**Appendix No.9 to the Regulations of participation in the project and participation in the paid professional internships**

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University stamp

**INTERNSHIP PROGRAMME**

**A. Extract from the educational outcomes in the field of - AGRICULTURAL ENGINEERING,   
2nd degree (M.Sc.)**

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| ***PROFESSIONAL KNOWLEDGE (PK)*** |
| extended knowledge of mathematical and IT sciences to solve complex biosystems engineering tasks |
| advanced legal and economic knowledge concerning: plant and animal protection, the use of microorganisms for food production, water law, geological and agricultural law, genetically modified organisms and vocational counselling |
| knowledge of the rules of solving design problems in complex agricultural systems |
| the ability to explain technical, technological, economic and social aspects of process automation in various areas of agriculture |
| knowledge of the construction and functioning of mechatronic structures |
| knowledge of the available tools supporting the creation, solving and analysis of computational models of complex technical systems |
| knowledge of materials and technical means of production used in agricultural, horticultural and fruit production technologies and in municipal engineering |
| knowledge of the domestic market of farming machinery and equipment |
| knowledge of tools supporting computer designing of technical facilities in agriculture and their potential application |
| the ability to characterise operational research methods in the decision-making process in organisation and management |
| knowledge of the principles of operation and phenomena occurring in diagnostic devices used to overhaul farming machinery and equipment |
| extensive knowledge enabling the identification and definition of new threats to the natural environment and to analyse the possibilities to apply environmental protection methods and systems |
| extensive knowledge of the state and comprehensive operation of the determinants affecting the development and functioning of rural areas |
| knowledge of the methods supporting quality management and areas of their application in agriculture |
| detailed knowledge of systems, techniques and methods supporting entrepreneurship to analyse problems related with the organisation of one’s business activity and offering employment |
| ***PROFESSIONAL SKILLS (PS)*** |
| analysis and synthesis of information contained in numerical datasets – statistical data, describing social, economic and natural phenomena |
| the ability to search for and apply legal acts, the ability to analyse the strength of constructions and create MES calculation models by means of computer programs |
| the ability to use CAD tools for computer designing of technical facilities based on the standards and dependencies of engineering graphics and the fundamentals of machine construction |
| the ability to use advanced IT systems to acquire and process information |
| the ability to solve complex problems in the designing of automation systems in heating, ventilation, refrigeration and air conditioning  the ability to select technical equipment and organise work on a farm, in a garden and orchard |
| the ability to analyse the formal correctness of research works and assess their usefulness for agriculture |
| the ability to analyse the construction and functioning of selected solutions in mechatronic structures |
| the ability to interpret and assess phenomena occurring in the natural environment |
| the ability to create elements of project plans, supported by information technology, in selected aspects of plant production and its agronomic, technical and economic conditions |
| the ability to use diagnostic systems to assess the technical condition of farming machinery and equipment |
| the ability to perceive and precisely formulate tasks and to create a logical algorithm of their solutions, which are implemented using the acquired information and one’s own ideas |
| the ability to present a solved task, actively participate in a substantive discussion, be open to other people’s arguments and implement them |
| the ability to identify, analyse and assess new threats to the environment, their state and effects |
| the ability to solve multi-criteria problems with tools which support decision making in uncertainty and risk |
| the ability to design and implement quality management systems |
| the ability to identify and make an independent and comprehensive analysis of the factors stimulating and determining entrepreneurship in agricultural technology and the environment |
| the ability to design the pathway of one’s individual career development in an enterprise |
| the ability to plan and develop technical infrastructure in rural areas |
| extended linguistic competence in biosystems engineering according to the standards of level B2+, as specified in the Common European Framework of Reference for Languages |
| ***SOCIAL SKILLS (SS)*** |
| awareness of the need of targeted education and improvement of one’s occupational knowledge |
| thinking and acting creatively as an individual or a team member |
| determination to change the living conditions of people and animals in rural areas |
| assertiveness and anticipation of events |
| awareness of the need to continuously protect the natural environment |
| substantive preparation to function in a community and to undertake various forms of cooperation as an entrepreneur |

**B. Personal data of the Intern and Employer**

|  |  |
| --- | --- |
| NAME AND SURNAME OF THE INTERN | ………………………………………………………………………………………………….… |
| NAME OF THE EMPLOYER | ………………………………………………………………………………………………….… |
| INTERNSHIP LOCATION | ………………………………………………………………………………………………….…  *(address of the company / institution headquarters / branch)* |
| ASSIGNED INTERSHIP SUPERVISOR | ………………………………………………………………………………………………….… *(Name and surname, position)*  ………………………………………………………………………………………………….… *(phone number, email)* |

**C. Information about the internship**

|  |  |  |  |
| --- | --- | --- | --- |
| INTERNSHIP PERIOD[[1]](#footnote-1)1 | **from:** | *dd-mm-yyyy* | |
| **to:** | *dd-mm-yyyy* | |
| WORK TIMETABLE[[2]](#footnote-2)2 | Scheduled working hours: | |  |
| Scheduled number of internship hours daily: | |  |
| Days of the week, when the internship is done: | |  |
| TOTAL NUMBER OF INTERNSHIP HOURS | **240 hours** | | |
| NAME OF THE PROFESSION OR SPECIALISATION | ………………………………………………………………………………………………….… | | |
| SCOPE OF ACTIVITIES PERFORMED DURING THE INTERNSHIP | ………………………………………………………………………………………………………  ………………………………………………………………………………………………………  ………………………………………………………………………………………………………  ………………………………………………………………………………………………………  ………………………………………………………………………………………………………  ……………………………………………………………………………………………………… | | |
| **PROFESSIONAL KNOWLEDGE** REQUIRED DURING THE RELATION  *(based on the Extract from the educational outcomes in the field of Agricultural Engineering – in part A, PK)* | ………………………………………………………………………………………………………  ………………………………………………………………………………………………………  ………………………………………………………………………………………………………  ………………………………………………………………………………………………………  ……………………………………………………………………………………………………… | | |
| **PROFESSIONAL SKILLS** REQUIRED DURING THE INTERNSHIP  *(based on the Extract from the educational outcomes in the field of Agriculture – in part A, PS)* | ………………………………………………………………………………………………………  ………………………………………………………………………………………………………  ………………………………………………………………………………………………………  ………………………………………………………………………………………………………  ……………………………………………………………………………………………………… | | |
| **SOCIAL SKILLS** REQUIRED DURING THE INTERNSHIP  *(based on the Extract from the educational outcomes in the field of Agriculture – in part A, SS)* | ………………………………………………………………………………………………………  ………………………………………………………………………………………………………  ………………………………………………………………………………………………………  ………………………………………………………………………………………………………  ……………………………………………………………………………………………………… | | |

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| --- | --- | --- |
| *……………………………………………………*  *SIGNATURE OF THE INTERNEE* | *……………………………………………………*  *SIGNATURE OF THE EMPLOYER* | *……………………………………………………*  *SIGNATURE OF THE INTERNSHIP ORGANISER (UNIVERSITY)* |

1. 1The internship has to take place between November 1, 2018 and October 31, 2020. [↑](#footnote-ref-1)
2. 2The internship has to match the following timetable: maximum 8 hours daily and 40 hours weekly; minimum 20 hours weekly. [↑](#footnote-ref-2)