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

SYLLABUS

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

1. BASIC COURSE/MODULE INFORMATION

Course/Module title	**Engineer's Seminar**
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, Environmental Protection, and Management
Field of study	Agriculture
Qualification level	first-cycle studies
Profile	general academic
Study mode	stationary
Year and semester of studies	Year 3, Semester 6 / Year 4, Semester 7
Course type	Specialization course / Agronomy with Agribusiness
Language of instruction	English
Coordinator	Head of the Agriculture Programme
Course instructor	Staff of the Faculty of Technology and Life Sciences

* - 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				30				3
7				30				18

1.2. Course delivery methods
x conducted in a traditional way
- involving distance education methods and techniques

1.3. Course/Module assessment (exam, pass with a grade, pass without a grade)
pass without a grade

2. PREREQUISITES

Courses completed in accordance with the study program for the first and second years of the Agriculture degree program.

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

3.1. Course/Module objectives

O1	Imparting knowledge on methods for gathering scientific information and utilizing scientific literature, as well as preparing and writing scientific papers with due regard for copyright and intellectual property rights.
O2	Explaining the principles of research planning and the appropriate selection of methods and materials used in agriculture.
O3	Fostering awareness of the social and professional responsibility for the current state and shaping of the agricultural environment.
O4	Strengthening the sense of responsibility for preparing for one's societal role associated with professional practice.

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	knows methods for obtaining the latest scientific information relevant to the engineering thesis being prepared	K_W01
LO_02	understands the statistics and methodology involved in preparing and writing an engineering thesis, while respecting the copyright of the scientific literature used	K_W04, K_W07
LO_03	possesses theoretical and practical knowledge in the field of agricultural sciences	K_W08, K_W09
LO_04	is able to formulate conclusions based on data collected, observations made, and analyses performed within the chosen specialization	K_U01, K_U02
LO_05	is able to use statistical methods to analyze data collected during the preparation of the engineering thesis	K_U03, K_U04
LO_06	is able to utilize scientific literature and employ specialized terminology related to the subject matter of the engineering thesis	K_U06, K_U08
LO_07	is prepared to engage in continuous learning and to study scientific literature, particularly regarding the subject matter of the engineering thesis	K_K01, K_K03
LO_08	is prepared for professional self-improvement	K_K04

3.3. Course content

A. Seminar topics

Content outline
Semester 6
Discussion of engineering thesis topics selected by students
Guidelines for writing the engineering thesis
Methodology of laboratory and field research
Preparation and presentation by students of topics covered in the diploma examination
Semester 7
Principles of statistical analysis of research results
Guidelines for presenting research results and statistical analyses
Proper interpretation of results, discussion, and correct drawing of conclusions

3.4. Methods of Instruction

Seminar: group and individual work on assigned tasks, problem-solving, preparation of presentations, text analysis and 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	CONTINUOUS OBSERVATION DURING CLASSES	SEMINAR
LO-02	CONTINUOUS OBSERVATION DURING CLASSES	SEMINAR
LO-03	PRESENTATIONS, CONTINUOUS OBSERVATION DURING CLASSES	SEMINAR
LO-04	PRESENTATIONS, CONTINUOUS OBSERVATION DURING CLASSES	SEMINAR
LO-05	PRESENTATIONS, CONTINUOUS OBSERVATION DURING CLASSES	SEMINAR
LO-06	PRESENTATIONS, CONTINUOUS OBSERVATION DURING CLASSES	SEMINAR
LO-07	CONTINUOUS OBSERVATION DURING CLASSES	SEMINAR
LO-08	CONTINUOUS OBSERVATION DURING CLASSES	SEMINAR

4.2 Course assessment criteria

Seminar: pass without a grade Semester 6: based on a presentation reviewing the relevant literature and outlining the current state of knowledge regarding the thesis topic, as well as a presentation of selected issues covered in the final examination.

Semester 7: based on a presentation of research findings and the submission of the thesis, which must have received a positive verification in the anti-plagiarism system. To receive credit for the course, all defined learning outcomes must be achieved.

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

Activity	Number of hours
Course hours	60
Other contact hours involving the teacher (consultation hours, examinations)	participation in consultations – 40
Non-contact hours - student's own work (preparation for classes or examinations, projects, etc.)	preparation of the presentation – 94 preparation and review of literature – 110 development of the project concept and experimental setup – 35 measurements and observations during experiments – 60 preparation of the thesis – 136
Total number of hours	535
Total number of ECTS credits	21

* 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