Zał. nr 3.1. do Uchwały nr 163/05/2026 Senatu UR
z dnia 25 maja 2026 r.

GENERAL INFORMATION ABOUT THE FIELD OF STUDY

Effective from the academic year 2026/2027

1.	Field of study	**Agriculture**
2.	Level of study	**Second-cycle studies**
3.	Study profile	**General academic**
4.	Form or forms of study	**Full-time**
5.	Number of semesters	**3**
6.	Number of ECTS points necessary to complete the studies at a given level	**90**
7.	Professional title	**Master's degree**
8.	Assignment of the field of study to a field of science and a scientific or artistic discipline (specification of the percentage share in the case of assignment of the field of study to more than one discipline and indication of the leading discipline within which more than half of the learning outcomes will be achieved)	field(s) of science: agriculture sciences leading discipline - agriculture and horticulture – 100%
9.	Differences in relation to other programmes with similarly defined goals and learning outcomes, conducted at the University and assigned to the same discipline	The University does not have a field of study with similarly defined outcomes assigned to the same discipline and the same graduate profile.
10.	Description of the graduate profile including the description of general educational goals as well as employment opportunities and the possibility of continuing studies Graduates possess extensive knowledge of agricultural sciences, including issues related to agribusiness and consulting for agribusiness companies, including food processing companies, trading companies, service providers, agricultural enterprises, and others. They are able to evaluate the technologies used, the organizational and legal forms of enterprises, and conduct business negotiations and draft business plans. They also understand issues related to alternative crop production and animal husbandry, as well as issues related to local and regional development management, allowing them to actively participate in the life of rural communities. They are prepared to work on specialized farms, scientific and research institutes, research and development centers, and advisory bodies. They have a foreign language proficiency at the B2+ level of the Common European Framework of Reference for Languages, with particular emphasis on agricultural terminology. The graduate is prepared to continue their education at a doctoral school.	

11.	Language of instruction	Studies conducted in English

President of the Senate
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Prof. dr hab. Adam Reich
Rector

Zał. nr 3.2. do Uchwały nr 163/05/2026 Senatu UR
z dnia 25 maja 2026 r.

DESCRIPTION OF THE ASSUMED LEARNING OUTCOMES

Effective from the academic year: 2026/2027

Field of study	**Agriculture**
Level of study	**Second-cycle studies**
Study profile	**General academic**

The description of the assumed learning outcomes for the field of study, level, and profile of education takes into account the universal first-cycle characteristics for levels 6–7 specified in the Act of 22 December 2015 on the Integrated Qualifications System (consolidated text: Journal of Laws of 2024, item 1606) and the second-cycle characteristics for levels 6–7 specified in the Regulation of the Minister of Science and Higher Education of 14 November 2018 (Journal of Laws of 2018, item 2218) on the second-cycle characteristics of learning outcomes for qualifications at levels 6–8 of the Polish Qualifications Framework.

Symbol	Learning outcomes	Reference to the second-cycle PQF characteristics *, ** level 7
	Knowledge: the graduate knows and understands	
K_W01	in-depth knowledge in the field of e.g. exact and natural sciences necessary to understand complex relationships of processes and phenomena, dependencies and functioning of organisms as well as relationships between agricultural activity and the environment	P7S_WG
K_W02	in-depth coverage of selected topics in biology and chemistry necessary for application in agricultural sciences	P7S_WG
K_W03	in-depth principles of planning, formulating and testing hypotheses, conducting agricultural research: sampling, using measuring devices as well as analyzing and interpreting the obtained results	P7S_WG
K_W04	in-depth the importance of agrobiotechnology in agriculture and innovative technologies for the optimization of methods, techniques and technologies in plant and animal production, allowing for the use and shaping of the potential of nature in order to improve the quality of human life	P7S_WG
K_W05	in-depth the importance of biological progress as a determinant of yield and productivity growth and the participation of new plant varieties and animal breeds in shaping the efficiency of agricultural production	P7S_WG
K_W06	in-depth issues in the field of agricultural technology and shaping the natural environment, as well as its threats	P7S_WG

K_W07	in-depth the importance of actions taken for the sustainable development and protection of biodiversity in agriculture and the factors determining the functioning and development of rural areas	P7S_WG
K_W08	complex economic, legal, social and ethical conditions in relation to agriculture as a branch of the economy, including the protection of industrial property and copyright	P7S_WK
K_W09	principles of creating and developing forms of individual entrepreneurship that uses knowledge of agriculture	P7S_WK
Skills: the graduate can		
K_U01	skillfully use information from various sources, e.g. databases, agricultural publications, in Polish and a foreign language, and make an evaluation, critical analysis and creative interpretation of the obtained information using scientific language in discussions with agricultural specialists and interpretation of views presented by others during discussions regarding broadly understood agriculture	P7S_UW
K_U02	apply appropriate information technologies, information and communication techniques in the course of data collection, when performing calculations and presenting the results of agricultural research	P7S_UW
K_U03	use his/her knowledge to formulate, test hypotheses and solve research tasks and unusual problems, carry out projects and expert opinions and formulate conclusions based on data from various sources	P7S_UW
K_U04	apply appropriate techniques and technologies in agriculture and specify the determinants of optimization and agricultural progress, including economic ones, as well as use appropriate research methods, including instrumental analyses to improve the quality of human life	P7S_UW
K_U05	communicate and debate on specialist topics with diverse audiences in agricultural sciences, also in a foreign language, prepare a written paper and an oral presentation on agriculture in Polish and a foreign language at the B2 + level of the Common European Framework of Reference for Languages	P7S_UK
K_U06	independently and as a team leader, analyze problems affecting food production and quality, human and animal health, the condition of the natural environment and natural resources	P7S_UO
K_U07	independently plan and implement one's own lifelong learning as well as direct others to further education and learning	P7S_UU
Social competences: the graduate is ready to		
K_K01	critical evaluation of the knowledge and content received in the field of agricultural sciences	P7S_KK

K_K02	recognition of the importance of expert knowledge and opinions in the event of difficulties in solving unusual problems on his/her own in the field of agricultural sciences	P7S_KK
K_K03	taking action and fulfilling social obligations for the benefit of the social environment and the public interest, as well as thinking and acting in an entrepreneurial manner	P7S_KO
K_K04	responsible performance of professional roles, including the development of professional achievements, as well as compliance and development of the rules of professional ethics, and actions for the observance of these rules	P7S_KR

* In the case of implementing a study programme leading to the acquisition of engineering competences, in addition to references to the learning outcome characteristics from Part I of the annex, references to the learning outcome characteristics from Part III should be included, ending with the designation (Inż), e.g., P6S_WG (Inż)

** In the case of a field of study assigned to the field of arts, in addition to references to the learning outcome characteristics from Part I of the annex, references to the learning outcome characteristics from Part II should be included, ending with the designation (Sz), e.g., P6S_WG (Sz)

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Zał. nr 3.3. do Uchwały nr 163/05/2026 Senatu UR
z dnia 25 maja 2026 r.

CHARACTERISTICS AND CONDITIONS FOR THE IMPLEMENTATION OF THE STUDY PROGRAMME

Effective from the academic year: 2026/2027

<table>
<tr><td colspan="2">Field of study</td><td colspan="2">Agriculture</td></tr>
<tr><td colspan="2">Level of study</td><td colspan="2">Second-cycle studies</td></tr>
<tr><td colspan="2">Study profile</td><td colspan="2">General academic</td></tr>
<tr><td rowspan="2">1.</td><td rowspan="2">Total number of teaching hours</td><td>full-time studies</td><td>part-time studies</td></tr>
<tr><td>900</td><td>-</td></tr>
<tr><td>2.</td><td>Number of ECTS points for individual disciplines in the total number of ECTS points required to complete the studies in the field</td><td colspan="2">agriculture and horticulture - 90</td></tr>
<tr><td rowspan="2">3.</td><td rowspan="2">Total number of ECTS points that a student must obtain as part of classes conducted with the direct participation of academic teachers or other persons conducting classes</td><td>full-time studies</td><td>part-time studies</td></tr>
<tr><td>46</td><td>-</td></tr>
<tr><td>4.</td><td>Number of ECTS points that a student must obtain within classes in the field of humanities or social sciences, not less than 5 ECTS points – in the case of fields of study assigned to disciplines within fields other than humanities or social sciences respectively</td><td colspan="2">7</td></tr>
<tr><td>5.</td><td>Number of ECTS points that a student must obtain within elective classes (not less than 30% of the total number of ECTS points)</td><td colspan="2">69</td></tr>
<tr><td>6.</td><td>Number of physical education hours (in the case of first-cycle studies and long-cycle Master's studies conducted in the form of full-time studies)</td><td colspan="2">-</td></tr>
<tr><td>7.</td><td>Total number of ECTS points assigned to classes shaping practical skills – concerns the practical profile</td><td colspan="2">-</td></tr>
<tr><td>8.</td><td>Total number of ECTS points assigned to classes related to scientific activity in the discipline or disciplines to which the field of study is assigned, including the preparation of students for conducting scientific activity or participation in this activity – concerns the general academic profile</td><td colspan="2">72</td></tr>
</table>

9.	Extent, rules, and forms of professional internships and the number of ECTS points assigned to internships	-
10.	Description of methods for verification and assessment of learning outcomes achieved by the student throughout the entire education cycle	Various assessment methods have been selected for all learning outcomes defined in the curriculum, as outlined in the syllabus. The most frequently used methods include written examinations, quizzes, presentations, project preparation, and assessment of in-class participation. Assessment of learning outcomes is conducted on an ongoing basis during classes and during the final assessment. Key learning outcomes are assessed and verified during the seminar, master's workshop, thesis, and the final exam.
11.	Conditions for graduation	The condition for completing studies is to achieve the learning outcomes specified in the study program and 90 ECTS points, submit a diploma thesis and pass the diploma examination.

Conditions for the implementation of the study programme

No.	Subjects or groups of subjects *	Learning outcomes assigned to subjects/groups of subjects	Number of hours		Assessment form	Number of ECTS points
			full-time studies	part-time studies		
Basic subject group						
1.	Agrophysics	K_W01, K_W04, K_U01, K_U04, K_U06, K_K01, K_K02	35		E	3
2.	Ecophilosophy	K_W06, K_W08, K_U05, K_U06, K_U07, K_K03	28		ZO	2
3.	Laboratory of Instrumental Analyses	K_W03, K_U01, K_U04, K_U05, K_U06, K_U07, K_K02	30		ZO	3
4.	University-wide Subject		30		Z	2
5.	Foreign Language	K_U05, K_U06, K_U07, K_K02	60		E	4
			Σ 183	Σ		**Σ 14**
Major subject group						
6.	Management of the Environment	K_W04, K_W06, K_U02, K_U03, K_U06, K_U07, K_K03	28		E	3

7.	Experimental Design in Agriculture	K_W03, K_U03, K_U04, K_K01, K_K04	43		E	3
8.	Biological Progress in Plant Production	K_W05, K_W07, K_U02, K_U05, K_U06, K_K04	43		E	3
9.	Agrobiotechnology	K_W04, K_W07, K_U04, K_U05, K_U06, K_U07, K_K03	28		ZO	2
10.	Plant in Vitro Cultures	K_W02, K_W04, K_W05, K_U01, K_U04, K_U06, K_K01	28		E	2
			Σ 170	Σ		**Σ 13**
Elective major subject group/ specialty/ educational path in the field of **Agronomy with Agribusiness**						
11.	Innovations in Plant Protection	K_W04, K_U02, K_U04, K_U06, K_U07, K_K04	41		ZO	3
12.	Innovations in Plant Production	K_W04, K_W06, K_U01, K_U04, K_U05, K_K01, K_K04	41		ZO	4
13.	Trade and Services in Agribusiness	K_W08, K_W09 K_U01, K_U02, K_U04, K_K03	41		E	3
14.	Agriculture Systems	K_W04, K_U04, K_K04	41		ZO	3
15.	The Structural Funds for Rural Areas	K_W07, K_W08, K_U01, K_U04, K_K02	39		E	3
16.	Manufacturing Engineering Herbal Products	K_W08, K_U02, K_U06, K_U07, K_K03	27		ZO	2
17.	Innovations in Animal Production	K_W04, K_W05, K_W07, K_U04, K_U07, K_K04	54		E	3
18.	Innovations in Agricultural Engineering	K_W04, K_W06, K_U04, K_U05, K_K04	27		ZO	2
19.	Reproduction and Marketing of Seed	K_W03, K_W07, K_U03, K_U04, K_K01, K_K04	41		ZO	3
20.	Energy Crops	K_W04, K_U02, K_U03, K_K03	44		ZO	3
21.	Agricultural Accounting Systems in Poland (FSDN)	K_W08, K_U04, K_K01,	41		E	3
22.	Elective Module	K_W04, K_W05, K_W06, K_W07, K_U01, K_U04, K_K01, K_K03, K_K04	10		ZO	1

23.	Master's Laboratory	K_W03, K_W08, K_U01, K_U03, K_U04, K_U05, K_U06, K_U07, K_K01, K_K04	50		Z	17
24.	Master's Seminar	K_W03, K_W08, K_U01, K_U02, K_U05, K_U06, K_U07, K_K01, K_K02, K_K03, K_K04	50		ZO	13
			Σ547	Σ		**Σ63**
Total (the sum includes subjects for one specialty/ one educational path)			**Σ900**	Σ		**Σ90**
Elective major subject group/ specialty/ educational path in the field of **Shaping the Agricultural Production Space**						
25.	Delimitation of Agricultural Production Areas	K_W07, K_W08, K_U04, K_K01	42		ZO	3
26.	Entrepreneurship in Agriculture	K_W08, K_W09, K_U04, K_U07, K_K01	42		ZO	3
27.	Landscaping	K_W04, K_W06, K_U04, K_K02, K_K03	50		ZO	4
28.	Chemical Contamination of the Agricultural Environment	K_W06, K_U04, K_K01, K_K03	50		E	4
29.	Water Management for Soils and Crops	K_W01, K_W03, K_U04, K_K01	43		E	3
30.	Optimisation of Livestock Production	K_W04, K_W07, K_U03, K_U04, K_U07, K_K04	52		ZO	4
31.	Alternative Crops	K_W05, K_W07, K_U04, K_K01	32		ZO	2
32.	The Topography in the Shaping of Agricultural Production Areas	K_W06, K_W07, K_U01, K_U03, K_K01, K_K04	42		E	3
33.	Environmental Management in the Agricultural Landscape	K_W08, K_W09, K_U04, K_K04,	42		ZO	3
34.	Phytosociology and the Fundamentals of Agricultural Landscape Valuation	K_W02, K_W06, K_W07, K_U02, K_U03, K_U05, K_U06, K_K02	42		E	3
35.	Elective Module	K_W01, K_W04, K_W05, K_W08, K_W09, K_U01, K_U02, K_U03, K_U04, K_U07, K_K01, K_K02, K_K03, K_K04	10		ZO	1

36.	Master's Laboratory	K_W03, K_W08, K_U01, K_U03, K_U04, K_U05, K_U06, K_U07, K_K01, K_K04	50		Z	17
37.	Master's Seminar	K_W03, K_W08, K_U01, K_U02, K_U05, K_U06, K_U07, K_K01, K_K02, K_K03, K_K04	50		ZO	13
			Σ 547	Σ		**Σ 63**
Total (the total includes subjects for one specialty/ one educational path)			**Σ 900**	Σ		**Σ 90**
Professional Internship			-			-
Total:			**Σ900**	Σ		**Σ90**

Description of the course of study including the sequence of subjects, rules for choosing elective subjects, and rules for implementing educational paths:

Students choose a specialization in the first semester of their studies. They must complete a set of core and core subjects, as well as a selected foreign language, over the course of three semesters. In the second semester, they decide on an elective course within each specialization. A list of elective courses, approved by the Faculty Council, is included in the study schedule. The Master's seminar takes place over three semesters at the student's chosen unit, where the student selects a supervisor and a thesis topic. The seminar includes content related to intellectual property protection. Passing the seminar in the final semester requires submitting a completed thesis verified by the anti-plagiarism system. The Master's laboratory takes place in the final two semesters. Regardless of the specialization chosen, the program of study allows students to achieve all the learning outcomes expected for the program. Students are prepared to continue their education at the doctoral school. Students are required to complete occupational health and safety training and library training as specified by the University.

President of the Senate
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