MIĘDZYNARODOWA
WYŻSZA SZKOŁA
LOGISTYKI I TRANSPORTU
WE WROCŁAWIU

STUDY PROGRAMME

Second-cycle (Master's level)

English-language

full-time studies

Field of study: LOGISTICS

Practical profile

WROCLAW

2020

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1. GENERAL CHARACTERISTICS OF THE STUDIES CONDUCTED

1.1. Normative assumptions

- **Level of education:** second-cycle studies
- **Form of study:** full-time
- **Educational profile:** practical
- **Duration:** 4 semesters – English language studies
- **Total number of hours:** full-time studies: **3370, including 1757 in implementation with the participation of lecturers and students**
- The number of ECTS credits required to obtain the qualification (Master's degree) is 120.
- The programme leads to the award of a **Master's degree.**
- **Admission requirements:** Persons holding a master's, engineer's, bachelor's degree or equivalent obtained in one of the preferred fields of study: Logistics, Management, Economics, Management and Production Engineering, other fields of social sciences and technology meeting the requirements set out in the Senate's resolution on the conditions and procedure of recruitment may apply for admission to second-cycle studies in the field of Logistics. In each case, the dean determines the program differences and the method of settling them. The basis for determining the qualifications required for admission to the studies will be the reference of the field of Logistics and second-cycle studies to the preferred fields of study.

The programme is based on the following legal acts and regulatory documents:

- Act of 20 July 2018 on Higher Education and Science (Journal of Laws of 2018. item 1668 as amended); Regulation of the Minister of Science and Higher Education of 14 November 2018 on the characteristics of the second level of learning outcomes for qualifications at levels 6-8 of the Polish Qualifications Framework (Journal of Laws of 2018, item 2218);
- Regulation of the Minister of Science and Higher Education of 27 September 2018 on studies (Journal of Laws of 2018, item 1861);
- Act of 22 December 2015 on the Integrated Qualifications System (Journal of Laws of 2017, items 986 and 1475 and of 2018, items 650 and 1669);

Documentation developed for the needs of the curriculum for the field of study **Logistics** It consists of the following parts:

- general characteristics of the studies conducted,

- description of the expected learning outcomes,
- description of the study programme,
- a description of the conditions for conducting studies and the methods of education,
- a description of the internal system of quality assurance of education.

A detailed description of individual parts is an essential element of this study and constitutes a comprehensive, coherent and formal approach to the curriculum at the International University of Logistics and Transport in Wrocław.

1.2. Location of the field of study in the areas of education and the profile of the graduate

The field of study of the second-cycle **Logistics** with a practical profile belongs to the discipline of management and quality sciences.

The mission of the International University of Logistics and Transport is to educate specialists in the field of logistics and related fields, highly rated by the market, taking into account the latest market trends, maintaining high quality standards and international standards of education.

The University aims to develop the skills and competences of graduates, in accordance with the requirements of the labour market, which will allow them to maintain openness to change, innovation and professional mobility throughout their working lives. The University supports the creation of interdisciplinary and creative research teams, actively working for the development of Polish science. It also ensures the transfer of knowledge between science and practice through the implementation of joint development projects. It co-creates and develops network organizations associating scientific and research centers in Poland and abroad. Recognising that synergy is achieved through cooperation, the University cooperates with domestic and foreign partners in the research, teaching and business areas.

The aim of the International University of Logistics and Transport in Wrocław is:

- creation of a modern educational base for students of Logistics and related fields.
- educating highly rated staff in accordance with the needs of the labour market,
- improving the quality of education through the research activity of scientific staff and students,
- enabling graduates to function freely in an integrated Europe by providing contacts with representatives of the European world of business and science,

- supporting graduates in finding or changing jobs, through close cooperation with regional and European employers,
- active participation in the development of the region and the country in the scientific, research and cultural spheres.

At the same time, the University is constantly improving the adopted concept of education, expanding its educational offer with new specializations and forms of education corresponding to changing market needs. When preparing the curriculum for first-cycle studies in 2002, MWSLiT used the exemplary modular structure of the curriculum used by the French partner. On the basis of this model, an original curriculum was created, which already at that time met the requirements of the National Qualifications Framework introduced in 2011 in this area.

When formulating the concept of education for second-cycle studies, the creators of the programmes focused special attention on the business aspects of logistics activities and the improvement of managerial skills of future graduates. For this reason, the curricula are dominated by subjects related to management sciences and the so-called managerial logistics.

The presented concept of education, based on a combination of substantive knowledge with a European dimension with practical skills, refers to the adopted mission of the University and the related main strategic goals, such as interdisciplinary education, education in logistics methods and tools, creating attitudes of active and creative work in a team and preparing graduates to work in an integrated Europe.

Labour market research shows that logistics processes are carried out in every economic and administrative unit. The development of the economy, trade and comprehensive international cooperation force the need for high-class specialists dealing with the management of logistics processes. In order to improve the flexibility and adaptability of the organization, the market is looking for specialists – logistics managers, who, through their activities, contribute to improving overall efficiency and reducing operating costs.

A high level of education should result from the implementation and implementation of the education quality assurance system, based on the following procedures:

- creating and implementing teaching content,
- selection of staff and staffing of classes,
- motivating them to study and work well,
- control and develop the quality of didactics.

Taking care of quality in scientific and didactic activities assumes an individual approach of each lecturer based on the pursuit of technical excellence, as well as comprehensive

activities within the quality assurance system and the implementation of solutions in the field of the Polish Qualifications Framework.

A great advantage of studying at MWSLiT is the international dimension of education, related to:

- the opportunity to study and internship abroad under the ERASMUS+ programme,
- conducting classes in English, including by lecturers from abroad,
- creating conditions for learning foreign languages, within two independent subjects, in a standard significantly exceeding the minimum,
- organizing classes with foreign lecturers and the possibility of obtaining a double diploma – from the home university and a cooperating university – a Polish and French diploma (issued by the Université de Lorraine based in Nancy) with a master's degree and a CILT certificate.

The adoption of such assumptions in education in the field of study means maintaining a high level of maturity in the didactic process and is a superior value, not only in science and education, but also in the entire conduct towards the environment. In the conduct of each employee, this means respecting ethical and environmental rules in the pursuit of scientific truth and in the education of students.

During the second-cycle studies, the student will be equipped with in-depth theoretical and practical knowledge in the field of technical sciences in the field of transport and related specialties. In order to properly perform tasks in the field of logistics, it is required for the student to acquire knowledge in the field of using modern management concepts in the logistics process. Knowledge in the field of related sciences is primarily managerial knowledge in the field of logistics manager. The whole is related to the acquisition of specific, in-depth general and specialty knowledge, as well as the formation of ethical and social sensitivity, openness to the other party's reasons, commitment and a sense of responsibility in the work environment and outside of it.

In addition to economic knowledge and knowledge of the principles of company management, a graduate of logistics should have extended managerial skills: quickly make accurate and responsible decisions and anticipate their consequences, as well as have the ability to work under pressure. Graduates are expected to demonstrate an excellent understanding of economic processes and the specifics of the company, as well as management methods – managerial skills.

A graduate of second-cycle studies should have knowledge of a foreign language at the B2+ level of proficiency of the Common European Framework of Reference for Languages. Graduates are prepared to undertake third-cycle (doctoral) studies. After graduation, graduates will obtain a master's degree. Graduates are prepared to work as a specialist in logistics, trade, forwarding companies, etc. Most often, graduates of the field work as procurement and sales coordinators, freight forwarders, sales representatives, warehouse managers. They can also work as sales and demand forecasting specialists, purchasing planning, e-commerce, customer service or distribution center management, as well as fleet administrators and transport organizers.

2. DESCRIPTION OF THE EXPECTED LEARNING OUTCOMES

2.1. Area-based learning outcomes included in the field of study description

Prepared description of learning outcomes for the field of study Logistics follows the following area descriptors:

- Description of learning outcomes in the field of education in the field of social sciences - annex to the Regulation of the Minister of Science and Higher Education of 14 November 2018 on the characteristics of the second level of learning outcomes for qualifications at levels 6-8 of the Polish Qualifications Framework [Journal of Laws of 2018, item 2218]**;**
- Descriptors of the European Qualifications Framework and the Polish Qualifications Framework.

In order to present the descriptors, the convention on the description of learning outcomes introduced in the Regulation of the Minister of Science and Higher Education on the National Qualifications Framework for Higher Education was adopted, which was adapted to the current legal regulations in this area, for example:

a) **K2_W01_L_P -** Learning Outcomes for Second-cycle Studies, in the field of knowledge, No. 1, related to the universal characteristics of effects for the field of Logistics, practical profile:

KNOWLEDGE		
K2_W01_L_P	The graduate has in-depth knowledge necessary to identify, describe and analyze the economic and organizational determinants of logistics activities, in particular in the field of controlling and evaluating logistics processes.	P7U_W
…	….	**…**

b) For the field of study, a table with a name containing the level of education (second-cycle studies) and the profile of education (practical) was used.

The developed descriptors are presented in tables and matrices for the level of study and the profile of education, which allow for the explanation of their relationship in the system: area of education - field of study - study plan.

2.2. General description of learning outcomes

The learning outcomes include the in-depth knowledge gained during the studies, the skills acquired and the social competences acquired.

A graduate of second-cycle studies in the field of Logistics has systematized, in-depth knowledge in the field of logistics of business entities, in particular related to initiating, planning, organizing, implementing, controlling, analyzing and evaluating logistics processes in enterprises, implementing systemic, innovative logistics solutions in enterprise management on the domestic and international market. After graduation, the graduate is prepared to perform managerial functions and run their own business in the field of logistics.

A graduate of the *Industrial Systems Engineering* specialization is prepared to work in domestic and international manufacturing companies, consulting companies dealing with the optimization of production processes, enterprises integrating production flows, companies dealing with the implementation of integrated IT solutions.

A graduate of second-cycle studies demonstrates the following general learning outcomes:

- The graduate should have in-depth knowledge of the functioning of modern logistics systems and an extended foundation of economic sciences, organization and management, as well as have developed managerial skills. This consists primarily of knowledge resulting from the learning outcomes in the field of technical sciences, but supplemented in the managerial aspect by specific effects in the field of social sciences;
- Should have the skills to solve logistical problems, including:
  - design of logistics systems and logistics processes;
  - management of specialized logistics functions and logistics processes;
  - use IT support systems for logistics management;
  - managing costs, finances and capital, as well as selecting and training staff.

The developed programme learning outcomes include (listed in order):

- a reference table of programme learning outcomes to area effects,
- a table of coverage of area effects by programme learning outcomes (in the field of social sciences).

2.3. Detailed learning outcomes of the field

Table 1. Reference table of programme learning outcomes to universal effects and characteristics of the second level of learning

Symbol	Learning outcomes for the field of study: Logistics, Second-cycle studies, four-semester, practical profile	Reference to Universal Outcomes and Characteristics of Second Level Learning – Level 7

Symbol	Learning outcomes for the field of study: Logistics, Second-cycle studies, four-semester, practical profile	Reference to Universal Outcomes and Characteristics of Second Level Learning – Level 7
KNOWLEDGE		
K2_W01_L_P	He/she has in-depth knowledge necessary to identify, describe and analyze the economic and organizational determinants of logistics activities, in particular in the field of controlling and evaluating logistics processes.	**P7U_W, P7S_WG**
K2_W02_L_P	He has knowledge of strategic management, including the principles of analyzing, diagnosing and making changes in business entities. He/she knows the methods of strategic analysis of the company and its environment.	**P7U_W, P7S_WG**
K2_W03_L_P	He has extensive knowledge of modern methods and tools of logistics management. It identifies the relationships and dependencies between logistics and other functional areas of the company, including in the international dimension.	**P7U_W, P7S_WG**
K2_W04_L_P	He has knowledge of data acquisition techniques and understands the importance of IT systems in logistics management.	**P7U_W, P7S_WG**
K2_W05_L_P	He/she knows selected methods of designing logistics processes and systems, methods of solving decision-making problems, and methods and techniques used in logistics planning. He can describe them in English.	**P7S_WG**
K2_W06_L_P	He/she understands the essence of logistics services, knows the conditions and principles of marketing management of logistics services.	**P7U_W, P7S_WG**
K2_W07_L_O	He/she knows and understands the essence, meaning and principles of logistics in crisis situations. He has knowledge of corporate insurance and logistics services.	**P7S_WG**
K2_W08_L_P	He has knowledge in the field of transport technology and infrastructure, as well as the basics of design and analysis of processes in logistics systems of material handling and warehousing.	**P7S_WG**
K2_W09_L_P	He has knowledge of legal norms regulating the activities of business entities in Poland and the European Union. He knows and understands the cultural and legal conditions of international logistics activity, including the principles of industrial property and copyright protection.	**P7S_WK**

Symbol	Learning outcomes for the field of study: Logistics, Second-cycle studies, four-semester, practical profile	Reference to Universal Outcomes and Characteristics of Second Level Learning – Level 7
K2_W10_L_P	He/she has in-depth knowledge of economic, technical, legal and organizational issues related to the implemented specialization of education. He/she knows management methods and tools, including planning, organizing, controlling, analyzing, and improving selected processes and systems.	**P7S_WG,** **P7S_WK**
K2_W11_L_P	He/she understands to an in-depth degree the practical applications of knowledge specific to logistics in cultural and media activities.	**P7S_W**
K2_W12_L_P	He/she knows the basics of scientific research methodology and the principles of creating research instruments, uses scientific terminology at an extended level, using English.	**P7U_W,** **P7S_WG,**
SKILLS		
K2_U01_L_P	He/she has the skills to integrate knowledge from various fields, select appropriate methods and tools for identifying, interpreting, describing and analysing problems and areas of logistics activity and its determinants.	**P7U_U,** **P7S_UW**
K2_U02_L_P	He/she is able to plan, organize and manage business ventures. He has the skills to integrate knowledge from various fields in order to create innovative solutions to complex and unusual problems.	**P7U_U,** **P7S_UW**
K2_U03_L_P	Can initiate and manage logistics projects. He has the skills to formulate the general and functional strategy of logistics enterprises and services on the domestic and international market, presenting it in English.	**P7U_U,** **P7S_UW**
K2_U04_L_P	He/she is able to use theoretical knowledge to create simple models of decision-making problems. Has the skills to model and predict the course of selected logistics processes in the company using quantitative methods and IT tools	**P7U_U,** **P7S_UW**
K2_U05_L_P	He/she has the skills to select appropriate methods and tools necessary to control logistics processes and systems, assess their effectiveness, effectiveness and usefulness.	**P7U_U,** **P7S_UW**
K2_U06_L_P	He/she is able to identify opportunities for the development of logistically oriented and integrated management of the company and trends in the logistics services market, in-	**P7S_UW**

Symbol	Learning outcomes for the field of study: Logistics, Second-cycle studies, four-semester, practical profile	Reference to Universal Outcomes and Characteristics of Second Level Learning – Level 7
	cluding in the international dimension.	
K2_U07_L_P	He knows how to plan and organize technological processes in transport. He has basic skills in designing and analyzing processes in logistics systems of material handling and warehousing.	**P7U_U,** **P7S_UW**
K2_U08_L_P	He/she is able to efficiently use legal norms in order to solve problems related to business activity. He/she is able to use knowledge to perform tasks in unpredictable and crisis conditions and present them in oral form or written elaboration in English.	**P7S_UW,** **P7S_UU**
K2_U09_L_P	He/she is able to identify problems, acquire data, use knowledge to describe, analyse and evaluate specific processes and tasks specific to the studied specialty of education.	**P7U_U,** **P7S_UW,** **P7S_UK,** **P7S_UU**
K2_U10_L_P	He/she has an in-depth ability to prepare oral presentations and written studies. First of all, in English, related to the identification, analysis and evaluation of phenomena and processes related to logistics projects.	**P7U_U,** **P7S_UK**
K2_U11_L_P	He/she has in-depth language skills in accordance with the requirements set out for the B2+ level of the Common European Framework of Reference for Languages.	**P7S_UK**
K2_U12_L_P	Understands the need for lifelong learning in order to improve professional, personal and social competences; can inspire and organize the learning process of others.	**P7S_UU**
K2_U13_L_P	He/she is able to interact and work in a group, also in an intercultural environment, taking on various roles in it.	**P7S_UO**
K2_U14_L_P	He/she is able to develop solutions to specific problems, using selected norms and rules (technical, legal, organizational) appropriate to the studied specialization of education, and present them in oral form or written elaboration in English.	**P7U_U,** **P7S_UW,** **P7S_UK,** **P7S_UU**
K2_U15_L_P	Can design a complex device, object, system or process	**P7S_UW,**

Symbol	Learning outcomes for the field of study: Logistics, Second-cycle studies, four-semester, practical profile	Reference to Universal Outcomes and Characteristics of Second Level Learning – Level 7
	related to logistics and implement this project, at least in part, using the right methods, techniques and tools, adapting existing or developing new methods, techniques and tools for this purpose.	
SOCIAL COMPETENCES		
K2_K01_L_P	He/she is able to properly define priorities for the implementation of the task specified by himself or others.	**P7U_K,** **P7S_KR**
K2_K02_L_P	He/she correctly identifies and resolves dilemmas related to the performance of the profession, is aware of the importance of professional behaviour and compliance with the principles of professional ethics.	**P7U_K,** **P7S_KK,** **P7S_KR**
K2_K03_L_P	He/she is able to think and act in an entrepreneurial way, he/she is prepared to create and organize economic projects.	**P7S_KO**
K2_K04_L_P	He/she is able to independently and critically acquire, supplement and improve knowledge and skills, also in other fields; understands the need to share knowledge.	**P7U_K,** **P7S_KK,** **P7S_KR**
K2_K05_L_P	Can cooperate in the preparation of economic projects, taking into account legal, economic and technical aspects; understands the effects of the activity undertaken, including its impact on the environment, and the associated responsibility for the decisions taken.	**P7U_K,** **P7S_KK,** **P7S_KO,** **P7S_KR**

Table 2. Table of coverage of universal effects and characteristics of the second level of learning outcomes by programme learning outcomes.

Symbol	Universal Effects and Characteristics of the Second Cycle for the Field of Social Sciences	Reference to the learning outcomes for the field of study
KNOWLEDGE **The graduate knows and understands:**		

Symbol	Universal Effects and Characteristics of the Second Cycle for the Field of Social Sciences	Reference to the learning outcomes for the field of study
P7U_W	in an in-depth way selected facts, theories, methods and complex relationships between them, also in connection with other fields diverse, complex conditions and axiological context of the conducted activity	**K2_W01_L_P** **K2_W02_L_P** **K2_W03_L_P** **K2_W04_L_P** **K2_W06_L_P** **K2_W12_L_P**
P7S_WG Scope and Depth / Completeness Outlook cognitive and dependencies	to an in-depth degree – selected facts, objects and phenomena and related methods and theories explaining the complex relationships between them, constituting advanced general knowledge in the field of scientific or artistic disciplines forming the theoretical foundations, structured and theoretically supported knowledge covering key issues and selected issues in the field of advanced detailed knowledge – the main development trends of scientific disciplines specific to the curriculum, or relevant to the curriculum in-depth scientific theories specific to the field of study and the directions of their development, as well as advanced research methodology the nature, place and importance of social sciences in the system of sciences and their relations to other sciences to a deeper extent, the characteristics of man as a creator of culture and a subject constituting social structures and the principles of their functioning	**K2_W01_L_P** **K2_W02_L_P** **K2_W03_L_P** **K2_W04_L_P** **K2_W06_L_P** **K2_W07_L_P** **K2_W10_L_P** **K2_W12_L_P**
P7S_WK Background / conditions, Effects	Fundamental dilemmas of modern civilization economic, legal and other conditions of various types of activities related to the awarded qualification, including the principles of protection of industrial property and copyright principles of intellectual property resources management and forms of individual entrepreneurship development	**K2_W09_L_P** **K2_W10_L_P**
SKILLS **The graduate is able to:**		
P7U_U	perform tasks and formulate and solve problems, using new knowledge, also from other fields, independently plan their own lifelong learning and direct others in this area, communicate with diverse audiences, properly justify positions	**K2_U01_L_P** **K2_U02_L_P** **K2_U03_L_P** **K2_U04_L_P** **K2_U09_L_P** **K2_U10_L_P** **K2_U14_L_P**
P7S_UW Usage knowledge / solved Problems and performed Tasks	use the knowledge they possess – formulate and solve complex and unusual problems and perform tasks innovatively in unpredictable conditions by: − proper selection of sources and information derived from them, evaluation, critical analysis, synthesis and creative interpretation and presentation of this information, − selection and use of appropriate methods and tools, including advanced information and communication techniques (ICT) identify, interpret and explain complex social phenomena and	**K2_U01_L_P** **K2_U02_L_P** **K2_U03_L_P**

Symbol	Universal Effects and Characteristics of the Second Cycle for the Field of Social Sciences	Reference to the learning out-comes for the field of study
	processes and relationships between them using knowledge from scientific disciplines specific to the field of study forecast and model complex social processes and their practical effects using advanced methods and tools of scientific disciplines specific to the field of study correctly use normative systems when solving selected problems in the field of scientific disciplines specific to the field of study	**K2_U04_L_P** **K2_U08_L_P** **K2_U09_L_P** **K2_U14_L_P**
P7S_UK Communi-cating/receiving and creating statements, Dissemination of knowledge in the community scientific and ministry language. Aliens	communicate on specialist topics with diverse audiences Debate use a foreign language at the B2+ level of the Common European Framework of Reference for Languages and to a higher degree in the field of specialized terminology	**K2_U09_L_P** **K2_U10_L_P** **K2_U14_L_P**
P7S_UO Organization Work / Planning and Work Team	manage the work of the team	**K2_U13_L_P**
P7S_UU Learning / Planning own develop-ment and devel-opment other people	independently plan and implement their own lifelong learning and guide others in this area	**K2_U08_L_P** **K2_U09_L_P** **K2_U12_L_P** **K2_U14_L_P**
SOCIAL COMPETENCES **The graduate is ready to:**		
P7U_K	creating and developing models of proper behaviour in the work and life environment, taking initiatives, critical assessment of oneself and the teams and organizations in which one partici-pates, leading the group and taking responsibility for it	**K2_K01_L_P** **K2_K02_L_P** **K2_K04_L_P** **K2_K05_L_P**
P7S_KK Ratings / Critical Approach	critical evaluation of the received content recognising the importance of knowledge in solving cognitive and practical problems	**K2_K02_L_P** **K2_K04_L_P** **K2_K05_L_P**
P7S_KO Responsibility / fulfilment of obligations social and acting for the sake of in-terest	fulfilling social obligations, inspiring and organizing activities for the benefit of the social environment initiating action for the public interest think and act in an entrepreneurial way	**K2_K03_L_P** **K2_K05_L_P**

Symbol	Universal Effects and Characteristics of the Second Cycle for the Field of Social Sciences	Reference to the learning outcomes for the field of study
public		
P7S_KR Professional role / independence and the development of ethos	responsible performance of professional roles, taking into account changing social needs, including: − developing the achievements of the profession, − maintaining the ethos of the profession, − observing, developing and working to comply with the principles of professional ethics	**K2_K01_L_P** **K2_K02_L_P** **K2_K04_L_P** **K2_K05_L_P**

The reference of programme learning outcomes to universal and area effects presented in Table 1 is a set of descriptors of the field of study of Logistics adopted by the University Senate. Analysis of the table indicates that all programme learning outcomes are reflected in area effects. For the sake of clarity, this is reflected in Table No. 2 - a table of coverage of universal effects and characteristics of the second degree by programme learning outcomes. Table analysis indicates that all of these effects are reflected in programme learning outcomes.

An important element of curriculum design is to determine the relationship: area effect - programme learning outcomes – learning outcomes for the subject. This relationship is reflected in the syllabus. They show the connection between area and programme learning outcomes with the subjects of education. By relating the programme learning outcomes for the subject to the outcomes for the educational discipline to which the Logistics curriculum has been assigned, it is possible to assign subject outcomes to the learning outcomes defined for the programme (which by definition must refer to area-based outcomes).

This thesis is confirmed by the matrix of major learning outcomes developed for the subjects in the study plan. The implementation of the subjects allows for the achievement of the assumed programme learning outcomes. Positive completion of education, confirmed by the assessment of credits and exams provided for in the syllabus, related to the learning outcomes provided for a given subject, means a positive verification of the curriculum. The adopted procedure allows for the conclusion that all area effects have equivalents in the proposed set of items.

3. STUDY PROGRAMME

3.1. Field and programme management

The method of managing the study programme is specified in the following documents:

1. Regulations of Studies of the International University of Logistics and Transport.
2. Rector's Ordinances on: recruitment, conducting the didactic process, etc.
3. Dean's Ordinance on: the organization of the academic year, the selection of educational specialties; the implementation of elective courses; the rules for submitting diploma theses and the diploma exam; the rules for the implementation of the obligation to attend organizational on-call duties and consultations; developing, collecting and making available syllabus; conducting diploma seminars; conducting classes in university facilities, etc.
4. Internal organizational and control procedures. They are the result of the work of both collegiate and one-person bodies, as well as internal solutions of other entities.

The aim of the study programme management system is to ensure the efficiency and effectiveness of the organisation of the didactic process. The study programme management system includes the following stages of activities:

1) planning and organization of the didactic process;
2) implementation of didactic classes and activities related to the support of didactics and verification of the achievement of learning outcomes;
3) control of the implementation of tasks related to the teaching process.

The planning and organisation of didactic classes is carried out on the basis of the assumptions of the curriculum included in the study plans in the scope of: classes, their distribution in semesters, the rigor of credit, the number of hours of individual forms and teaching methods resulting from ECTS credits. Classes in full-time studies are planned from Monday to Friday, and in the case of part-time studies on Saturdays and Sundays. However, it is allowed to organise university-wide and elective classes outside the general planning scheme, thanks to which it is possible to ensure greater diversity and accessibility of the proposed classes. The flexibility of the organization of classes also applies to the forms and methods of teaching supporting traditional education and includes consultations and work on the e-learning platform. Planning various forms outside of designated conventions allows to ensure convenient and more frequent contact between students and academic teachers. This is also facilitated by the use of distance learning methods and techniques using an e-learning platform as a means of communication.

The implementation of classes is highly standardized. The academic year at the International College of Logistics and Transport is divided into two semesters, with classes lasting 15 weeks each semester. The academic year schedule provides for a 1-week break between semesters. The daily number of classes in full-time studies is from 4-8 hours. Classes are held in 2-hour cycles. Classes are divided by 10-minute breaks. Classes are held in accordance with the schedule of classes so that the implementation of the entire study program is documented.

The implementation of didactic classes organized in a direct form at the university's headquarters is subject to ongoing control. Internal procedures for monitoring the implementation of classes ensure the possibility of quick response to any non-compliance with the adopted plans and serve to improve the curriculum, being an element of the internal quality system. This also applies to classes carried out in the distance learning system in e-learning technology, in compliance with the principle set out in §13 of the Regulation of the Minister of Science and Higher Education of 27 September 2018 on studies (Journal of Laws of 2018, item 1861).

3.2. Description of the study programme

The study programme for second-cycle English-language studies includes 120 ECTS credits that can be obtained over 4 semesters. The study plan includes the total workload of the student necessary to achieve all the adopted learning outcomes, takes into account participation in classes requiring the direct participation of students and academic teachers, as well as independent own work. In the case of English-language studies, graduates receive two diplomas – Polish and French (issued by the Université de Lorraine) with a master's degree and a CILT certificate.

As part of full-time studies, 77 ECTS credits, constituting more than 50% of the curriculum, are carried out in the form of classes requiring the direct participation of academic teachers and students, the remaining ECTS credits reflect the amount of independent work of students necessary to achieve the assumed learning outcomes.

The study programme includes learning modules planned in the following groups of classes:

1) basic and field content - classes in the field of basic sciences, to which the learning outcomes for a specific field of study, level and profile of education refer;
2) specialization modules;
3) proseminar, master's seminar and diploma thesis;

4) internship,
5) foreign language courses.

The study program includes classes of a general nature, enabling students to acquire comprehensive knowledge and social competences. Practical classes include didactic forms requiring the direct participation of academic teachers and students (exercises, laboratories, projects, language courses) and independent work of the student related to the implementation of internships and preparation for practical classes. The program also includes classes carried out using distance learning techniques, which include e-lectures, projects, e-exercises and knowledge tests.

The detailed indicators of the full-time study plan are met and are:

1. the total number of ECTS credits that a full-time student must obtain in classes requiring the direct participation of academic teachers and students is greater than the required 50%;[1]
2. the total number of ECTS credits that a full-time student must obtain as part of practical classes, including laboratory and project classes, is greater than the required 50% (i.e. 67 ECTS);[2]
3. the percentage of ECTS credits that a student obtains by completing elective education modules is greater than the required 30%.[3]

The group of core and major content includes 21 subjects, including a foreign language in logistics, including three optional languages implemented at the B2+ level of proficiency of the Common European Framework of Reference for Languages of the Council of Europe, which enables students to use specialist vocabulary in the field of logistics in a given language.

The group of specialized content contains educational content for the specialization of ***industrial system engineering.***

The preparation of the diploma thesis carried out as part of the following subjects: "Proseminar", "Master's Seminar" and "Diploma Thesis" includes, m.in, the organization of writing a diploma thesis (formulating goals, issues, methodology, result) and prepares students for problem thinking and participation in discussions around a specific topic of the diploma thesis, analysis and interpretation of texts contained in the source literature and inter-

[1] See. Act of 20 July 2018 – Law on Higher Education and Science
[2] See. §3.5 1) Regulation of the Minister of Science and Higher Education of 27 September 2018 on studies [Journal of Laws of 2018, item 1861]
[3] See. §3.3. Regulation of the Minister of Science and Higher Education of 27 September 2018 on studies [Journal of Laws of 2018, item 1861]

pretation of the results of empirical research, as well as formulating and presenting one's own thoughts on the problem being solved. The thesis and the entire graduation process are carried out in English.

In addition, students of all specializations take the subject "Universal Design", the aim of which is to familiarize students with the philosophy of designing products and the environment in such a way that they can be used by all people, to the widest possible extent, without the need for adaptation or special design.

Forms of teaching and methods of education

Classes requiring the direct participation of students and academic teachers are carried out as part of the following didactic forms:

- lectures – classes conducted in the form of informative and problem-based lectures, conversational lectures, including, among others, multimedia presentations;
- e-lectures – classes carried out in a synchronous (online) mode, meeting the requirement of the presence of the lecturer and students at the same time during classes carried out remotely, including various forms of knowledge verification;[4]
- exercises - practical classes conducted in small groups, using such didactic methods as: business game, management game, text analysis with discussion, computer simulation, group work, discussion, problem solving, brainstorming, etc.;
- e-exercises – classes carried out in a synchronous (online) mode, by a lecturer who works with students remotely using the University Educational Platform in the form of group and individual classes with the possibility of two-way communication and video technology, enabling "on an ongoing basis" to make PE resources available to students;[5]
- projects - classes of a practical nature conducted in groups separated within auditory groups, of a problem-based and project-based nature, the aim of which is to initiate active behaviour and to direct and supervise practical activities of students carried out in order to solve a problem and make decisions;
- laboratories - practical classes conducted in a laboratory with the use of IT equipment;
- language courses - foreign language courses;
- seminar - classes conducted in small groups, the aim of which is to develop a diploma project and prepare for the diploma exam;

[4] See. §13. Regulation of the Minister of Science and Higher Education of 27 September 2018 on studies [Journal of Laws of 2018, item 1861
[5] Ibid

- credits and exams - verification of the learning outcomes of individual learning modules, conducted at the university's headquarters after the completion of all didactic forms within a given module. It consists of the final control and assessment of the degree of achievement of the assumed learning outcomes for a given module;

As part of their own work, the student independently implements the following forms of education:

- preparation for practical classes - development of tasks, projects, case studies, tests, etc. commissioned as part of didactic forms of a practical nature;
- Asynchronous e-learning – studying the content of classes developed by the lecturer, solving tasks (including tests) verifying knowledge and consultations with the lecturer in the scope of the subject being implemented.
- preparation of a master's thesis along with preparation for the diploma exam;
- preparation for credits and exams.

The forms of conducting classes are related to the organization of the didactic process and the management of educational resources. Students of the field participate in various forms of didactic classes: lectures, exercises, workshops, seminars, laboratories and projects. Lectures are conducted by experienced teachers and recognized specialists in a given field, holding the academic degree of doctor, habilitated doctor or professor. Classes in English are carried out largely by French lecturers, as part of an agreement between universities. It is allowed, on the basis of the authorization of the University Senate, that lectures are carried out by logistics specialists – practitioners. In addition to traditional forms of active classes, such as exercises in groups or laboratory classes, students take part in such forms as: workshops, training forms of classes, as well as the implementation of individual or team forms of students' work through the method of case analysis, development and public presentation of projects as part of diagnostic and design workshops.

The forms of education are reflected in the teaching methods used. At the University, an important importance is given to the methods of conducting classes used by academic teachers, including their work and cooperation with students. Both the forms of classes and the methods of education included in the curriculum of the Logistics field of study are subordinated to the students' achievement of the assumed learning outcomes. This is the purpose of the developed documentation describing the curriculum, containing detailed guidelines and practical tips. This is also the purpose of allocating educational resources to the field.

Verification of learning outcomes, passing the course and determining the grade

The implementation of the forms and methods included in the curriculum is described in detail in the University Education Quality Assurance System. The condition necessary for the implementation of education at a high level, which is the organizational and methodological preparation of the faculty for the implementation of classes, has also been met.

The modular approach to the study programme makes the detailed determination of the academic teacher's workload on the basis of the number of hours of classes in the study plan (contact hours) inadequate to the changes taking place in the way the education process is implemented. A lecturer of a subject who has to comprehensively or even systematically program his work and the work of other colleagues, understanding the relationships between the forms and methods used in the context of learning outcomes, becomes a "mentor" who leads his team and students to achieve the assumed goals.

A particularly important issue in the description of the curriculum is the verification of learning outcomes. The analysis of the interdependence of these effects shows that the subjects of the study plan are the place of their actual verification. Verification of learning outcomes is understood as the assessment of the student’s work in order to determine whether the intended learning outcomes have been achieved. Well-developed syllabi by lecturers, verified by the dean, are largely a tool for validating learning outcomes.

Lecturers, in accordance with the Dean's order, are also obliged to collect examination documentation (e.g. sets of exam questions, tests, projects, etc.) that will allow to verify the achievement of the learning effect. It was assumed that the achievement of the assumed effects by the student is the basis for passing the course. This grade is expressed on a multi-valued scale specified in the Study Regulations of the International University of Logistics and Transport (score: 2, 3, 3.5, 4, 4.5, 5). For each subject of the study program, only one didactic rigor is provided.

Study plans

An essential part of the developed curriculum is the study plan. Due to the complexity of the adopted solutions, this plan is a separate annex. The plan is a semester-long list of

adopted solutions. The plan for English-language studies includes the names of the subjects in English.

3.3. Method of determining ECTS scores

The International University of Logistics and Transport uses the European Credit Transfer and Accumulation System (ECTS), which is a student-oriented system adopted and applied based on the assessment of the student's workload to achieve learning outcomes.

In the design of the curriculum, it was assumed that ECTS can only be obtained after completion of the required work and appropriate assessment of the learning outcomes achieved. These outcomes are sets of competencies that determine what the student will know, understand, or be able to do after completing the learning process, regardless of how long the process takes. The student's workload in ECTS includes the time required to complete all classes planned in the education process (didactic forms) and forms of independent work of the student, such as attending lectures, participating in seminars, independent learning, preparing projects, exams, etc. Credits are assigned to all components of the study programme (such as modules, groups of subjects, subjects including all teaching forms, internship, thesis) and reflect the amount of work required to achieve the specific learning outcomes of each component, in relation to the total workload required to complete the entire year of study.

The study program specifies that the number of credits for an academic year is 60, and the required number of ECTS credits to complete a four-semester second-cycle study in the field of Logistics in English is 120 ECTS.

In the solutions for this curriculum, it is assumed that the student's workload includes participation in various forms of classes with the participation of academic teachers (face-to-face hours), but also time spent on independent learning – preparation for these classes, independent study of course and e-learning materials, completion of project tasks or preparation for credits and exams (hours without the participation of a lecturer). These solutions are therefore much more detailed. It should also be emphasized that the amount of work that formed the basis for determining ECTS credits took into account the possibilities of achieving the assumed learning outcomes of an "average" student.