Appendix No. 1.5 to the Resolution No. 61/2025
of the Rector of the University of Rzeszów

SYLLABUS

REGARDING THE QUALIFICATION CYCLE FROM 2026/2027 TO 2029/2030
ACADEMIC YEAR 2028/2029

1. BASIC COURSE/MODULE INFORMATION

Course/Module title	**Basic of Organic Farming**
Course/Module code *	
Faculty (name of the unit offering the field of study)	Faculty of Technology and Life Sciences
Name of the unit running the course	Institute of Agricultural Sciences, Environment Management and Protection; Department of Crop Production
Field of study	Agriculture
Qualification level	Bachelor's degree in engineering
Profile	academic profile
Study mode	full-time studies
Year and semester of studies	3rd year, 6th semester
Course type	specialization course/ Agronomy with Agribusiness
Language of instruction	English
Coordinator	dr hab. Marta Jańczak – Pieniążek, prof. UR
Course instructor	dr hab. Marta Jańczak – Pieniążek, prof. UR

* - as agreed at the faculty

1.1. Learning format – number of hours and ECTS credits

Semester (no.)	Lectures	Classes	Laboratories	Seminars	Practical classes	Internships	others	**ECTS credits**
6	15		15					3

1.2. Course delivery methods

x- conducted in a traditional way
- involving distance education methods and techniques

1.3. Course/Module assessment

pass with a grade

2. PREREQUISITES

Environmental Protection, Agroecology, General Soil and Plant Cultivation, Crop Production

3. OBJECTIVES, LEARNING OUTCOMES, COURSE CONTENT, AND INSTRUCTIONAL METHODS

3.1. Course/Module objectives

O1	To familiarise students with the objectives of organic farming, including producing high-quality, nutritious food that contributes to disease prevention and overall well-being.
O2	To familiarize students with the basic principles of organic farming, including agricultural production, processing, distribution, and consumption.
O3	To familiarize students with the possibilities of maintaining and enhancing the health of ecosystems and organisms.

3.2. COURSE/MODULE LEARNING OUTCOMES

Learning Outcome	The description of the learning outcome defined for the course/module	Relation to the degree programme outcomes
LO_01	The student knows and understands the components of the natural environment in the context of sustainable development that determine organic agricultural production.	K_W08
LO_02	The student knows and understands the importance of organic farming in shaping, maintaining, and protecting biodiversity.	K_W09
LO_03	The student can predict the consequences of intensive management of agricultural environmental resources and propose alternative, environmentally friendly solutions.	K_U03, K_U04
LO_04	The student can develop plans for implementing organic farming practices to preserve the natural values of the environment.	K_U09
LO_05	The student undertakes activities aimed at producing high-quality food, ensuring animal welfare, and protecting the natural environment.	K_K01
LO_06	The student is open to the expectations placed on farms operating in a free-market economy based on the principles of sustainable development.	K_K01

3.3. Course content

A. Lectures

Content outline
Introduction to organic farming. The concept, definitions, and development of organic farming in Poland and worldwide. Differences between conventional, integrated, and organic farming.
Legal foundations of organic farming. EU regulations, the control and certification system for organic products. Financial support for organic farming.
Soil and soil fertility in organic farming. Organic matter cycling, humus, and the principles of fertilization.
Crop production in organic farming.

Selection of species and varieties in organic production. Traditional species, varieties, and breeds.
Organization of production on an organic farm. Natural, economic, and social conditions. Organic farming as an element of sustainable development.
Quality and safety of organic food. Characteristics of organic products, traceability systems, labelling, and the organic food market.

B. Laboratories

Content outline
Procedure for converting a farm to organic production. Registration, documentation, the conversion period, and analysis of formal requirements.
Plant protection in organic farming systems. Methods of controlling weeds, pests, and diseases – case study analysis.
Fertilizer management in organic farming. Organic matter balance, fertilization planning, and selection of permitted fertilizers.
Fundamentals of livestock production on an organic farm. Animal welfare, stocking density, feeding, documentation, and compliance analysis.
Grassland and pasture management on an organic farm.
Specialized production on an organic farm. Management of a small-scale apiary in accordance with the principles of organic farming. Harvesting and use of wild-growing herbs on an organic farm.
Conceptual design of an organic farm.

3.4. Methods of Instruction

Lecture: a lecture supported by a multimedia presentation
Laboratories: text analysis and discussion, case study, discussion

4. Assessment techniques and criteria
4.1 Methods of evaluating learning outcomes

Learning outcome	Methods of assessment of learning outcomes (e.g. test, oral exam, written exam, project, report, observation during classes)	Learning format (lectures, classes…)
LO-01	assessment	lectures
LO-02	assessment	lectures
LO-03	written test, observation during classes	laboratories
LO-04	written test, project	laboratories
LO-05	written test	lectures, laboratories
LO-06	written test	lectures, laboratories

4.2 Course assessment criteria

Laboratories: graded assessment; written test, project, and class participation. Lectures: assessment. A prerequisite for passing the course is the achievement of all intended learning outcomes.

A positive final grade is determined by the number of points obtained (more than 50% of the maximum number of points): satisfactory (3.0): 51–60%; satisfactory plus (3.5): 61–70%; good (4.0): 71–80%; good plus (4.5): 81–90%; very good (5.0): 91–100%.

5. Total student workload needed to achieve the intended learning outcomes – number of hours and ECTS credits

Activity	Number of hours
Course hours	30
Other contact hours involving the teacher (consultation hours, examinations)	5
Non-contact hours - student's own work (preparation for classes or examinations, projects, etc.)	40
Total number of hours	75
Total number of ECTS credits	3

* One ECTS point corresponds to 25-30 hours of total student workload

6. Internships related to the course/module

Number of hours	
Internship regulations and procedures	

7. Instructional materials

Compulsory literature: materials provided by the teacher and online resources on the topics covered
Complementary literature: online resources on the topics covered

Approved by the Head of the Department or an authorised person