**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**

1. **Extract from the educational outcomes in the field of – BIOTECHNOLOGY, 2nd degree (M.Sc.)**

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| ***PROFESSIONAL KNOWLEDGE (PK)*** |
| Knows the techniques and tools applied in the natural phenomena and processes research |
| Knows the rules of research planning based on the knowledge about communication and expression mechanisms of genetic information. |
| Knows the rules of cultivating cell and tissue cultures |
| Knows the methods and rules in the design and implementation of genetic modifications |
| Has in-depth knowledge about the potential and range of biotechnology application |
| Is able to plan and execute the analysis and processes in biotechnology research |
| Has in-depth knowledge about the environmental aspects of biotechnology |
| Knows and understands the possible application of organisms’ biodiversity in biotechnology  |
| Knows the unit processes in biotechnology |
| Has knowledge about kinetics, thermodynamics and catalysis of biotechnological processes |
| Has in-depth knowledge about the design and operation of technical systems applied in biotechnology |
| Knows the legal, social and economical aspects associated with the creation and operation of biotechnological companies |
| Has knowledge about the management, including the quality management and running business |
| Knows the protection rules of intellectual property and copyright |
| Has knowledge about the currently selected problems in the field of biotechnology, debated in the literature  |
| ***PROFESSIONAL SKILLS (PS)*** |
| Is able to search for, critically analyse and interpret the information from the literature, databases and other sources related to biotechnology |
| *Fluently applies the scientific literature concerning the issues of selected areas of biotechnology and is able to take a discussion on this subject with experts from various fields, also in English* |
| Is able to prepare and present an oral presentation in Polish and foreign languages ​​on the issues relating to biotechnology |
| Has the language skills in the fields and disciplines of studies related to biotechnology, in accordance with the requirements specified for B2+ level in the Common European Framework of Reference for Languages |
| Plans and executes the research tasks or expertise supervised by an academic supervisor |
| Is able to independently identify and analyse the phenomena and processes applied in biotechnology and the factors influencing their course |
| Is able to select appropriate methods, techniques, technologies, tools and materials to allow for the implementation of tasks in the field of biotechnology |
| Is able to obtain the biological material, select the appropriate research methods in order to analyse and interpret the results |
| Knows how to integrate knowledge from different sources and areas in solving tasks in the field of biotechnology |
| Is able to assess the advantages and disadvantages of taken actions, including their originality and investment as well as operating costs |
| Is able to design and implement a measuring device, individual operation or analytical method in accordance with the provided specification  |
| ***SOCIAL SKILLS (SS)*** |
| Understands the need for learning throughout life, is able to inspire and organise the learning process of others |
| Is aware of the rapid development of biotechnology, understands the need for continuous updating its professional qualifications. Is able to evaluate the information disseminated in the media demonstrating the requisite scepticism, is able to interact and work in a group, taking on different roles, including a leader role |
| Is able to properly determine priorities to implement a task specified by itself or others |
| Correctly identifies and resolves dilemmas related to the profession |
| Is aware of ethical and social responsibility for the consequences of its actions in the field of biotechnology |
| Is aware of the risks and the ability to assess the influence of operations, including personal, co-workers and environment safety threats |
| Shows creativity, is able to think and act in an entrepreneurial way |

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

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| --- | --- |
| 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 Biotechnology – in part A, PK)* | ……………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………… |
| **PROFESSIONAL SKILLS** REQUIRED DURING THE INTERNSHIP*(based on the Extract from the educational outcomes in the field of Biotechnology – in part A, PS)* | ……………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………… |
| **SOCIAL SKILLS** REQUIRED DURING THE INTERNSHIP*(based on the Extract from the educational outcomes in the field of Biotechnology – 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)