

Discipline	DEVELOPMENT OF AGROTECHNOLOGIES FOR FIELD CROPS code: 47a winter semester	
Specialty	AGRONOMY	
ECTS credits: 6	Form of assessment: Exam	
Lecturer	Assoc. prof. Peter Yankov PhD Room NUK331 Phone: +359 52 385 725 E-mail: p_yankov@tu-varna.bg	
Department	PLANT PRODUCTION	
Faculty	<i>FACULTY OF MECHANICAL ENGINEERING AND TECHNOLOGIES</i>	

Learning objectives:

The curriculum is intended for students of a Bachelor's degree program in Agronomy. The course "Development of Agrotechnologies for Field Crops" provides knowledge in the field of agrotechnology for cultivation of the main arable crops. For each of the crops the following steps of the agrotechnology are considered - soil treatment after various predecessors; fertilization (fertilizer norms and fertilizer input deadlines); seeds quality (requirements); sowing (sowing time and sowing depths); care during vegetation; weed, disease and pests control; harvesting and storing the production.

During the course "Development of Agrotechnologies for Field Crops" the students apply and expand their knowledge in botany, biochemistry, physiology, agrometeorology, soil science, agrochemistry, general agriculture, agricultural machinery, herbology, phytopathology, entomology, etc.

After finishing the course, the students will be able to manage the production of different crops in specific soil and climatic conditions of the growing area.

CONTENTS:

Training Area	Hours lectures	Hours seminar exercises
Exemplary technology for growing wheat.	5	
Exemplary technology for growing fodder and brewing barley.	4	
Exemplary technology for growing corn for grain and silage.	5	
Example technology for growing sunflower.	5	
Example technology for growing rapeseed.	4	
Example technology for growing soybeans.	4	
Example technology for growing beans.	3	

Development of an exemplary technology for growing wheat.		3
Development of an exemplary technology for growing corn.		3
Development of an exemplary technology for growing sunflowers.		3
Development of an exemplary technology for growing rapeseed.		3
Development of an exemplary technology for growing soybeans.		3
TOTAL: 45 h	30	15