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 2026/2027

1. BASIC COURSE/MODULE INFORMATION

Course/Module title	**Information Technology**
Course/Module code *	
Faculty (name of the unit offering the field of study)	Faculty of Technology and Natural Sciences
Name of the unit running the course	Institute of Agricultural Sciences, Environmental Protection, and Management Department of Food and Agriculture Production Engineering
Field of study	Agriculture
Qualification level	first-cycle studies
Profile	general academic
Study mode	full-time studies
Year and semester of studies	Year 1; semester 1
Course type	general course
Language of instruction	English
Coordinator	EngD Piotr Molenda
Course instructor	EngD Piotr Molenda

* - 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**
1			20					2

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)

2. PREREQUISITES

Basic knowledge of information technology covered by the secondary school curriculum.

3. Objectives, Learning Outcomes, Course Content, and Instructional Methods

3.1. Course/Module objectives

C1	Familiarize students with computer hardware and software used to create, transmit and present information.
C2	Develop the ability to independently select IT tools and methods for practical task performance and problem solving and prepare students for conscious participation in the information society.

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
EK_01	Can edit and manage documents; can operate and use databases, use the Internet and search for information.	K_U01
EK_02	Is able to use and design spreadsheets and to use and create presentations.	K_U01
EK_03	Is ready to continuously improve their work methods.	K_K01

3.3. Course content

A. Laboratories

Content outline
Word processing. Working with documents. Teamwork. Using a word processor to integrate with local and remote databases: embedding, linking and creating dynamic fields. Using field codes and selected Visual Basic commands to integrate with databases. Using logical operators to search databases. Document management in a social and business environment.
Spreadsheets: Basics of working with spreadsheets in Excel. Rules and functions: relative and absolute cell references, 3-D references. Data manipulation: sorting, advanced queries and data filters. Functions: basic, logical IF, date and time, statistical, lookup and database functions. Graphical presentation of results: charts and editing. PivotTables and PivotCharts.
Computer networks and the Internet: databases.

3.4. Methods of Instruction

Laboratories - work in a computer laboratory.

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…)
EK_01	TEST	CLASSES
EK_02	TEST	CLASSES

EK_ 03	OBSERVATION OF TASK PERFORMANCE	CLASSES

4.2 Course assessment criteria

Laboratories: pass with a grade based on the test results and assessment of the student's activity during classes. Passing the classes requires achievement of all intended learning outcomes. A positive course grade is determined by the number of points obtained (>50% of the maximum number of points): satisfactory 51-60%, satisfactory plus 61-70%, good 71-80%, good plus 8190%, very good 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	20
Other contact hours involving the teacher (consultation hours, examinations)	2
Non-contact hours - student's own work (preparation for classes or examinations, projects, etc.)	30
Total number of hours	52
Total number of ECTS credits	2

* 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