

Discipline	AGRICULTURAL MELIORATIONS code: 46 winter semester		
Specialty	AGRONOMY		
ECTS credits: 6	Form of assessment: Exam		
Lecturer	Assoc. prof. Peter Yankov PhD Room NUK 331 Phone: +359 52 385 725 E-mail: p_yankov@tu-varna.bg		
Department	PLANT PRODUCTION		
Faculty	<i>FACULTY OF MECHANICAL ENGINEERING AND TECHNOLOGIES</i>		
<p>Learning objectives:</p> <p>The curriculum is intended for students of a Bachelor's degree program in Agronomy. The course "Agricultural Meliorations" enables the students to acquire knowledge about irrigation, drainage, anti-erosion and agrochemical meliorations. The course examines the water-physical properties of the soil, the irrigation regime, the types and methods of irrigation, the different types of irrigation systems, the drainage of excess surface and ground water, the types of soil erosion, the root causes of the erosion processes, measures to protect the soil from erosion, and stopping the process at a certain stage of its development.</p> <p>During the course "Agricultural Meliorations" students apply and expand their knowledge of soil science, agrochemistry, general agriculture, mechanization and others.</p> <p>After finishing the course, the students will be able to apply the necessary meliorative activities according to the specific soil and climatic conditions.</p>			
CONTENTS:			
	Training Area	Hours lectures	Hours seminar exercises
	Physical and water properties of the soil.	6	
	Crop irrigation regime.	6	
	Types and methods of irrigation.	6	
	Methods and means for land reclamation.	6	
	Water and wind erosion of the soil.	6	
	Methods for determining some physical and water properties of the soil.		8
	Types of irrigation regimes.		8
	Soil acidification.		7
	Soil salinization.		7
	<b>TOTAL: 60 h</b>	<b>30</b>	<b>30</b>

