



SYLLABUS

«Technology of crop production: Plant Science»

Degree – Bachelor

Speciality **073 Management**

Year – 1st, semester – 1st

Form – full-time

Number of ECTS credits – 4

Language – English

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<https://elearn.nubip.edu.ua/course/view.php?id=1607>

Lector

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eLearn

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.

COURSE STRUCTURE

Theme	Hours			Results	Tasks	Evaluation
	lecture	Pract.	Ind.			
1 semester						
Module 1. Crop production. Structure of cropping system						
Theme 1. Introduction in agriculture. Crop classification	2	4	4	To know a structure of typical technology card. To be able to change some elements in card	Practice work- eLearn	30
Theme 2. Elements of cropping system	6	2	8		Practice work- eLearn	20
Theme 3. Cropping/cultivation system card	2	2	4		Practice work- eLearn	20
Module 1 - tasks					Complete/pass labs	70
Module 1 - test					Module test - eLearn	30
Summary Module 1	10	8	16			100
Module 2. System in agriculture						
Theme 4. Classification of cropping system	2	-	6	To know main species cropping systems. To be able to assess possibility to change cropping system	Individual work-eLearn	-(passed)
Theme 5. Industrial/Intensive systems	2	2	8		Practice work- eLearn	30
Theme 6. Organic farming	2	2	4		Practice work- eLearn	20
Theme 7. Precision farming	2	2	4		Practice work- eLearn	20
Module 2 - tasks						70
Module 2 - test					Module test - eLearn	30
Summary Module 2	8	6	22			100
Module 3. Technologies of crop cultivation						
Theme 8. Winter and spring cereals	4	8	8	To know main classifications of crops. To be able to assess possibility to cultivate crop in farm.	Practice work- eLearn	35
Theme 9. Legumes	2	2	4		Practice work- eLearn	10
Theme 10. Tuber and root crops	2	2	4		Practice work- eLearn	10
Theme 11. Oil crops, essential and fiber crops	4	4	6		Practice work- eLearn	15
Module 3 - tasks						70
Module 3 - test					Module test - eLearn	30
Summary Module 3	12	16	22			100
Attestation	Work during semester					70
	Exam					30
Summary for course	30	30	60			100

POLITICS OF ASSESSMENT

<i>Politics for deadline and re-assessment:</i>	<ul style="list-style-type: none"> • Tasks must be submitted on time, according to the delivery schedule. • Penalty for delay: <ul style="list-style-type: none"> - 10% – less 1 month - 20% – more 1 month • Re-assessment will be allowed if you pass all tasks in module
<i>Politics for plagiarism:</i>	Plagiarism and re-delivery tasks don't allow
<i>Politics for class attendance:</i>	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)

ASSESSMENT SCALE

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

How is form your final points?

Your final points consist of **Work during semester** (max 70) and **exam point** (max 30).

You can use formula $\{([\text{Module 1}] * 0.3) + ([\text{Module 2}] * 0.3) + ([\text{Module 3}] * 0.4)\} * 0.7$ to evaluate your “**Work during semester**” points.

For example. You have 80 points for 1ST Module, 70 for 2nd Module and 90 for 3rd Module.

1st step – $(80\text{points} * 0.3) + (70 * 0.3) + (90 * 0.4) = 24 + 21 + 36 = 81$ points

2nd step – $81 \text{ point} * 0.7 = 56.7 \text{ point} = 57$ points (points round to integer value)

3rd step – $57 + 30(\text{exam points}) = 87$ points. It's your final point.