



SZKOŁA GŁÓWNA
GOSPODARSTWA
WIEJSKIEGO

Study programme

Management

| | |
|---------------------------|---------------------------------|
| Faculty: | Faculty of Economics |
| Level of study: | first cycle (bachelor's degree) |
| Education profile: | General academic |
| Form of study: | full-time studies |
| Academic year: | 2026/27 |

Table of contents

| | |
|---|----|
| Basic information | 3 |
| Major characteristics | 4 |
| Learning outcomes | 6 |
| Study plan | 8 |
| Description of the learning outcomes assigned to the subjects and the curriculum content ensuring the achievement of these outcomes | 17 |
| Programme indicators | 61 |

Basic information

| | |
|--|---------------------------------|
| Faculty name: | Faculty of Economics |
| Major name: | Management |
| Level of study: | first cycle (bachelor's degree) |
| Profile of study: | General academic |
| Form of study: | full-time studies |
| Duration of studies (number of semesters): | 6 |
| Number of ECTS required to complete the studies: | 180 |
| The number of ECTS points a student obtains during classes conducted with the direct participation of academic teachers or other persons conducting classes: | 90,4 |
| Professional title awarded to graduates: | licencjat |
| ISCED code: | 0413 |
| Language of study: | english |

Assigning the major to the fields and disciplines to which the learning outcomes relate

| | |
|--------------------------------|------|
| Management science and quality | 100% |
|--------------------------------|------|

Major characteristics

Major characteristics

The concept and objectives of the **Management** program, a general academic undergraduate program, stem directly from the education quality policy and the adopted strategy of the Warsaw University of Life Sciences (SGGW) and the strategic goals set therein. The mission of the Warsaw University of Life Sciences (SGGW) is to serve the intellectual, social, and economic development of Polish society and the international community, with particular emphasis on the sustainable development of rural areas, the food economy, and the broadly understood natural environment (Warsaw University of Life Sciences Strategy 2030). The stated goal is to conduct top-quality research, education, and implementation activities that contribute to sustainable development and minimize the negative impacts of future events, including climate change.

The Warsaw University of Life Sciences (SGGW) intends to achieve these strategic objectives by implementing five closely interconnected areas of strategic action, encompassing the following strategic goals: high-quality research, high-quality education, effective international cooperation, effective cooperation with the socio-economic environment, a strong economic position, efficient administration, and modern infrastructure – "Campus 2030."

The **Management** major focuses on the functioning and development of organizations in a changing socio-economic environment, with particular emphasis on decision-making processes, resource management and building a competitive advantage.

Learning objectives

The aim of the **Management** program is for students to acquire thorough theoretical and practical knowledge in management and quality sciences, as well as related disciplines related to the nature, regularities, and challenges of organizational functioning—enterprises and public institutions—as well as the ability to recognize, diagnose, and solve problems related to the management of human, material, financial, and information resources.

Students learn to diagnose organizational problems, analyze data, assess business situations, and make effective management decisions, both operationally and strategically. The curriculum develops skills in planning, organizing, motivating, and controlling processes in enterprises and institutions, including project management, team management, and change management.

Students acquire communication, teamwork, negotiation, and leadership skills, and develop ethical awareness and responsibility in managerial actions.

Education concept

The educational concept in the **Management** program enables undergraduate students to learn and understand, among other things: the theoretical foundations of relationships between social structures and institutions, particularly between enterprises, organizations, and households, on a national and international scale; the principles of human action as a constituent entity of an enterprise and organization and functioning within them; methods and tools, including data acquisition techniques, specific to economic sciences, particularly management, enabling the description of economic entities and the processes regulating their functioning; the norms and principles (organizational, legal, moral, and ethical) governing the functioning of economic entities (enterprises, organizations, and households), including, crucial for management, the basic concepts and principles of industrial property protection and copyright; and the principles of creating and developing various forms of entrepreneurship, including the creation and management of start-ups.

The **Management** program is based on the idea of integrating theoretical knowledge with practical managerial skills, emphasizing the development of analytical, decision-making, and interpersonal competencies. The program's philosophy assumes that graduates should be prepared to make effective decisions in a dynamic organizational environment and to act creatively and responsibly in the economic and social spheres.

The education is conducted in a gradual manner, starting with an introduction to basic concepts in management science, economics, and law, through the development of analytical and organizational skills, and finally, strategic and leadership competencies. The program also involves increasing involvement in practical projects, case studies, and teamwork, allowing students to gain experience and confidence in applying their knowledge in practice.

The first-cycle program in **Management** lasts six semesters.

During the first year of study, modules are delivered, imparting general knowledge and developing skills needed for subsequent

semesters. Beginning in the third semester, during semesters 3-6, students complete compulsory courses leading to the achievement of the intended learning outcomes and graduate competencies. They also have the opportunity to complete elective modules in each semester. In semesters 3-4, students choose three modules per semester, worth a total of 9 ECTS credits each semester. Two modules are offered in the core subjects and one in the optional subjects, further expanding their knowledge and competencies. In semesters 5 and 6, students complete four modules chosen from the core subjects (two per semester), worth a total of 12 ECTS credits, and two electives in a foreign language, worth 4 ECTS credits. The freedom to choose electives from the offered set allows students to independently shape their professional development path within their field of study, but also provides the opportunity to expand their knowledge in areas not directly related to their field of study. In subsequent semesters, the selection of core and optional subjects takes place in the preceding semester. The pool of electives for each semester is open, allowing for the submission of new subjects.

The study program provides opportunities for mobility. During semesters 3-6, students can participate in international exchange programs under the Erasmus Plus program. The study program includes courses dedicated to visiting professors (one taught in a foreign language).

The elective courses offered to students (major subjects and subjects taught in a foreign language) are related to the University's research activities. Students are encouraged to participate in research projects, academic work, and practical implementations, allowing them to deepen their knowledge and develop their research competencies.

The program responds to the expectations of external stakeholders, including businesses, public institutions, and non-governmental organizations, equipping graduates with competencies sought after in the job market: project, team, and process management skills, strategic decision-making ability, and a willingness to work in a changing economic environment. The curriculum also addresses the growing importance of digital literacy, innovation, and social entrepreneurship.

Description of work placement (if provided for in the study programme)

During the practice, students are required to perform activities related to the functioning of the institution or enterprise, commissioned by the owner (direct supervisor). It is advisable for the student to perform work related to the field of study. During the internship, students are required to: prepare a detailed internship report in traditional and electronic versions; prepare a presentation about the unit (in an electronic version), keep records in the internship diary regarding the type of work performed, its duration and own observations and conclusions; implementation of tasks set by direct internship supervisors. Completion of the internship in institutions or enterprises (passing the exam) is a necessary requirement to complete the fifth semester of studies. Practice during the studies allows students to verify the knowledge acquired in business practice and gives the opportunity to reflect on further specialization of education, including by selecting subjects to be implemented.

Graduate profile

Graduates know the theoretical basis of the relationship between social structures and institutions, and understand the principles of human functioning in the processes taking place in social structures. They know the norms and principles governing the functioning of economic entities, including the basic concepts and principles in the field of industrial property protection and copyright, as well as the principles of creating and developing various forms of entrepreneurship and social activity, using knowledge in the field of agribusiness management. The graduate also has knowledge of copyright and related rights, as well as the protection of industrial intellectual property.

Graduates are able to obtain source materials in the field of management and analyze the causes and course of specific social, economic and organizational processes and phenomena. They are able to use the acquired knowledge to solve problems typical for the management of phenomena and processes in agribusiness and in rural areas. They have the ability to independently plan and implement their own development, they know a foreign language at the B2 level of the Common European Framework of Reference for Languages, and they can use a specialist language in the field of management.

Graduates are ready for team cooperation, performing managerial functions in a team, responsible participation in the preparation of socio-economic projects, as well as ethical and creative problem solving in the field of management, taking into account the specificity of agribusiness. A graduate of first-cycle studies is prepared to undertake second-cycle or post-graduate studies.

Learning outcomes

Knowledge

| Code | Content | PRK |
|-----------|--|--------|
| Zj_K1_W01 | The graduate knows and understands the theoretical foundations of relationships between social structures and institutions, particularly between enterprises, organizations, and households, on both national and international scales, taking into account dynamic market and technological changes | P6S_WG |
| Zj_K1_W02 | The graduate knows and understands the essence of personality and motivation as key aspects of individuals within enterprises and organizations, as well as the principles governing the functioning of individuals and groups in processes occurring within social and organizational structures | P6S_WG |
| Zj_K1_W03 | The graduate knows and understands the methods and tools, including data collection techniques, relevant to the fields of social sciences, particularly management and quality sciences, enabling the description of economic entities and the processes regulating their functioning. | P6S_WG |
| Zj_K1_W04 | The graduate knows and understands the norms and principles (organizational, legal, ethical, and social) influencing the functioning of enterprises, organizations, and household | P6S_WK |
| Zj_K1_W05 | The graduate knows and understands the key concepts of intellectual property, industrial property, and copyright protection, particularly in the context of innovation management and modern business models | P6S_WK |
| Zj_K1_W06 | The graduate knows and understands the principles of creating and developing various forms of entrepreneurship, including managing start-ups and social projects, by utilizing knowledge of management and modern technologies across different sectors of the economy, including agribusiness | P6S_WK |

Skills

| Code | Content | PRK |
|-----------|---|--------|
| Zj_K1_U01 | The graduate is able to critically analyze the causes and course of specific social, economic, and organizational processes and phenomena | P6S_UW |
| Zj_K1_U02 | The graduate is able to apply acquired knowledge to solve complex problems and dilemmas in a manager's work, taking into account dynamic changes in the business environment | P6S_UW |
| Zj_K1_U03 | The graduate is able to apply theoretical knowledge and gather data from various sources to formulate and solve problems typical of managing phenomena and processes in agribusiness and rural areas, with particular emphasis on innovative technologies and sustainable development | P6S_UW |
| Zj_K1_U04 | The graduate is able to communicate effectively with various stakeholder groups, engage in professional discussions considering different perspectives, and share knowledge within the academic and business environments, and use a foreign language at the B2 level of the Common European Framework of Reference for Languages | P6S_UK |
| Zj_K1_U05 | The graduate is able to analyze solutions to specific management problems and propose creative and practical solutions, both individually and within interdisciplinary project teams | P6S_UO |
| Zj_K1_U06 | The graduate is able to independently plan and implement their own development to analyse phenomena and processes, trends in the field of enterprise and organisation management, with particular emphasis on agribusiness | P6S_UU |

Social competence

| Code | Content | PRK |
|-------------|---|------------|
| Zj_K1_K01 | The graduate is is ready to critically analyze knowledge resources, seek expert support, and utilize interdisciplinary knowledge | P6S_KK |
| Zj_K1_K02 | The graduate is ready to actively and responsibly participate in the preparation of socio-economic projects, considering the interdisciplinarity of management and the public interest | P6S_KO |
| Zj_K1_K03 | The graduate is ready to collaborate in a team, flexibly assuming different roles, including that of a leader, and effectively manage the team | P6S_KR |
| Zj_K1_K04 | The graduate is ready to ethically, creatively, and responsibly solve management problems, taking into account the specifics of agribusiness, including issues of sustainable development | P6S_KR |

Study plan

Semester 1

| Subject | Number of hours | ECTS points | Form of verification | Mandatory |
|----------------------------------|--|-------------|----------------------|---------------------|
| OHS training | OHS training: 4 | 0 | Pass | Obligatory subjects |
| Intellectual property protection | Lecture: 30, including remote classes: • Synchronous lecture: 30 | 2 | Pass with grade | Obligatory subjects |
| Knowledge of Organizations | Lecture: 15 Auditorium exercises: 15 | 3 | Exam | Obligatory subjects |
| Economic Geography | Lecture: 15 Auditorium exercises: 15 | 3 | Pass with grade | Obligatory subjects |
| Psychosocial Aspects of Work | Lecture: 15 Auditorium exercises: 15 | 3 | Pass with grade | Obligatory subjects |
| Microeconomics | Lecture: 30 Auditorium exercises: 30 | 5 | Exam | Obligatory subjects |
| Mathematics for Economists | Lecture: 30 Auditorium exercises: 30 | 6 | Exam | Obligatory subjects |
| Introduction to Management | Lecture: 15 | 1 | Pass with grade | Obligatory subjects |
| Law | Lecture: 30, including remote classes: • Synchronous lecture: 30 | 3 | Pass with grade | Obligatory subjects |
| Information Technology | Lecture: 15, including remote classes: • Synchronous lecture: 15 Laboratory exercises: 30, including remote classes: • Synchronous laboratory exercises: 30 | 4 | Pass with grade | Obligatory subjects |
| Sum | 334 | 30 | | |

Semester 2

| Subject | Number of hours | ECTS points | Form of verification | Mandatory |
|--|---|-------------|----------------------|---------------------|
| Social communication | Lecture: 15 Auditorium exercises: 15 | 3 | Pass with grade | Obligatory subjects |
| Management | Lecture: 30 Auditorium exercises: 30 | 5 | Exam | Obligatory subjects |
| Macroeconomics | Lecture: 30 Auditorium exercises: 30 | 5 | Exam | Obligatory subjects |
| Food Sector Economics | Lecture: 15 Auditorium exercises: 15 | 3 | Pass with grade | Obligatory subjects |
| Accounting | Lecture: 15 Auditorium exercises: 30 | 4 | Exam | Obligatory subjects |
| Marketing | Lecture: 30 Auditorium exercises: 15 | 4 | Exam | Obligatory subjects |
| Introduction to Agriculture | Lecture: 30, including remote classes: • Synchronous lecture: 30 | 3 | Pass with grade | Obligatory subjects |
| Foreign language | Language course: 60 | 3 | Pass with grade | Mandatory group |
| The student conducts foreign language classes from semester 1. | | | | |
| English language | Language course: 60 | 3 | Pass with grade | Elective subjects |
| German language | Language course: 60 | 3 | Pass with grade | Elective subjects |
| Russian language | Language course: 60 | 3 | Pass with grade | Elective subjects |
| Spanish language | Language course: 60 | 3 | Pass with grade | Elective subjects |
| Physical education | Physical education: 30 | 0 | Pass | Mandatory group |
| The student conducts physical education classes selected. | | | | |
| Physical education | Physical education: 30 | 0 | Pass | Elective subjects |
| Sum | 390 | 30 | | |

Semester 3

| Subject | Number of hours | ECTS points | Form of verification | Mandatory |
|--|--|-------------|----------------------|---------------------|
| Human Resources Management | Lecture: 30, including remote classes: • Synchronous lecture: 30 | 3 | Pass with grade | Obligatory subjects |
| Basics of Finance | Lecture: 15 Auditorium exercises: 15 | 3 | Pass with grade | Obligatory subjects |
| International Economic Relations | Lecture: 15 Auditorium exercises: 15 | 3 | Pass with grade | Obligatory subjects |
| Statistics | Lecture: 15 Laboratory exercises: 30 | 4 | Exam | Obligatory subjects |
| Organisational Behaviour | Lecture: 30 Auditorium exercises: 15 | 4 | Exam | Obligatory subjects |
| Foreign language | Language course: 60 | 3 | Pass with grade | Mandatory group |
| The student conducts foreign language classes. | | | | |
| English language | Language course: 60 | 3 | Pass with grade | Elective subjects |
| German language | Language course: 60 | 3 | Pass with grade | Elective subjects |
| Russian language | Language course: 60 | 3 | Pass with grade | Elective subjects |
| Spanish language | Language course: 60 | 3 | Pass with grade | Elective subjects |
| Confirmation B2 foreign language | Contact hours: 2 | 1 | Exam | Obligatory subjects |
| Physical education | Physical education: 30 | 0 | Pass | Mandatory group |
| The student conducts physical education classes. | | | | |
| Physical education | Physical education: 30 | 0 | Pass | Elective subjects |
| Specialisation elective course | Lecture: 40, including remote classes: • Synchronous lecture: 40 Auditorium exercises: 20, including remote classes: • Synchronous auditorium exercises: 20 | 6 | Pass with grade | Mandatory group |

| Subject | Number of hours | ECTS points | Form of verification | Mandatory |
|---|--|--------------------|-----------------------------|-------------------|
| The student chooses two subjects from the Faculty's offer | | | | |
| An open list of optional subjects | Lecture: 40, including remote classes: • Synchronous lecture: 40 Auditorium exercises: 20, including remote classes: • Synchronous auditorium exercises: 20 | 6 | Pass with grade | Elective subjects |
| General elective courses | Lecture: 20, including remote classes: • Synchronous lecture: 20 Auditorium exercises: 10, including remote classes: • Synchronous auditorium exercises: 10 | 3 | Pass with grade | Mandatory group |
| The student chooses one subject from the Faculty's offer | | | | |
| An open list of optional subjects | Lecture: 20, including remote classes: • Synchronous lecture: 20 Auditorium exercises: 10, including remote classes: • Synchronous auditorium exercises: 10 | 3 | Pass with grade | Elective subjects |
| Sum | 362 | 30 | | |

Semester 4

| Subject | Number of hours | ECTS points | Form of verification | Mandatory |
|------------------------------------|---|--------------------|-----------------------------|---------------------|
| Economic Consulting and Innovation | Lecture: 15, including remote classes: • Synchronous lecture: 15 Auditorium exercises: 15 | 3 | Pass with grade | Obligatory subjects |
| Knowledge Management | Lecture: 30 Auditorium exercises: 15 | 4 | Pass with grade | Obligatory subjects |
| Econometrics | Lecture: 30 Laboratory exercises: 30 | 5 | Exam | Obligatory subjects |

| Subject | Number of hours | ECTS points | Form of verification | Mandatory |
|---|--|--------------------|-----------------------------|---------------------|
| Field Seminar | Field exercises: 15 | 2 | Pass | Obligatory subjects |
| Farm Economics and Organization | Lecture: 15 Laboratory exercises: 30 | 4 | Exam | Obligatory subjects |
| Corporate Social Responsibility | Lecture: 30 | 3 | Pass with grade | Obligatory subjects |
| Specialisation elective course | Lecture: 40, including remote classes: • Synchronous lecture: 40 Auditorium exercises: 20, including remote classes: • Synchronous auditorium exercises: 20 | 6 | Pass with grade | Mandatory group |
| The student chooses two subjects from the Faculty's offer | | | | |
| An open list of optional subjects | Lecture: 40, including remote classes: • Synchronous lecture: 40 Auditorium exercises: 20, including remote classes: • Synchronous auditorium exercises: 20 | 6 | Pass with grade | Elective subjects |
| General elective courses | Lecture: 20, including remote classes: • Synchronous lecture: 20 Auditorium exercises: 10, including remote classes: • Synchronous auditorium exercises: 10 | 3 | Pass with grade | Mandatory group |
| The student chooses one subject from the Faculty's offer | | | | |
| An open list of optional subjects | Lecture: 20, including remote classes: • Synchronous lecture: 20 Auditorium exercises: 10, including remote classes: • Synchronous auditorium exercises: 10 | 3 | Pass with grade | Elective subjects |
| Sum | 315 | 30 | | |

Semester 5

| Subject | Number of hours | ECTS points | Form of verification | Mandatory |
|---|--|-------------|----------------------|---------------------|
| Preliminary Seminar | Lecture: 15 | 1 | Pass with grade | Obligatory subjects |
| Production and Service Management | Lecture: 15 Auditorium exercises: 15 | 3 | Pass with grade | Obligatory subjects |
| Marketing and Market Research | Lecture: 15 Laboratory exercises: 30 | 4 | Exam | Obligatory subjects |
| Management of Enterprise Finance | Lecture: 15 Auditorium exercises: 15 | 4 | Exam | Obligatory subjects |
| Agricultural Policy | Lecture: 15, including remote classes: • Synchronous lecture: 15 Auditorium exercises: 15 | 3 | Pass with grade | Obligatory subjects |
| Diploma seminar | Auditorium exercises: 15 | 1 | Pass with grade | Mandatory group |
| Diploma seminar | Auditorium exercises: 15 | 1 | Pass with grade | Elective subjects |
| Practice | Apprenticeships: 180 | 6 | Pass | Mandatory group |
| Practice | Apprenticeships: 180 | 6 | Pass | Elective subjects |
| Specialisation elective course | Lecture: 40, including remote classes: • Synchronous lecture: 40 Auditorium exercises: 20, including remote classes: • Synchronous auditorium exercises: 20 | 6 | Pass with grade | Mandatory group |
| The student chooses two subjects from the Faculty's offer | | | | |
| An open list of optional subjects | Lecture: 40, including remote classes: • Synchronous lecture: 40 Auditorium exercises: 20, including remote classes: • Synchronous auditorium exercises: 20 | 6 | Pass with grade | Elective subjects |
| Subject in the foreign language (elective) | Lecture: 15 | 2 | Pass with grade | Mandatory group |

| Subject | Number of hours | ECTS points | Form of verification | Mandatory |
|--|------------------------|--------------------|-----------------------------|-------------------|
| The student chooses one subject from the Faculty's offer | | | | |
| An open list of optional subjects | Lecture: 15 | 2 | Pass with grade | Elective subjects |
| Sum | 420 | 30 | | |

Semester 6

| Subject | Number of hours | ECTS points | Form of verification | Mandatory |
|---|--|--------------------|-----------------------------|---------------------|
| Marketing Management and Planning | Lecture: 15 Auditorium exercises: 15 | 3 | Pass with grade | Obligatory subjects |
| Quality Management | Lecture: 30, including remote classes: • Synchronous lecture: 30 Auditorium exercises: 15 | 4 | Exam | Obligatory subjects |
| Project Management | Lecture: 15 Laboratory exercises: 15 | 3 | Pass with grade | Obligatory subjects |
| Diploma seminar | Auditorium exercises: 30 | 2 | Pass with grade | Mandatory group |
| Diploma seminar | Auditorium exercises: 30 | 2 | Pass with grade | Elective subjects |
| Specialisation elective course | Lecture: 40, including remote classes: • Synchronous lecture: 40 Auditorium exercises: 20, including remote classes: • Synchronous auditorium exercises: 20 | 6 | Pass with grade | Mandatory group |
| The student chooses two subjects from the Faculty's offer | | | | |
| An open list of optional subjects | Lecture: 40, including remote classes: • Synchronous lecture: 40 Auditorium exercises: 20, including remote classes: • Synchronous auditorium exercises: 20 | 6 | Pass with grade | Elective subjects |
| Subject in the foreign language (elective) | Lecture: 15 | 2 | Pass with grade | Mandatory group |

| Subject | Number of hours | ECTS points | Form of verification | Mandatory |
|--|------------------------|--------------------|-----------------------------|-------------------|
| The student chooses one subject from the Faculty's offer | | | | |
| An open list of optional subjects | Lecture: 15 | 2 | Pass with grade | Elective subjects |
| Bachelor thesis | Diploma thesis: 0 | 10 | Exam | Mandatory group |
| The student chooses the topic of the diploma thesis | | | | |
| Bachelor thesis | Diploma thesis: 0 | 10 | Exam/pass with grade | Elective subjects |
| Sum | 210 | 30 | | |

**Description of the learning outcomes assigned to the subjects and
the curriculum content ensuring the achievement of these
outcomes**

| | | | |
|---|----|--|-------------------------------|
| Subject name: | | Intellectual property protection | ECTS: 2 |
| Effects: | | The content of the effect assigned to the subject: | Directional effect reference: |
| Knowledge: (In terms of knowledge, the graduate knows and understands) | W1 | the essence of intellectual property protection, the types of industrial property objects, and the essence of copyright, as well as selected institutions and organizations involved in intellectual property protection in Poland, the European Union, and worldwide as well as basic concepts related to artificial intelligence, the significance of artificial intelligence for the intellectual property protection system, and the legal regulations governing the use of artificial intelligence in business activity. | Zj_K1_W05 |
| | U1 | acquire and analyze data in the field of intellectual property protection | Zj_K1_U06 |
| Skills: (In terms of skills, the graduate can) | U2 | identify potential risks of intellectual property rights infringement arising from the use of artificial intelligence tools in business activity, as well as to analyze examples of the practical application of artificial intelligence in terms of their compliance with the principles of intellectual property protection. | Zj_K1_U03 |
| | K1 | make informed use of intellectual property, taking into account social, ethical, and professional responsibility for non-compliance with intellectual property law, and to use artificial intelligence tools responsibly and ethically, with respect for intellectual property rights and the interests of creators and entrepreneurs. | Zj_K1_K04 |
| Social competences: (Within the scope of competence, the graduate is ready to) | | | |
| Course content ensuring the achievement of learning outcomes: | | The origins of the development of intellectual property protection worldwide and in Poland. Principles of the intellectual property protection system and its significance. International and European Union organizations in the field of intellectual property protection (WIPO, EUIPO, EPO). The competences and activities of the Polish Patent Office in the field of industrial property protection. Trade secrets as the simplest form of intellectual property protection. Trademarks - conditions for obtaining protection at the national level. European Union trademarks. Industrial designs. Geographical indications. The essence of an invention. Principles of patent granting. Types of patents. Utility models. Topographies of integrated circuits. The role of patent attorneys. Protection of new plant varieties. Copyright protection in Poland. Protection of related rights in Poland. Protection of image rights. Basic concepts related to artificial intelligence and their significance for the intellectual property protection system, in particular copyright and industrial property. Legal regulations related to the use of artificial intelligence in economic activity, with particular emphasis on European Union law. Consequences of infringement of intellectual property rights. | |
| Examination methods: | | Test (written or computer based), Assignment | |

| | | | |
|---|----|---|-------------------------------|
| Subject name: | | Knowledge of Organizations | ECTS: 3 |
| Effects: | | The content of the effect assigned to the subject: | Directional effect reference: |
| <p>Knowledge: (In terms of knowledge, the graduate knows and understands)</p> <p>Skills: (In terms of skills, the graduate can)</p> <p>Social competences: (Within the scope of competence, the graduate is ready to)</p> | W1 | theoretical assumptions, models, and principles of functioning of various types of organizations | Zj_K1_W01 |
| | W2 | standards (organizational, legal, moral, and ethical) regulating the functioning of economic entities (enterprises, organizations) | Zj_K1_W04, Zj_K1_W06 |
| | U1 | identify types and models of organizations | Zj_K1_U05 |
| | K1 | cooperate in a group and act following the principles of corporate social responsibility | Zj_K1_K04 |
| Course content ensuring the achievement of learning outcomes: | | Functioning of various types of organizations and their forms of property ownership; the essence of managing contemporary organizations; resources and forms of cooperation in a modern organization; determining in practice the effectiveness of the organization and its changes | |
| Examination methods: | | Written exam, Written credit, Project | |

| | | | |
|---|----|---|-------------------------------|
| Subject name: | | Economic Geography | ECTS: 3 |
| Effects: | | The content of the effect assigned to the subject: | Directional effect reference: |
| Knowledge: (In terms of knowledge, the graduate knows and understands) | W1 | concepts in economic geography | Zj_K1_W01 |
| | W2 | key theoretical concepts and determines the factors of regional and local development | Zj_K1_W03 |
| Skills: (In terms of skills, the graduate can) | U1 | collect and analyse statistical data and use them in graphic and cartographic presentation | Zj_K1_U02 |
| | U2 | acquire and analyse qualitative data and use them in the implementation of individual and collective exercises during classes | Zj_K1_U02 |
| Social competences: (Within the scope of competence, the graduate is ready to) | K1 | organize knowledge in the field of a given problem | Zj_K1_K02 |
| | K2 | cooperation in a team | Zj_K1_K03 |
| Course content ensuring the achievement of learning outcomes: | | Spatial aspects of the functioning of the economy and society and the consequences of this differentiation; the role of components of the geographical environment in shaping the development of the world economy, especially in Poland; changes taking place in geographical space that shape contemporary social and economic development. | |
| Examination methods: | | Test (written or computer based), Report | |

| | | | |
|---|----|---|-------------------------------|
| Subject name: | | Psychosocial Aspects of Work | ECTS: 3 |
| Effects: | | The content of the effect assigned to the subject: | Directional effect reference: |
| Knowledge: (In terms of knowledge, the graduate knows and understands) | W1 | concepts in the field of psychosocial aspects of work | Zj_K1_W01 |
| | W2 | key competences in the area of the labour market | Zj_K1_W02 |
| Skills: (In terms of skills, the graduate can) | U1 | analyse the characteristics, skills, and competences of a person in terms of their usefulness in professional work | Zj_K1_U01 |
| | U2 | assess the working environment from the psychological, physical, and social points of view and can plan further professional and social development | Zj_K1_U05 |
| Social competences: (Within the scope of competence, the graduate is ready to) | K1 | continuously improve social competences necessary in professional work | Zj_K1_K01 |
| Course content ensuring the achievement of learning outcomes: | | Theoretical and methodological foundations of psychosocial aspects of work in the context of managing a modern enterprise; criteria of division, conditions, and role of work in human life; key competences necessary in the process of human work in the psychological and social context; factors and criteria for developing human resources in psychological, physical and social terms. | |
| Examination methods: | | Test (written or computer based) | |

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|---|----|---|-------------------------------|
| Subject name: | | Microeconomics | ECTS: 5 |
| Effects: | | The content of the effect assigned to the subject: | Directional effect reference: |
| Knowledge: (In terms of knowledge, the graduate knows and understands) | W1 | theoretical issues of phenomena occurring in the economy | Zj_K1_W01 |
| | W2 | methods of obtaining and processing data appropriate for economics | Zj_K1_W03 |
| Skills: (In terms of skills, the graduate can) | U1 | analyse decisions of households and enterprises | Zj_K1_U01 |
| | U2 | choose data sources, analysis methods, and tools and make calculations in the field of economic phenomena | Zj_K1_U06 |
| Social competences: (Within the scope of competence, the graduate is ready to) | K1 | recognise the importance of knowledge in professional life and search for up-to-date knowledge | Zj_K1_K03 |
| Course content ensuring the achievement of learning outcomes: | | Assumptions regarding the knowledge of the laws and mechanisms governing economic processes and the entities actively participating in them; economic problems on a micro-scale (household, enterprise, markets of consumer goods and services, markets of production factors). | |
| Examination methods: | | Test (written or computer based), Written exam, Assessment of activity during classes | |

| | | | |
|---|----|--|-------------------------------|
| Subject name: | | Mathematics for Economists | ECTS: 6 |
| Effects: | | The content of the effect assigned to the subject: | Directional effect reference: |
| <p>Knowledge: (In terms of knowledge, the graduate knows and understands)</p> <p>Skills: (In terms of skills, the graduate can)</p> <p>Social competences: (Within the scope of competence, the graduate is ready to)</p> | W1 | the concepts of mathematical analysis and probability theory | Zj_K1_W03, Zj_K1_W04 |
| | U1 | apply differential calculus to simple optimization problems and apply integral calculus to calculations | Zj_K1_U03 |
| | K1 | formulate problems in the language of mathematics and mathematical analysis | Zj_K1_K01 |
| Course content ensuring the achievement of learning outcomes: | | Basics of calculus, integral calculus; mathematical foundations for studying related subjects; practical skills in using the concepts and tools learned in the field of mathematics and mathematical analysis, as well as the calculus of probability. | |
| Examination methods: | | Written exam, Written credit | |

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|---|----|---|-------------------------------|
| Subject name: | | Introduction to Management | ECTS: 1 |
| Effects: | | The content of the effect assigned to the subject: | Directional effect reference: |
| <p>Knowledge: (In terms of knowledge, the graduate knows and understands)</p> <p>Skills: (In terms of skills, the graduate can)</p> <p>Social competences: (Within the scope of competence, the graduate is ready to)</p> | W1 | the role of management in the economy | Zj_K1_W04 |
| | U1 | use the main concepts of management along with the identification of problems in this area | Zj_K1_U03 |
| | K1 | recognize the importance of knowledge in professional life, and search for up-to-date knowledge | Zj_K1_K01 |
| Course content ensuring the achievement of learning outcomes: | | Fundamentals of knowledge in the field of management and quality sciences. Main issues of management. Objectives and functions of management and science of management and quality in practice. Introductory information about the elements of the business environment in the internal context. Issues related to the operation of entities in the field of effective human resource management. | |
| Examination methods: | | Test (written or computer based) | |

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|---|----|---|-------------------------------|
| Subject name: | | Law | ECTS: 3 |
| Effects: | | The content of the effect assigned to the subject: | Directional effect reference: |
| Knowledge: (In terms of knowledge, the graduate knows and understands) | W1 | the concept of the state and its aspects; concepts in the field of law and the legal system; civil rights and freedoms; basic elements of selected branches of law | Zj_K1_W04 |
| Skills: (In terms of skills, the graduate can) | U1 | find the necessary information in source legal and legal texts; interpret the basic provisions to derive a legal norm from them; assess the need to seek professional legal assistance in a given case; choose the right form of legal action | Zj_K1_U02 |
| Social competences: (Within the scope of competence, the graduate is ready to) | K1 | take up functions in the organization that require knowledge of basic legal regulations | Zj_K1_K03 |
| Course content ensuring the achievement of learning outcomes: | | Legal issues; theory of law (introduction to jurisprudence); systemic, substantive, and procedural regulations. | |
| Examination methods: | | Test (written or computer based) | |

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|---|----|--|-------------------------------|
| Subject name: | | Information Technology | ECTS: 4 |
| Effects: | | The content of the effect assigned to the subject: | Directional effect reference: |
| Knowledge: (In terms of knowledge, the graduate knows and understands) | W1 | methods and tools, including data acquisition techniques (Data Science), recommendations for the sector of economic sciences in management, they provide management mechanisms and processes for their delivery operation (Business Intelligence) | Zj_K1_W03 |
| | W2 | economic, financial, social, legal, ethical, ecological and other conditions for the use of information and communication technologies conducting business activity | Zj_K1_W05 |
| Skills: (In terms of skills, the graduate can) | U1 | use the acquired knowledge to solve dilemmas arising in the professional work of a manager with the use of information and communication technologies | Zj_K1_U02 |
| | U2 | analyse proposed solutions to specific problems in the field of management and propose appropriate solutions in this regard, also as part of teamwork, including interdisciplinary work using information and communication technologies | Zj_K1_U05 |
| Social competences: (Within the scope of competence, the graduate is ready to) | K1 | perform ethical and creative problem-solving in the field of management, considering the specificity of agribusiness with the use of information and communication technologies | Zj_K1_K04 |
| Course content ensuring the achievement of learning outcomes: | | Fundamentals of information and communication technologies and the use of computer hardware and their methods used to support management; modern methods, techniques, and support systems management and decision-making processes; practical use of a text editor, spreadsheet, presentation program, and related tools under the Business Intelligence concept; using a spreadsheet and tools related to it for calculations, collection, processing and data analysis under the Data Science concept. | |
| Examination methods: | | Assessment of speeches during classes, Test (written or computer based), Written credit, Assessment of activity during classes | |

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|---|----|---|-------------------------------|
| Subject name: | | Social communication | ECTS: 3 |
| Effects: | | The content of the effect assigned to the subject: | Directional effect reference: |
| Knowledge: (In terms of knowledge, the graduate knows and understands) | W1 | principles of effective social communication from the perspective of human functioning in social structures | Zj_K1_W02 |
| | W2 | main conditions for the development of various forms of social activity | Zj_K1_W06 |
| Skills: (In terms of skills, the graduate can) | U1 | communicate effectively in a variety of communication situations | Zj_K1_U05 |
| | U2 | analyse and propose specific solutions also as part of interdisciplinary teamwork | Zj_K1_U03 |
| Social competences: (Within the scope of competence, the graduate is ready to) | K1 | perform group roles and managerial functions | Zj_K1_K03 |
| | K2 | define priorities and critically analyse possessed knowledge | Zj_K1_K01 |
| Course content ensuring the achievement of learning outcomes: | | Theories of interpersonal, group, and mass communication; the ability to transmit information, active listening; shaping the ability to communicate effectively in various social situations. | |
| Examination methods: | | Test (written or computer based), Assessment of activity during classes | |

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|---|----|--|-------------------------------|
| Subject name: | | Management | ECTS: 5 |
| Effects: | | The content of the effect assigned to the subject: | Directional effect reference: |
| <p>Knowledge: (In terms of knowledge, the graduate knows and understands)</p> <p>Skills: (In terms of skills, the graduate can)</p> <p>Social competences: (Within the scope of competence, the graduate is ready to)</p> | W1 | the essence of management functions and list key problem areas within them | Zj_K1_W03 |
| | U1 | make decisions in the area of business management using the payoff matrix/decision tree | Zj_K1_U02 |
| | U2 | analyse problems in the field of management, make their critical but also creative assessments, and formulate their solutions | Zj_K1_U05 |
| | K1 | cooperate with others, and demonstrate the ability to work creatively in a team | Zj_K1_K03 |
| Course content ensuring the achievement of learning outcomes: | | The role of the organization as an object of management and the essence of the manager's work; issues of decision-making and decision-making techniques; planning, organizing, managing people and controlling and improving in enterprises; various methods and concepts of managing organizations. | |
| Examination methods: | | Oral exam, Written credit, Project, Assessment of activity during classes, Case study | |

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|---|----|---|-------------------------------|
| Subject name: | | Macroeconomics | ECTS: 5 |
| Effects: | | The content of the effect assigned to the subject: | Directional effect reference: |
| Knowledge: (In terms of knowledge, the graduate knows and understands) | W1 | key macroeconomic problems | Zj_K1_W01 |
| | W2 | sources of economic development, its determinants and threats | Zj_K1_W02 |
| Skills: (In terms of skills, the graduate can) | U1 | assess economic policy | Zj_K1_U01 |
| | U2 | calculate the main macroeconomic categories | Zj_K1_U03 |
| Social competences: (Within the scope of competence, the graduate is ready to) | K1 | supplementing and improving the acquired knowledge in the field of the national economy and its external environment | Zj_K1_K04 |
| | K2 | understanding the dynamic nature of the economy | Zj_K1_K02 |
| Course content ensuring the achievement of learning outcomes: | | Macroeconomic categories and processes and their mutual relations; factors determining the level of economic growth and development; mechanisms of functioning of the national economy; the effects of state activity; ability to calculate and interpret macroeconomic categories. | |
| Examination methods: | | Written exam, Written credit, Assessment of activity during classes | |

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|---|----|---|-------------------------------|
| Subject name: | | Food Sector Economics | ECTS: 3 |
| Effects: | | The content of the effect assigned to the subject: | Directional effect reference: |
| <p>Knowledge: (In terms of knowledge, the graduate knows and understands)</p> <p>Skills: (In terms of skills, the graduate can)</p> <p>Social competences: (Within the scope of competence, the graduate is ready to)</p> | W1 | organization of production and marketing in the food economy | Zj_K1_W01 |
| | W2 | concepts and economic categories in the field of food economics | Zj_K1_W03 |
| | U1 | analyse and evaluate production and economic results and see the reasons for shaping their level in the food economy | Zj_K1_U01 |
| | K1 | collect and analyse data and information, as well as supplement the knowledge needed for the correct interpretation of phenomena occurring in the food economy | Zj_K1_K01 |
| Course content ensuring the achievement of learning outcomes: | | Issues of the evolution of the organizational form of food economy; basic concepts, specificity, and organization of production and marketing in the food economy; organizational links and economic dependencies within individual branches of the food economy. | |
| Examination methods: | | Test (written or computer based), Assessment of speeches during classes, Assessment of activity during classes | |

| | | | |
|---|----|---|-------------------------------|
| Subject name: | | Accounting | ECTS: 4 |
| Effects: | | The content of the effect assigned to the subject: | Directional effect reference: |
| Knowledge: (In terms of knowledge, the graduate knows and understands) | W1 | sources of law related to the needs of various entities for financial information from accounting | Zj_K1_W03 |
| | W2 | methods of valuation of assets and liabilities of an economic entity | Zj_K1_W01 |
| Skills: (In terms of skills, the graduate can) | U1 | prepare a simplified balance sheet and profit and loss account | Zj_K1_U01 |
| | U2 | assess the usefulness of information determined in accounting for making specific groups of decisions in a given entity | Zj_K1_U06 |
| Social competences: (Within the scope of competence, the graduate is ready to) | K1 | act in an ethical, socially responsible, and public-interest manner | Zj_K1_K02 |
| Course content ensuring the achievement of learning outcomes: | | The essence, functions, principles, and system of collecting economic information in accounting; the process of obtaining, classifying, documenting, and presenting information in the entity's accounting system; the importance of accounting in the preparation of financial and production decisions of the entity's economic and organizational; basic characteristics and quality of information generated in the area of accounting. | |
| Examination methods: | | Written exam, Written credit, Assessment of activity during classes | |

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|---|----|--|-------------------------------|
| Subject name: | | Marketing | ECTS: 4 |
| Effects: | | The content of the effect assigned to the subject: | Directional effect reference: |
| Knowledge: (In terms of knowledge, the graduate knows and understands) | W1 | theoretical assumptions of the relationship between social structures and institutions, and in particular between enterprises, organizations, and households | Zj_K1_W01 |
| | W2 | methods and tools, including data acquisition techniques, appropriate for the fields of economic sciences, in particular management | Zj_K1_W03 |
| Skills: (In terms of skills, the graduate can) | U1 | analyse the proposed solutions to specific management problems and propose appropriate solutions in this regard | Zj_K1_U05 |
| Social competences: (Within the scope of competence, the graduate is ready to) | K1 | responsibly participate in the preparation of socio-economic projects, considering the interdisciplinarity of management and the public interest | Zj_K1_K02 |
| Course content ensuring the achievement of learning outcomes: | | The essence, genesis, and conditions for the development of marketing theory and practice; economic knowledge of markets, buyers' behaviour, innovative processes in the economy; instruments of marketing impact on the market; main research methods and techniques in marketing research. | |
| Examination methods: | | In the first term a written exam, in the second term an oral exam is permitted., Written credit | |

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|---|----|--|-------------------------------|
| Subject name: | | Introduction to Agriculture | ECTS: 3 |
| Effects: | | The content of the effect assigned to the subject: | Directional effect reference: |
| Knowledge: (In terms of knowledge, the graduate knows and understands) | W1 | knows and describes concepts and functions of agriculture and use of soil maps | Zj_K1_W04 |
| | W2 | distinguishes farming systems | Zj_K1_W06 |
| Skills: (In terms of skills, the graduate can) | U1 | can calculate comparative fiscal hectare, agricultural land structure, structure of sowing | Zj_K1_U03 |
| | U2 | describes branches and agricultural production activities | Zj_K1_U01, Zj_K1_U06 |
| Social competences: (Within the scope of competence, the graduate is ready to) | K1 | - knows how to management and critical analysis of possessed knowledge | Zj_K1_K01 |
| Course content ensuring the achievement of learning outcomes: | | Issues related to agricultural production; functions of agriculture and the specificity of agricultural production; basic concepts of plant and animal production; natural conditions for agricultural production. | |
| Examination methods: | | Written credit | |

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|---|----|---|-------------------------------|
| Subject name: | | English language | ECTS: 6 |
| Effects: | | The content of the effect assigned to the subject: | Directional effect reference: |
| <p>Knowledge: (In terms of knowledge, the graduate knows and understands)</p> <p>Skills: (In terms of skills, the graduate can)</p> <p>Social competences: (Within the scope of competence, the graduate is ready to)</p> | W1 | vocabulary connected with education, work, science, health, culture and entertainment, sport, technology, information exchange and environment. | Zj_K1_W01 |
| | U1 | describe phenomena, processes, procedures. | Zj_K1_U01 |
| | U2 | conduct correspondence and take notes. | Zj_K1_U03 |
| | U3 | give explanations, give reasons, express opinions or make plans. | Zj_K1_U04 |
| | K1 | prepare and deliver presentations. | Zj_K1_K02 |
| | K2 | work in a team and conduct a discussion. | Zj_K1_K03 |
| | K3 | communicate correctly in most situations of everyday life and professional life without preparation. | Zj_K1_K04 |
| Course content ensuring the achievement of learning outcomes: | | <p>Vocabulary connected with education, work, science, health, culture and entertainment, sport, technology, information exchange and environment.</p> <p>Grammar structures: correct use of word forms and sentence structures, word formation.</p> <p>Language functions: practising communication, pronunciation and spelling.</p> | |
| Examination methods: | | Written credit, Essay, Assessment of activity during classes | |

| | | | |
|---|----|---|-------------------------------|
| Subject name: | | German language | ECTS: 6 |
| Effects: | | The content of the effect assigned to the subject: | Directional effect reference: |
| <p>Knowledge: (In terms of knowledge, the graduate knows and understands)</p> <p>Skills: (In terms of skills, the graduate can)</p> <p>Social competences: (Within the scope of competence, the graduate is ready to)</p> | W1 | vocabulary connected with education, work, science, health, culture and entertainment, sport, technology, information exchange and environment. | Zj_K1_W01 |
| | U1 | describe phenomena, processes, procedures. | Zj_K1_U01 |
| | U2 | conduct correspondence and take notes. | Zj_K1_U03 |
| | U3 | give explanations, give reasons, express opinions or make plans. | Zj_K1_U04 |
| | K1 | prepare and deliver presentations. | Zj_K1_K02 |
| | K2 | work in a team and conduct a discussion. | Zj_K1_K03 |
| | K3 | communicate correctly in most situations of everyday life and professional life without preparation. | Zj_K1_K04 |
| Course content ensuring the achievement of learning outcomes: | | <p>Vocabulary connected with education, work, science, health, culture and entertainment, sport, technology, information exchange and environment.</p> <p>Grammar structures: correct use of word forms and sentence structures, word formation.</p> <p>Language functions: practising communication, pronunciation and spelling.</p> | |
| Examination methods: | | Written credit, Essay, Assessment of activity during classes | |

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|---|----|--|-------------------------------|
| Subject name: | | Russian language | ECTS: 6 |
| Effects: | | The content of the effect assigned to the subject: | Directional effect reference: |
| <p>Knowledge: (In terms of knowledge, the graduate knows and understands)</p> <p>Skills: (In terms of skills, the graduate can)</p> <p>Social competences: (Within the scope of competence, the graduate is ready to)</p> | W1 | vocabulary connected with education, work, science, health, culture and entertainment, sport, technology, information exchange and environment. | Zj_K1_W01 |
| | U1 | describe phenomena, processes, procedures. | Zj_K1_U01 |
| | U2 | conduct correspondence and take notes. | Zj_K1_U03 |
| | U3 | give explanations, give reasons, express opinions or make plans. | Zj_K1_U04 |
| | K1 | prepare and deliver presentations. | Zj_K1_K02 |
| | K2 | work in a team and conduct a discussion. | Zj_K1_K03 |
| | K3 | communicate correctly in most situations of everyday life and professional life without preparation. | Zj_K1_K04 |
| Course content ensuring the achievement of learning outcomes: | | Vocabulary connected with education, work, science, health, culture and entertainment, sport, technology, information exchange and environment. Grammar structures: correct use of word forms and sentence structures, word formation. Language functions: practising communication, pronunciation and spelling. | |
| Examination methods: | | Written credit, Essay, Assessment of activity during classes | |

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|---|----|---|-------------------------------|
| Subject name: | | Spanish language | ECTS: 6 |
| Effects: | | The content of the effect assigned to the subject: | Directional effect reference: |
| <p>Knowledge: (In terms of knowledge, the graduate knows and understands)</p> <p>Skills: (In terms of skills, the graduate can)</p> <p>Social competences: (Within the scope of competence, the graduate is ready to)</p> | W1 | vocabulary connected with education, work, science, health, culture and entertainment, sport, technology, information exchange and environment. | Zj_K1_W01 |
| | U1 | describe phenomena, processes, procedures. | Zj_K1_U01 |
| | U2 | conduct correspondence and take notes. | Zj_K1_U03 |
| | U3 | give explanations, give reasons, express opinions or make plans. | Zj_K1_U04 |
| | K1 | prepare and deliver presentations. | Zj_K1_K02 |
| | K2 | work in a team and conduct a discussion. | Zj_K1_K03 |
| | K3 | communicate correctly in most situations of everyday life and professional life without preparation. | Zj_K1_K04 |
| Course content ensuring the achievement of learning outcomes: | | <p>Vocabulary connected with education, work, science, health, culture and entertainment, sport, technology, information exchange and environment.</p> <p>Grammar structures: correct use of word forms and sentence structures, word formation.</p> <p>Language functions: practising communication, pronunciation and spelling.</p> | |
| Examination methods: | | Written credit, Essay, Assessment of activity during classes | |

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|---|---|---|---|
| Subject name: | | Physical education | ECTS: 0 |
| Effects: | | The content of the effect assigned to the subject: | Directional effect reference: |
| <p>Knowledge: (In terms of knowledge, the graduate knows and understands)</p> <p>Skills: (In terms of skills, the graduate can)</p> <p>Social competences: (Within the scope of competence, the graduate is ready to)</p> | W1 | how physical exercise affects the development and functioning of the body. | |
| | W2 | the aspects of morphological, anatomical and physiological foundations of the functioning of the human body and the consequences and risks associated with lack of physical activity. | |
| | W3 | how physical activity affects health at every stage of life. | |
| | W4 | the relationship between effort and systematic work and the effect obtained. | |
| | U1 | analyze the level of own physical fitness, correctly interpret and identify problems occurring during the performance of tasks and make the right decisions to solve them. | |
| | U2 | prepare the body for the effort, control and assess the state of the body's efficiency, use the acquired movement habits in the correct performance of everyday motor activities. | |
| | U3 | use various forms of physical activity taking into account the current state of health, physical capabilities and age. | |
| | U4 | cooperate in a team with commitment and full responsibility in order to achieve a specific result. | |
| | U5 | undertake tasks adequate to their own talents and abilities. | |
| | K1 | control their own physical development at every stage, taking care of the body in health and illness. | |
| | K2 | build social relationships and knows how to use it to achieve individual and team goals. | |
| | K3 | take responsibility for the state of their own health and that of others, including their own family in the future. | |
| | Course content ensuring the achievement of learning outcomes: | | Familiarizing the student with safety rules in physical education classes. Provide the student with basic movements, movement and body function during the selected motor activity. Familiarizing the student with the rules and regulations in the selected sport discipline. Familiarizing the student with the organization and conduct of competitions as part of the selected physical activity. |
| Examination methods: | | Assessment of activity during classes | |

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|---|----|--|-------------------------------|
| Subject name: | | Human Resources Management | ECTS: 3 |
| Effects: | | The content of the effect assigned to the subject: | Directional effect reference: |
| Knowledge: (In terms of knowledge, the graduate knows and understands) | W1 | human resource management process in enterprises | Zj_K1_W02 |
| | W2 | rules for calculating economic measures of the HR function | Zj_K1_W03 |
| Skills: (In terms of skills, the graduate can) | U1 | determine the correctness of the applied personnel policy | Zj_K1_U01 |
| | U2 | assess the correctness of decisions on hiring and dismissing employees | Zj_K1_U03 |
| Social competences: (Within the scope of competence, the graduate is ready to) | K1 | perform effective teamwork and make key decisions | Zj_K1_K04 |
| Course content ensuring the achievement of learning outcomes: | | Assumptions, goals, and principles of human resources management. The HRM process and the most commonly used techniques in this field. Selected legal conditions in the field of labour law and the rights and obligations of the employee and the employer. | |
| Examination methods: | | Written credit | |

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|---|----|--|-------------------------------|
| Subject name: | | Basics of Finance | ECTS: 3 |
| Effects: | | The content of the effect assigned to the subject: | Directional effect reference: |
| Knowledge: (In terms of knowledge, the graduate knows and understands) | W1 | key cash flows | Zj_K1_W01 |
| | W2 | cash flows specific to the public and private sectors | Zj_K1_W04 |
| Skills: (In terms of skills, the graduate can) | U1 | analyse the financial situation of entities | Zj_K1_U01 |
| | U2 | assess the impact of financial instruments on the national economy and individual entities | Zj_K1_U03 |
| Social competences: (Within the scope of competence, the graduate is ready to) | K1 | think in an entrepreneurial way | Zj_K1_K04 |
| Course content ensuring the achievement of learning outcomes: | | Basic phenomena and financial categories. The specificity of financial phenomena occurring in individual sectors of the economy. | |
| Examination methods: | | Written credit, Assessment of activity during classes | |

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|---|----|---|-------------------------------|
| Subject name: | | International Economic Relations | ECTS: 3 |
| Effects: | | The content of the effect assigned to the subject: | Directional effect reference: |
| Knowledge: (In terms of knowledge, the graduate knows and understands) | W1 | the essence of international economic relations, can explain the theories of benefits from international trade and flows of services and factors of production on an international scale | Zj_K1_W01 |
| | W2 | the essence of foreign and international economic policy and understanding the principles of functioning of economies in the modern world | Zj_K1_W03 |
| Skills: (In terms of skills, the graduate can) | U1 | interpret and explain economic phenomena and processes taking place within groups of countries, regions, and integration groups as well as in the entire global economy | Zj_K1_U01 |
| | U2 | is able to analyse the impact of changes in the functioning of the world economy on the economies of countries and regions | Zj_K1_U01 |
| Social competences: (Within the scope of competence, the graduate is ready to) | K1 | understand changes taking place in the economies of individual regions and in the global economy | Zj_K1_K01 |
| Course content ensuring the achievement of learning outcomes: | | Theoretical concepts to understand the functioning of the market, types and importance of international transactions in goods and services, benefits and threats resulting from globalization processes taking place in the world, goals, means, and tools of foreign and international policy. | |
| Examination methods: | | Written credit, Report, Presentation | |

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|---|----|--|-------------------------------|
| Subject name: | | Statistics | ECTS: 4 |
| Effects: | | The content of the effect assigned to the subject: | Directional effect reference: |
| Knowledge: (In terms of knowledge, the graduate knows and understands) | W1 | understands the meaning of the basic concepts of descriptive and mathematical statistics | Zj_K1_W03 |
| | W2 | selected methods of statistical description and inference | Zj_K1_W03 |
| Skills: (In terms of skills, the graduate can) | U1 | is able to choose statistical methods appropriate to the specificity of the problem under study | Zj_K1_U01 |
| | U2 | is able to independently conduct an analysis of empirical data and interpret the results of statistical research | Zj_K1_U01 |
| Social competences: (Within the scope of competence, the graduate is ready to) | K1 | solve complex problems requiring the use of statistical analysis | Zj_K1_K02 |
| Course content ensuring the achievement of learning outcomes: | | The importance of statistical analysis; methods of statistical description and statistical inference and the correct application of these methods; proper analysis and interpretation of statistical research results. | |
| Examination methods: | | Written exam, Written credit | |

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|---|--|---|-------------------------------|
| Subject name: | | Organisational Behaviour | ECTS: 4 |
| Effects: | | The content of the effect assigned to the subject: | Directional effect reference: |
| Knowledge: (In terms of knowledge, the graduate knows and understands) | W1 | the essence of social processes occurring in the process of work | Zj_K1_W02, Zj_K1_W06 |
| | W2 | differences in individual and group behaviour in organizations and take advantage of it | Zj_K1_W02 |
| Skills: (In terms of skills, the graduate can) | U1 | analyse problems and propose adequate solutions | Zj_K1_U02 |
| | U2 | apply the acquired knowledge to solve dilemmas occurring in organizations | Zj_K1_U03 |
| Social competences: (Within the scope of competence, the graduate is ready to) | K1 | act creatively and sensitively with regard to social problems occurring in contemporary organizations | Zj_K1_K04 |
| Course content ensuring the achievement of learning outcomes: | Selected aspects of organizational behaviour theory; explaining, predicting, and controlling human behaviour and developing people skills; more important conditions affecting the effectiveness of planning and decision-making in organizations, leadership. | | |
| Examination methods: | Written exam, Assessment of speeches during classes, Test (written or computer based), Assessment of activity during classes | | |

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|---|----|---|-------------------------------|
| Subject name: | | Confirmation B2 foreign language | ECTS: 1 |
| Effects: | | The content of the effect assigned to the subject: | Directional effect reference: |
| Skills: (In terms of skills, the graduate can) | U1 | Use a foreign language at the B2 level. | Zj_K1_U04 |
| Course content ensuring the achievement of learning outcomes: | | Self-preparation for the foreign language at B2 level exam. | |
| Examination methods: | | Written exam | |

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|---|----|--|-------------------------------|
| Subject name: | | Economic Consulting and Innovation | ECTS: 3 |
| Effects: | | The content of the effect assigned to the subject: | Directional effect reference: |
| <p>Knowledge: (In terms of knowledge, the graduate knows and understands)</p> <p>Skills: (In terms of skills, the graduate can)</p> <p>Social competences: (Within the scope of competence, the graduate is ready to)</p> | W1 | the essence of human personality as a subject constituting an enterprise and organization, as well as the principles of human functioning in processes occurring in social structures, mainly in economic consulting | Zj_K1_W02 |
| | U1 | formulate and analyse management consulting problems and propose their appropriate resolution | Zj_K1_U05 |
| | U2 | integrate the acquired knowledge from various areas related to economic consulting and innovation and formulate conclusions | Zj_K1_U02 |
| | K1 | perform critical analysis of knowledge resources in professional life and search for knowledge among experts | Zj_K1_K04 |
| Course content ensuring the achievement of learning outcomes: | | The importance of consulting and innovation in organizations; preparation to act as an advisor; techniques of consulting work in the field of management; creating innovations. | |
| Examination methods: | | Written credit, Presentation, Assessment of speeches during classes, Assessment of activity during classes | |

| | | | |
|---|----|---|-------------------------------|
| Subject name: | | Knowledge Management | ECTS: 4 |
| Effects: | | The content of the effect assigned to the subject: | Directional effect reference: |
| Knowledge: (In terms of knowledge, the graduate knows and understands) | W1 | the essence of human personality as a subject constituting an enterprise and organization and functioning in them, as well as the principles of human functioning in processes occurring in social structures | Zj_K1_W02 |
| Skills: (In terms of skills, the graduate can) | U1 | analyse the proposed solutions to specific problems in the field of management and propose appropriate solutions in this regard, also as part of teamwork, including interdisciplinary | Zj_K1_U05 |
| Social competences: (Within the scope of competence, the graduate is ready to) | K1 | collaborate and cooperate in the team, assuming various roles in it, including managerial functions | Zj_K1_K03 |
| Course content ensuring the achievement of learning outcomes: | | Up-to-date knowledge of knowledge management (tools, goals, and principles); the most effective, proven methods of knowledge management; effective knowledge management. | |
| Examination methods: | | Written credit, Assessment of activity during classes | |

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|---|----|--|-------------------------------|
| Subject name: | | Econometrics | ECTS: 5 |
| Effects: | | The content of the effect assigned to the subject: | Directional effect reference: |
| <p>Knowledge: (In terms of knowledge, the graduate knows and understands)</p> <p>Skills: (In terms of skills, the graduate can)</p> <p>Social competences: (Within the scope of competence, the graduate is ready to)</p> | W1 | the meaning of terms from econometrics | Zj_K1_W03 |
| | U1 | independently and freely use the selected statistical package | Zj_K1_U02 |
| | U2 | interpret and select appropriate econometric methods to solve economic problems | Zj_K1_U05 |
| | K1 | search for solutions to practical management problems | Zj_K1_K04 |
| Course content ensuring the achievement of learning outcomes: | | Possibilities related to the use of econometric models; the use of econometrics in management; the use of a statistical package used in economic research. | |
| Examination methods: | | Test (written or computer based), Written credit | |

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|---|----|---|-------------------------------|
| Subject name: | | Field Seminar | ECTS: 2 |
| Effects: | | The content of the effect assigned to the subject: | Directional effect reference: |
| <p>Knowledge: (In terms of knowledge, the graduate knows and understands)</p> <p>Skills: (In terms of skills, the graduate can)</p> <p>Social competences: (Within the scope of competence, the graduate is ready to)</p> | W1 | the specificity of farms and methods of describing their economic and production potential. | Zj_K1_W03 |
| | U1 | collect economic data from farms. | Zj_K1_U03 |
| | U2 | prepare a production and financial plan for farms. | Zj_K1_U05 |
| | K1 | work in a team in the assessment of the economic and production potential of farms. | Zj_K1_K03 |
| Course content ensuring the achievement of learning outcomes: | | Identification of the production, organizational and economic specificity of a farm; collecting data and preparing a production and financial plan for a specific farm. | |
| Examination methods: | | Project, Assessment of activity during classes | |

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|---|----|---|-------------------------------|
| Subject name: | | Farm Economics and Organization | ECTS: 4 |
| Effects: | | The content of the effect assigned to the subject: | Directional effect reference: |
| <p>Knowledge: (In terms of knowledge, the graduate knows and understands)</p> <p>Skills: (In terms of skills, the graduate can)</p> <p>Social competences: (Within the scope of competence, the graduate is ready to)</p> | W1 | concepts in the field of economics and organization of agricultural enterprises | Zj_K1_W01 |
| | U1 | analyse and evaluate the production activity of an agricultural enterprise, production and economic results of enterprises as well as the efficiency and effectiveness of farming | Zj_K1_U01 |
| | U2 | solve decision-making problems in the field of current business activity (economic and financial) | Zj_K1_U02 |
| | K1 | feel conscious need to collect and use knowledge in the field of business economics | Zj_K1_K02, Zj_K1_K03 |
| Course content ensuring the achievement of learning outcomes: | | Functioning of farms and agricultural enterprises and their relations with the environment; evolution of socio-organizational and legal forms of farms and agricultural enterprises; the role of production factors, the basis for measuring production and economic effects, economic calculation - useful in making decisions regarding the selection of production activities, selection of technology and the level of production intensity; planning system in agricultural enterprises. | |
| Examination methods: | | Written exam, Oral exam, Written credit, Project | |

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|---|----|--|-------------------------------|
| Subject name: | | Corporate Social Responsibility | ECTS: 3 |
| Effects: | | The content of the effect assigned to the subject: | Directional effect reference: |
| Knowledge: (In terms of knowledge, the graduate knows and understands) | W1 | concepts in the field of corporate social responsibility and the principles of creating and developing entrepreneurship, considering the principles of ethics | Zj_K1_W01 |
| | W2 | key areas of the concept of social responsibility (economic, financial, social, legal, ethical, ecological) | Zj_K1_W05 |
| Skills: (In terms of skills, the graduate can) | U1 | analyse and evaluate responsibility in selected aspects of the business activity of enterprises | Zj_K1_U02 |
| | U2 | independently supplement and improve skills in the field of ethics and responsible business; understands the concept of ethical dilemmas in the context of professional and social development | Zj_K1_U06 |
| Social competences: (Within the scope of competence, the graduate is ready to) | K1 | conduct business in an ethical, socially responsible manner, and ensure respect for the achievements and traditions of the profession | Zj_K1_K02 |
| Course content ensuring the achievement of learning outcomes: | | Familiarizing students with the principles of responsibility in the enterprise; shaping entrepreneurial attitudes focused on the following aspects: economic, social, and environmental; key skills of independent decision-making/problem-solving based on the principles of ethics and responsibility in life and economic activities. | |
| Examination methods: | | Test (written or computer based) | |

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|---|----|---|-------------------------------|
| Subject name: | | Preliminary Seminar | ECTS: 1 |
| Effects: | | The content of the effect assigned to the subject: | Directional effect reference: |
| Knowledge: (In terms of knowledge, the graduate knows and understands) | W1 | the specificity of research in management | Zj_K1_W03 |
| | W2 | norms and styles of bibliographic descriptions in diploma theses | Zj_K1_W04 |
| Skills: (In terms of skills, the graduate can) | U1 | analyse the causes and effects of phenomena occurring in the economy in terms of management | Zj_K1_U01 |
| Social competences: (Within the scope of competence, the graduate is ready to) | K1 | update knowledge with the most important research issues | Zj_K1_K02 |
| Course content ensuring the achievement of learning outcomes: | | Fundamentals of research methodology in management. Mastering the formal requirements necessary to prepare a diploma thesis, understanding good practices in the preparation of a diploma thesis - the way of preparing footnotes, referring to sources. Ability to analyse a scientific text. Overview of APA bibliographic description style. | |
| Examination methods: | | Written or computer based test | |

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| Subject name: | | Production and Service Management | ECTS: 3 |
| Effects: | | The content of the effect assigned to the subject: | Directional effect reference: |
| Knowledge: (In terms of knowledge, the graduate knows and understands) | W1 | the importance of production in the economy | Zj_K1_W01 |
| | W2 | socio-economic and environmental conditions of the manufacturing process | Zj_K1_W04, Zj_K1_W05 |
| Skills: (In terms of skills, the graduate can) | U1 | plan a change to improve the health of your manufacturing or service business | Zj_K1_U02 |
| | U2 | critically assess the chances of carrying out the planned undertaking | Zj_K1_U01, Zj_K1_U02 |
| Social competences: (Within the scope of competence, the graduate is ready to) | K1 | propose own implementation project (for self-fulfilment, development of own business, or development of the employer's organization) | Zj_K1_K02 |
| | K2 | perform teamwork | Zj_K1_K03 |
| Course content ensuring the achievement of learning outcomes: | | Management of production processes, the importance of production resources, quality, ergonomics, and occupational health and safety. The essence of production and service management. The process of preparing production from market recognition to delivery of production. | |
| Examination methods: | | Project, Assessment of speeches during classes | |

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|---|----|---|-------------------------------|
| Subject name: | | Marketing and Market Research | ECTS: 4 |
| Effects: | | The content of the effect assigned to the subject: | Directional effect reference: |
| Knowledge: (In terms of knowledge, the graduate knows and understands) | W1 | market and marketing elements | Zj_K1_W01 |
| | W2 | methods of collecting and analysing market and marketing data | Zj_K1_W03 |
| Skills: (In terms of skills, the graduate can) | U1 | design, organize and coordinate research into various market phenomena and processes | Zj_K1_U01 |
| | U2 | interpret, critically evaluate and present the results of marketing research | Zj_K1_U05 |
| Social competences: (Within the scope of competence, the graduate is ready to) | K1 | collaborate and perform teamwork | Zj_K1_K03 |
| Course content ensuring the achievement of learning outcomes: | | Elements of the theory and practice of marketing research; obtaining information from primary and secondary sources; analysis of market phenomena and marketing activities of enterprises; presentation of the results of marketing research. | |
| Examination methods: | | Written exam, Project, Assessment of speeches during classes | |

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|---|----|---|-------------------------------|
| Subject name: | | Management of Enterprise Finance | ECTS: 4 |
| Effects: | | The content of the effect assigned to the subject: | Directional effect reference: |
| Knowledge: (In terms of knowledge, the graduate knows and understands) | W1 | corporate finance principles | Zj_K1_W01 |
| | W2 | methods and tools used in solving problems in the field of corporate finance | Zj_K1_W03 |
| Skills: (In terms of skills, the graduate can) | U1 | use theoretical knowledge to make rational investment and financing decisions | Zj_K1_U01 |
| Social competences: (Within the scope of competence, the graduate is ready to) | K1 | properly conduct the financial analysis and interpretation of its results | Zj_K1_K03 |
| Course content ensuring the achievement of learning outcomes: | | Issues of corporate finance management; principles of raising capital and assessing the effectiveness of its use; tools for making investment decisions in the enterprise; analysis of the company's financial condition. | |
| Examination methods: | | Written exam, Written credit, Project | |

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|---|----|---|-------------------------------|
| Subject name: | | Agricultural Policy | ECTS: 3 |
| Effects: | | The content of the effect assigned to the subject: | Directional effect reference: |
| Knowledge: (In terms of knowledge, the graduate knows and understands) | W1 | mechanisms and Instruments of interventionism in agriculture | Zj_K1_W01 |
| | W2 | functioning of government agencies in the field of the food economy | Zj_K1_W04 |
| Skills: (In terms of skills, the graduate can) | U1 | analyse the causes of interventions and make decisions in this regard | Zj_K1_U01 |
| Social competences: (Within the scope of competence, the graduate is ready to) | K1 | collaborate and perform teamwork | Zj_K1_K03 |
| Course content ensuring the achievement of learning outcomes: | | Agricultural policy options; the functioning of government agencies in the field of food economy; mechanisms of political decision-making in the EU regarding the food economy. | |
| Examination methods: | | Written credit, Presentation | |

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|---|----|--|-------------------------------|
| Subject name: | | Diploma seminar | ECTS: 3 |
| Effects: | | The content of the effect assigned to the subject: | Directional effect reference: |
| Knowledge: (In terms of knowledge, the graduate knows and understands) | W1 | issues of compliance with the rules of copyright in using the works of others | Zj_K1_W03 |
| | W2 | research methods and techniques in the area of management | Zj_K1_W05 |
| Skills: (In terms of skills, the graduate can) | U1 | formulate their own conclusions based on the presented results of research in the area of management | Zj_K1_U01 |
| | U2 | plan and organize individual work | Zj_K1_U05 |
| Social competences: (Within the scope of competence, the graduate is ready to) | K1 | recognize the importance of knowledge in professional life, perform critical analysis of its resources, and search for its sources among experts | Zj_K1_K01 |
| Course content ensuring the achievement of learning outcomes: | | Compliance with copyright rules; the ability to practically apply the requirements for the diploma thesis while writing it; the ability to use scientific terminology consistent with the undertaken research problem; presenting the topics and scopes of diploma theses, presenting the concept (theoretical and empirical) of the bachelor thesis (presentation, discussion), presenting research results, and preparing a presentation to defend the thesis at the diploma exam. | |
| Examination methods: | | Assessment of speeches during classes | |

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|---|----|--|-------------------------------|
| Subject name: | | Practice | ECTS: 6 |
| Effects: | | The content of the effect assigned to the subject: | Directional effect reference: |
| <p>Knowledge: (In terms of knowledge, the graduate knows and understands)</p> <p>Skills: (In terms of skills, the graduate can)</p> <p>Social competences: (Within the scope of competence, the graduate is ready to)</p> | W1 | the importance of practical experience in functioning in the labour market | Zj_K1_W01 |
| | U1 | use the knowledge acquired during the classes for practical activities in the enterprise, with a focus on management issues | Zj_K1_U05 |
| | K1 | cooperate in a group and take up challenges related to professional work | Zj_K1_K03 |
| Course content ensuring the achievement of learning outcomes: | | Enabling the student to verify the knowledge he acquired during classes; obtaining economic, production, and management information from economic units in order to analyse them during classes (after practice); acquiring the necessary (on the labour market) practical experience. | |
| Examination methods: | | Report, Presentation | |

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|---|----|--|-------------------------------|
| Subject name: | | Marketing Management and Planning | ECTS: 3 |
| Effects: | | The content of the effect assigned to the subject: | Directional effect reference: |
| <p>Knowledge: (In terms of knowledge, the graduate knows and understands)</p> <p>Skills: (In terms of skills, the graduate can)</p> <p>Social competences: (Within the scope of competence, the graduate is ready to)</p> | W1 | issues in the field of management and marketing planning | Zj_K1_W03 |
| | U1 | characterize functional marketing strategies | Zj_K1_U02 |
| | U2 | formulate a marketing plan | Zj_K1_U05 |
| | K1 | collaborate and perform teamwork | Zj_K1_K03 |
| Course content ensuring the achievement of learning outcomes: | | The essence and basic concepts of management and planning. Solutions, tools, and methods in marketing planning and management. Marketing instruments and tools. Marketing planning, strategies, and marketing instruments. | |
| Examination methods: | | Written credit, Project, Assessment of activity during classes | |

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|---|----|--|-------------------------------|
| Subject name: | | Quality Management | ECTS: 4 |
| Effects: | | The content of the effect assigned to the subject: | Directional effect reference: |
| Knowledge: (In terms of knowledge, the graduate knows and understands) | W1 | quality management issues | Zj_K1_W03 |
| | W2 | various quality assurance systems | Zj_K1_W04 |
| Skills: (In terms of skills, the graduate can) | U1 | use selected methods and tools for quality improvement | Zj_K1_U05 |
| Social competences: (Within the scope of competence, the graduate is ready to) | K1 | work in a team and take on various challenges | Zj_K1_K03 |
| Course content ensuring the achievement of learning outcomes: | | Concepts in the field of standardization, certification, and integration of quality management systems. The concept of TQM includes the basic methods and tools for improving quality. ISO standards and selected industry quality management standards. | |
| Examination methods: | | Written exam, Written credit, Project, Assessment of activity during classes | |

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|---|----|---|-------------------------------|
| Subject name: | | Project Management | ECTS: 3 |
| Effects: | | The content of the effect assigned to the subject: | Directional effect reference: |
| <p>Knowledge: (In terms of knowledge, the graduate knows and understands)</p> <p>Skills: (In terms of skills, the graduate can)</p> <p>Social competences: (Within the scope of competence, the graduate is ready to)</p> | W1 | theoretical assumptions in the field of project management | Zj_K1_W01 |
| | W2 | links between individual stages of the project life cycle | Zj_K1_W04 |
| | U1 | correctly plan the project with the use of appropriate tools | Zj_K1_U05 |
| | K1 | cooperate in a group and perform teamwork, assuming both executive and initiating roles | Zj_K1_K03 |
| Course content ensuring the achievement of learning outcomes: | | The essence and specificity of the project. Project management. Stages of creating a project. Tools used in the project management process. | |
| Examination methods: | | Written credit, Project | |

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|---|----|---|--|
| Subject name: | | Bachelor thesis | ECTS: 10 |
| Effects: | | The content of the effect assigned to the subject: | Directional effect reference: |
| <p>Knowledge: (In terms of knowledge, the graduate knows and understands)</p> <p>Skills: (In terms of skills, the graduate can)</p> <p>Social competences: (Within the scope of competence, the graduate is ready to)</p> | W1 | Issues and topics within the scientific disciplines forming the theoretical foundations that enable the understanding of phenomena and processes characteristic of the field of Management. | Zj_K1_W01, Zj_K1_W02, Zj_K1_W03, Zj_K1_W04, Zj_K1_W05, Zj_K1_W06 |
| | U1 | To define the research problem and its individual stages, adjusted to the requirements of the research topic being pursued. | Zj_K1_U01, Zj_K1_U02, Zj_K1_U03, Zj_K1_U04, Zj_K1_U05, Zj_K1_U06 |
| | U2 | To appropriately select and correctly interpret academic texts, and to present solutions to research problems. | Zj_K1_U01, Zj_K1_U02, Zj_K1_U03, Zj_K1_U04, Zj_K1_U05, Zj_K1_U06 |
| | K1 | To recognise the importance of knowledge in professional work, to critically assess one's own knowledge resources, and to make use of sources available in the academic literature. | Zj_K1_K01, Zj_K1_K02, Zj_K1_K03, Zj_K1_K04 |
| Course content ensuring the achievement of learning outcomes: | | The student prepares a literature review related to the selected research topic, conducting a critical analysis of the available sources. Subsequently, the student develops the methodological concept of the diploma thesis, including the formulation of the main objective and specific objectives, as well as the formulation of research hypotheses and the specification of methods for their verification. The student becomes familiar with research methods applied in the given thematic area and with the stages of the research process, including the principles of planning and scheduling the implementation of individual research stages. | |
| Examination methods: | | Oral examination | |

Programme indicators

| Name | Value |
|---|-----------------|
| Potwierdzenie - na podstawie planu studiów, że student ma możliwość wyboru zajęć, którym łącznie przypisano liczbę punktów ECTS nie niższą niż 30% ECTS określonych dla programu tych studiów | 59/180 (32.78%) |
| Potwierdzenie, że program studiów o profilu ogólnoakademickim obejmuje zajęcia związane z prowadzoną w uczelni działalnością naukową, w wymiarze większym niż 50% liczby punktów ECTS, określonej dla programu tych studiów | 86/180 (47.78%) |
| Potwierdzenie, że liczba punktów ECTS uzyskanych w programie studiów poprzez realizację zajęć z wykorzystaniem metod i technik kształcenia na odległość jest nie wyższa niż 75% ogólnej liczby punktów ECTS w programie studiów o profilu ogólnoakademickim | 21/180 (11.67%) |
| Liczba godzin w programie | 2031 |