanical features and biological requirements. Cultivation technology.	1	
Salad beet - origin and economic importance Botanical features and biological requirements. Cultivation technology.	1	
Asparagus - origin and economic importance. Botanical features and biological requirements. Cultivation technology.	1	
Tomatoes - Botanical features and characteristics of varieties.		2
Pepper. Botanical features and characteristics of varieties.		2
Eggplant. Botanical features and characteristics of varieties.		2
Potatoes. Botanical features and characteristics of varieties.		2
Cucumbers. Botanical features and characteristics of varieties.		2
Watermelons. Botanical features and characteristics of varieties.		1
Melons. Botanical features and characteristics of varieties.		1
Pumpkins. White squash, nutmeg and ready-made zucchini. Botanical features and characteristics of varieties.		1
Cabbage. Botanical features and characteristics of varieties.		1
Cauliflower. Botanical features and characteristics of varieties.		1
Garden beans. Botanical features and characteristics of varieties.		1
Green peas and chickpeas. Botanical features and characteristics of varieties.		1
Carrots. Botanical features and characteristics of varieties.		1
Celery. Botanical features and characteristics of varieties.		1

Parsley. Botanical features and characteristics of varieties.		1
Onion. Botanical features and characteristics of varieties.		2
Garlic. Botanical features and characteristics of varieties.		1
Leek. Botanical features and characteristics of varieties.		1
Salad. Botanical features and characteristics of varieties.		1
Turnips and radishes. Botanical features and characteristics of varieties.		1
Beet salad. Botanical features and characteristics of varieties.		1
Spinach. Botanical features and characteristics of varieties.		1
Non-traditional vegetable crops – broccoli and asparagus. Botanical features and characteristics of varieties.		2
TOTAL: 60 h	30	30