



TECHNICAL UNIVERSITY OF VARNA

Ratified by:

Rector:

/Prof. Dragomir Dimitrov, PhD/

CURRICULUM

Professional orientation: **PLANT PRODUCTION**

Educational and qualification degree: **BACHELOR**

Programme: **AGRONOMY (in English Language)**

Professional qualification: **AGRONOMIST**

Form of study: **FULL - TIME**

Term of study: **4 YEARS / 8 SEMESTERS**

Number	Subject name	Types of term control				Auditorium load						Unsupervised load	Total work hours	ECTS credits
		Examination	Progressive assessment	Course project	Approved	Lectures	Seminars			Laboratories	Total load			
							Seminar exercises	Course project	Course work					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	Chemistry	*				30				30	60	90	150	6
2	Agrometeorology	*				30				30	60	90	150	6
3	Botany, part 1	*				30				30	60	90	150	6
4	Computer Science and Computer Technology		*			15				15	30	120	150	6
5	English				*		45				45	80	125	5
6	Elective Subject				*							30	30	1
a	Specialized Sport Activities, part 1													
b	Adapted Physical Activity*													
Total for the 1 semester:		3	1	0	2	105	45	0	0	105	255	500	755	30
7	Botany, part 2	*				15				30	45	55	100	4
8	Soil Science	*				30				30	60	90	150	6
9	Plant Physiology and Biochemistry		*			30				30	60	65	125	5
10	General Microbiology	*				30	15			15	60	65	125	5
11	General Agriculture	*				30				30	60	65	125	5
12	English Language - specialized (part 1)		*				60				60	60	120	4
13	Elective Subject				*							30	30	1
a	Specialized Sport Activities, part 2													
b	Adapted Physical Activity*					(30)	(15)				(45)	(75)	(120)	(4)
Total for the 2 semester:		4	2	0	1	135	75	0	0	135	345	430	775	30
14	Economics	*				30	15				45	55	100	4
15	Agrochemistry	*				30				30	60	90	150	6
16	Genetics and Biotechnologies	*				30				30	60	90	150	6
17	Design of Field Experiments	*				30				15	45	80	125	5

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							Seminar exercises	Course project	Course work					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
18	Elective Subject		*			30				15	45	55	100	4
a	Ecology													
b	Rural Recreation													
19	Elective Subject		*			15				15	30	70	100	4
a	Technologies for Restoration of Damaged Soils													
b	Erosion and its Control													
20	Elective Subject				*							30	30	1
a	Specialized Sport Activities, part 3													
b	Adapted Physical Activity*													
Total for the 3 semester:		4	2	0	1	165	15	0	0	105	285	470	755	30
21	Plant Protection, part 1 (Herbology)	*				30				30	60	90	150	6
22	Plant Protection, part 2 (Phytopathology)	*				30				30	60	90	150	6
23	Breeding and Seed Production of Cultivated Plants	*				30				30	60	90	150	6
24	Viticulture, part 1	*				15				30	45	80	125	5
25	Agricultural Machinery		*			30				30	60	65	125	5
26	Elective Subject		*			30	15				45	55	100	4
a	Conservation of Natural Resources													
b	Introduction in Natural Ressources Usage													
27	Practice - Basic Agronomic Disciplines				*							30	30	1
28	Elective Subject				*							30	30	1
a	Specialized Sport Activities, part 4													
b	Adapted Physical Activity*													
Total for the 4 semester:		4	2	0	2	165	15	0	0	150	330	530	860	34
29	Viticulture, part 2	*				30				30	60	65	125	5
30	Plant Production, part 1 (Grain Crops)	*				30				30	60	90	150	6
31	Stock-Breeding		*			30	15				45	55	100	4
32	Fruit Production, part 1	*				15				30	45	80	125	5
33	Vegetable Production, part 1	*				15				30	45	80	125	5
34	Plant Products Quality		*			30				30	60	65	125	5
Total for the 5 semester:		4	2	0	0	150	15	0	0	150	315	435	750	30
35	Plant Production, part 2 (Industrial and Etheric Oil Crops)	*				30				30	60	90	150	6
36	Plant Protection, part 3 (Entomology)	*				30				30	60	90	150	6
37	Fruit Production, part 2	*				30				30	60	65	125	5
38	Vegetable Production, part 2	*				30				30	60	65	125	5
39	Plant Production, part 3 (Fodder Crops)		*			30				30	60	65	125	5
40	Elective Subject		*			30				15	45	55	100	4
a	Landscape and Planting													
b	Dendrology and Structure of Garden													
41	Practice - Fruit Production and Viticulture				*							30	30	1
42	Practice - Vegetable Production				*							30	30	1

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		Examination	Progressive assessment	Course project	Approved	Lectures	Seminars			Laboratories	Total load			
							Seminar exercises	Course project	Course work					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
43	Practice - Plant Protection				*							30	30	1
44	Vocational Practice - Plant Production				*							30	30	1
Total for the 6 semester:		4	2	0	4	180	0	0	0	165	345	550	895	35
45	Plant Protection, part 4 (Integrated Pest Management)	*				30				30	60	90	150	6
46	Agricultural Meliorations	*				30	15			15	60	90	150	6
47	Elective Subject	*				30				15	45	105	150	6
a	Development of Agro-technologies for Field Crops Production													
b	Energy Crops													
48	Elective Subject		*			30				15	45	105	150	6
a	Quality Assessment and Grain Storage													
b	Greenhouse Vegetable-growing													
49	Elective Subject		*			15				15	30	120	150	6
a	Precise Agriculture													
b	Physiological Ecology og Plants													
Total for the 7 semester:		3	2	0	0	135	15	0	0	90	240	510	750	30
50	Organic Farming and Agroecology	*				30				30	60	90	150	6
51	Phytopharmacy	*				15				30	45	80	125	5
52	Elective Subject		*				30				30	60	90	3
a	European Agrarian Policy													
b	European Programs in the Agrarian Sector													
53	Practical Training				*						0	200	200	8
Total for the 8 semester:		2	1	0	1	45	30	0	0	60	135	430	565	22
Totals for the whole course of education		28	14	0	11	1080	210	0	0	960	2250	3855	6105	241
Facultative Subjects														
1	Applied Mathematics		1			15	15				30	90	120	4
2	English Language - specialized, part 2		2				60				60	60	120	4
3	Corporate Management		3			30	30				60	60	120	4
4	Assessment of Agricultural Lands		4			30	15				45	45	90	3
5	Business Entrepreneurship		5			15	15				30	45	75	3
6	Labour Law		6			15	15				30	45	75	3
7	Bulgarian Language				1,2		60				60	60	120	4

Types of graduation	Semester	Unsupervised load	ECTS credits
Preparation of Diploma Thesis / Preparation for State Examination	8	300	10
Defence of Diploma Thesis / State Examination			

Note:

* The discipline "Adapted Physical Activity" is an alternative to "Specialized Sport Activities", it is studied in the second semester and is intended for students who cannot do sports for health reasons.

Approved by the Academic Board of TU-Varna:

Protocol No 22 / 28.10.2024

Modified with Protocols:

Valid from the 2024/2025 academic year.

The weekly allocation of the classes is fixed according to the "Structure of the Learning Process" Academic Board adopted for the current academic year.

Head of Department:

/ Assoc. Prof. P. Atanasova, PhD /

Dean of Faculty:

/ Assoc. Prof. R. Dimitrov, PhD /