

Discipline	<i>PLANT PROTECTION, PART 4 (INTEGRATED PEST MANAGEMENT)</i> code: 45 winter semester		
Specialty	AGRONOMY		
ECTS credits: 6	Form of assessment: Exam		
Lecturer	Prof. Ivan Kiryakov, PhD Room: NUK 317a Phone: +359 52 385 725 E-mail: idkiryakov@abv.bg		
Department	PLANT PRODUCTION		
Faculty	<i>FACULTY OF MECHANICAL ENGINEERING AND TECHNOLOGIES</i>		
Annotation: During the course students learn about: methods for determining the economic threshold of harmfulness of pests; timing and approaches for the control; the interaction between hosts and pests; the relationships between the pests themselves in the relevant agrocenosis; preserving and increasing natural enemies of pests. In parallel, they will increase their knowledge of the key pests of each crop. Main issues of the syllabus content:			
<ul style="list-style-type: none"> • Essence and methods of Integrated Pest Management. • Integrated pest management on the main crops . • Aerobiological requirements and agrotechnical measures on crop plants and their influence on the population density of key pests. • Key pests on the crop plants in Bulgaria. 			
CONTENTS:			
Training Area			Hours lectures
			Hours seminar exercises

Historical aspects of IUV.	2	
Pest control methods	2	
Biological control of pests	2	
Chemical method:	2	
Integrated pest management in cereal crops	4	
Integrated pest management in annual and perennial leguminous crops	3	
Integrated pest management in technical and oil crops	3	
Integrated pest management in vegetable crops	4	
Integrated pest management in vegetable crops - greenhouse production	1	
Integrated pest management in fruit species	4	
Integrated pest management in berry crops and vines	3	
Methods and approaches in determining the nature of pests:		4
Methods for surveying and reporting the density and degree of pest attack:		4
Key pests of cereal crops:		4
Key pests of leguminous crops:		3
Key pests of technical and oil crops:		4
Key pests of vegetable crops:		4
Key pests of fruit species:		4
Key pests of berry crops and vines:		3
TOTAL:60 h	30	30