



## SYLLABUS

### «Plant science and basis of fodder production»

Degree – Bachelor

Speciality **202 Protection and Plant Quarantine**

Year – 3<sup>rd</sup>, semester – 5<sup>th</sup>

From – full-time

Number of ECTS credits – 3

Language – English

Lector

Contacts (e-mail)

eLearn

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<https://elearn.nubip.edu.ua/course/view.php?id=24>

## ANNOTATION

Goal of the course is to provide the theoretical knowledge and practical skills of the production of plant products, skills in the rational choice and effective use of various elements of technology in order to increase the productivity of culture and reduce the cost of production. Learning objectives is to develop the students' knowledge and skills in the Based on the study of plant biological characteristics, students will be able to further develop measures and methods for optimizing environmental factors to maximize the potential of agricultural crop productivity. The discipline is based on the knowledge about the plants of field culture, the peculiarities of their development, the requirements for environmental factors, modern techniques and technologies for the cultivation of high yields of high quality at the lowest cost of labor and funds. In turn, crop production is the basis for such sciences as economics and organization of agricultural production.

Studying the technologies of production of crop production requires from students certain knowledge on the basics of agriculture, soil science, land reclamation, agrochemistry, plant growing, etc

## COURSE STRUCTURE

Theme	Hours			Results	Tasks	Evaluation
	lecture	Pract.	Ind.			
1 semester						
Module 1. Cereals						
Theme 1. Plant science as branch of agriculture. Condition of modern plant science in Ukraine and world	2	2	2	To know actual condition of world crop production	Individual task - eLearn	Passed/ not passed
Theme 2. Technology of crop production	-	4	6	To know a structure of typical technology card. To be able to change some elements in card	- Practice work - eLearn Individual task - eLearn	10 points  Passed/ not passed
Theme 3. Cereals is	4	10	6	To know	- Practice	20 points

a basis of agriculture.				classification of crops. To know main species in agriculture To be able to determine specie of crop	<b>work - eLearn Individual task - eLearn</b>	<b>(for each) Passed/ not passed</b>
<b>Theme 4.</b> Legumes: value, biological characteristics, growth technology	<b>2</b>	<b>2</b>	<b>6</b>	To know actual condition of legume cultivation To know main legumes To be able to determine legume seeds and plants	<b>- Practice work - eLearn Individual task - eLearn</b>	<b>20 points Passed/ not passed</b>
<b>Module 1 - tasks</b>	<b>Summarize point for tasks</b>					<b>70</b>
<b>Module 1 - test</b>					<b>Module test - eLearn</b>	<b>30</b>
<b>Summary Module 1</b>	<b>8</b>	<b>16</b>	<b>20</b>			<b>100</b>
<b>Module 2. Industrial crops</b>						
<b>Theme 5.</b> Tuber and taproot crops	<b>3</b>	<b>4</b>	<b>4</b>	To know main species of tuber crops and taproot crop. To know main directions of uses these crops To be able to determine the crop for seed	<b>- Practice work - eLearn Individual task - eLearn</b>	<b>30 points Passed/ not passed</b>
<b>Theme 6.</b> Oil crops	<b>2</b>	<b>4</b>	<b>6</b>	To know main oil crops, To know direction of uses different oil crops and their oils. To be able to determine sub species of sunflower	<b>- Practice work - eLearn Individual task - eLearn</b>	<b>20 points Passed/ not passed</b>
<b>Theme 7.</b> Fiber crops	<b>2</b>	<b>2</b>	<b>2</b>	To know mail fiber crops and deficiency of their fiber. To know elements of successful cultivation of fiber crops To be able to determine crops and their fiber	<b>- Practice work - eLearn</b>	<b>20 points</b>
<b>Theme 8.</b> Medicinal and aromatic crops	<b>-</b>	<b>2</b>	<b>2</b>	To know classification of	<b>Individual task -</b>	<b>Passed/ not passed</b>

				crops. To know main species in agriculture To be able to determine specie of crop	eLearn	
<b>Theme 9.</b> Niche crops	-	2	6	To know classification of niche crops. To know main energy crops To be able to choose niche crop for entertainment		
<b>Module 2 - tasks</b>	<b>Summarize points for tasks</b>					<b>70</b>
<b>Module 2 - test</b>					<b>Module test - eLearn</b>	<b>30</b>
<b>Summary Module 2</b>	<b>7</b>	<b>14</b>	<b>20</b>			<b>100</b>
<b>Attestation</b>						
<b>Work during semester**</b>	<b>Formula: Average (Module 1; Module 2) * 0.7</b>					<b>70</b>
<b>Exam**</b>						<b>30</b>
<b>Summary for course</b>	<b>15</b>	<b>30</b>	<b>40</b>			<b>100</b>

**\*\*Points depend on assessment on 2 departments – 1. Plant Science; 2. Storage and processing**

### **POLITICS OF ASSESSMENT**

<b><i>Politics for deadline and re-assessment:</i></b>	<ul style="list-style-type: none"> <li>• Tasks must be submitted on time, according to the delivery schedule.</li> <li>• Penalty for delay: <ul style="list-style-type: none"> <li>- 10% – less 1 month</li> <li>- 20% – more 1 month</li> </ul> </li> <li>• Re-assessment will be allowed if you pass all tasks in module</li> </ul>
<b><i>Politics for plagiarism:</i></b>	<b>Plagiarism and re-delivery tasks don't allow</b>
<b><i>Politics for class attendance:</i></b>	<b>Attendance is mandatory. For objective reasons (for example, illness, international internship) training can take place individually (in online form in consultation with the dean of the faculty)</b>

### **ASSESSMENT SCALE**

<b>Points</b>	<b>Assessment</b>	
	<b>exam</b>	<b>test</b>
90-100	Excellent	passed
74-89	Good	
60-73	satisfactorily	
0-59	Not satisfactorily, need re-assessment	Not passed