Discipline	*PRACTICE – VEGETABLE PRODUCTION* code: 42 summer semester	
Specialty	AGRONOMY	
ECTS credits: **1**	Form of assessment: Accepted	
Lecturer	Plamena Yankova PhD Room NUK 331 Phone +359 52 385 725 E-mail: pl_yankova@abv.bg	
Department	PLANT PRODUCTION	
Faculty	*FACULTY OF MECHANICAL ENGINEERING AND TECHNOLOGIES*	

Annotation:
Vegetable production is a major branch of agriculture. More than 50 types of vegetable crops are grown and still growning 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 vegetable production.
Objective of the course: The vegetable production teaching practice aims to consolidate the theoretical knowledge of the students obtained in the discipline "Vegetable production". During the practice the students learn about the directions of production of the individual vegetable cultures, the biological requirements in their cultivation, the specific botanical peculiarities and the modern technologies applied in the vegetable growing sub-sector.
Learning outcomes: The main tasks of the Bachelor's course are to enrich the students' knowledge about modern technologies and varieties of vegetable crops. 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.
The knowledge gained from the course on vegetable production and their consolidation during the teaching practice will contribute to the improvement of the professional qualification of the students as well as to their successful realization in the labor market.

CONTENTS:

Training Area	Hours lectures	Hours seminar exercises
Propagation of vegetable crops. Seed propagation. Cultivation by seedlings and vegetative propagation.		2
Seedling production - main technological units. Mixtures and substrates for growing vegetable seedlings. Necessary conditions for the production of seedlings.		2
Seedling production. Preparation of areas for the production of vegetable seedlings. Seedling production		4
Growing seedlings in cultivation facilities for early and mid-early field production. Light, heat and humidity requirements of vegetable plants in facilities. Basic agrotechnological measures for growing seedlings in cultivation facilities		4

Growing seedlings for late field production. Seedling quality requirements and assessment. Basic agrotechnological measures for growing seedlings.		4
Selection of suitable areas for growing vegetable crops. Specific moments from agricultural technology. Variations in soil surface profiling. Ways of sowing and planting vegetable crops.		4
Care of vegetable crops after planting seedlings. Technological treatments and opportunities to optimize environmental factors. Fight against weeds, pathogens and enemies.		4
Organic vegetable production. Basic Principles. Technologies for biological production.		2
Harvesting, sorting, short-term storage and transportation of vegetable production. Storage for maturing. Production losses during storage and transport		4
TOTAL: **30 h**		**30**