



**Syllabus of discipline**  
 « Botany »

**Level of high of high education** – Bachelor  
**Speciality** “202 “Plant protection and quarantine””  
**Study program** 20 Agrarian sciences and food  
**Year of study** I,  
**Semester** Semester 1  
**Form of study** \_\_\_\_\_ full-time tuition \_\_\_\_\_ ( full-time tuition, distance learning)  
**Number of credits of ECTS** 3  
**Language of study** \_\_\_\_\_ English \_\_\_\_\_ ( Ukrainian, English German)

**Lecturer of course**

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**Page of course in eLearn**

**INFORMATION ABOUT DISCIPLINE**

Aim is to study the laws of development of plants as major components of biosphere.

Tasks are

- to study botanical terminology and methods of investigation of plants that are necessary to study plants on practice; to form for student's general vision of the plant world.
- to learn, to analyze and to work with the literature and botanical objects;
- to learn a technique of experimental research of botanical objects in laboratory and in practice;
- to learn the laws of morphological and anatomical structure and development of plants and microorganisms;
- to learn a technique of identification of plants, their taxonomy;
- to learn and to analyze the botanical phenomena, changes and to form the appropriate conclusions.

**STRUCTURE OF COURSE**

Theme	Hours (lectures/practical work/selfwork)	Results of study	Tasks	Evaluation
<b>1<sup>st</sup> semester</b>				
<b>Module 1</b>				
Theme module 1. Cytology, hystilogy, organography	5/10/20	Has to know terms, systematic and main groups of plants; Can operate on the botanical terminology and	<b>Laboratory works, tests</b>	<b>10</b>

		methods of investigation of plants that are necessary to study plants on practice. The variety of plants induces the study of specific features of different groups of plants, their development, phylogenic relations and value for agriculture and plant protection.		
<b>Module 2</b>				
Theme module 2. Propagation. Systematic of Low Plants and High spore plants	<b>4/10/10</b>	Has to know terms, systematic and main groups of plants; Can operate on the botanical terminology and methods of investigation of plants that are necessary to study plants on practice. The variety of plants induces the study of specific features of different groups of plants, their development, phylogenic relations and value for agriculture and plant protection.	<b>Laboratory works, tests</b>	<b>30</b>
<b>Module 3</b>				
Module 3. Seed plants. Systematic of flowering plants, Elements of Phytocenology	<b>6/10/15</b>	Has to know terms, systematic and main groups of plants; Can operate on the botanical terminology and	<b>Laboratory works, tests</b>	<b>30</b>

		methods of investigation of plants that are necessary to study plants on practice. The variety of plants induces the study of specific features of different groups of plants, their development, phylogenic relations and value for agriculture and plant protection.		
All hours per semester 15/30/45				<b>70</b>
<b>Exam</b>				<b>30</b>
<b>Total</b>				<b>100</b>

#### Policy of evaluation

<b><i>Deadline policy and retest</i></b>	Works after deadline without reasons have lower level of mark Modules can be retested with permission of the lecturer.
<b><i>Policy to academic truth</i></b>	Cheating on exam and testing is forbidden
<b><i>Policy to attendance</i></b>	Study is obligatory except some reasons (illness etc). Individual study is possible with the permission of faculty dean.

#### Scale of the evaluation

Sum of marks for all types of activity	National evaluation due to results of exams and tests	
	Exams	Tests
90-100	very good	Pass
74-89	good	
60-73	satisfactory	
0-59	unsatisfactory	Do not pass