**ZARZĄDZENIE NR 122**

**Rektora Zachodniopomorskiego Uniwersytetu Technologicznego w Szczecinie  
z dnia 30 października 2023 r.**

**w sprawie opisów efektów uczenia się w tłumaczeniu na język angielski  
dla kierunków studiów prowadzonych na Wydziale Ekonomicznym**

Na podstawie art. 23 ustawy z dnia 20 lipca 2018 r. Prawo o szkolnictwie wyższym i nauce (tekst jedn. Dz. U. z 2023 r. poz. 742, z późn. zm.) w związku z § 3 ust. 7 zarządzenia nr 64 Rektora ZUT z dnia 1 października 2019 r. w sprawie zasad sporządzania i wydawania dyplomów ukończenia studiów i suplementów do dyplomu (z późn. zm.) zarządza się, co następuje:

**§ 1.**

1. W celu wydania na wniosek absolwenta odpisu suplementu do dyplomu w tłumaczeniu na język angielski wprowadza się – uchwalone przez Senat – opisy efektów uczenia się w tłumaczeniu na język angielski dla kierunków studiów prowadzonych na Wydziale Ekonomicznym.
2. Opis efektów uczenia się w tłumaczeniu na język angielski dla poszczególnych kierunków studiów stanowi integralną cześć odpisu suplementu do dyplomu.

**§ 2.**

Opisy efektów w tłumaczeniu na język angielski w wydawanych odpisach suplementów do  dyplomu dla kierunków studiów rozpoczynających się:

1. od roku akademickiego 2019/2020:
2. ekonomia, studia pierwszego stopnia – stanowi załącznik nr 1,
3. ekonomia, studia drugiego stopnia – stanowi załącznik nr 2,
4. zarządzanie, studia pierwszego stopnia – stanowi załącznik nr 3,
5. turystka i rekreacja, studia pierwszego stopnia – stanowi załącznik nr 4,
6. od roku akademickiego 2023/2024:
7. ekonomia, studia pierwszego stopnia – stanowi załącznik nr 5,
8. ekonomia, studia drugiego stopnia – stanowi załącznik nr 6.

**§ 3.**

W zarządzeniu nr 94 Rektora Zachodniopomorskiego Uniwersytetu Technologicznego w Szczecinie z dnia 6 listopada 2019 r. w sprawie opisu efektów uczenia się w tłumaczeniu na język angielski dla poszczególnych kierunków studiów prowadzonych w ZUT (z późn. zm.) uchyla się w § 1 pkt 3 oraz załącznik nr 3 – Kierunki Wydziału Ekonomicznego.

**§ 4.**

Zarządzenie wchodzi w życie z dniem podpisania.

W zastępstwie Rektora

prof. dr hab. inż. Jacek Przepiórski

prorektor ds. nauki

Załącznik nr 1  
do zarządzenia nr 122 Rektora ZUT z dnia 30 października 2023 r.

Ekonomia studia pierwszego stopnia (na podstawie uchwały nr 40 Senatu ZUT z dnia 26 kwietnia 2019 r.)

**Programme of studies:** *economics*

**Level of qualification:** first cycle studies

**Educational profile:** general academic

**Fields of science:** Social sciences

**Discipline of science:** economics and finance (96%), management and quality studies (4%)

**Name of qualification (Title conferred): licencjat**

**Description of the planned educational effects**

|  |  |
| --- | --- |
| **Code** | **Learning outcomes for programme of studies** |
| **Knowledge** | |
| E1A\_ W01 | Has basic knowledge of economics, its place in the system of social science and connections with other fields of science |
| E1A\_W02 | Knows basic forms of social (public, cultural, political, legal, economic) institutions and their structures |
| E1A\_ W03 | Has basic knowledge of relation between social structures and institutions in national and international scale |
| E1A\_ W04 | Identifies basic kinds of social ties, their influence on economy and knows regularities governing them |
| E1A\_W05 | Has basic knowledge of human being as a subject creating and operating in social and economic structures and knows regularities connected with their functioning |
| E1A\_ W06 | Knows methods and tools of acquiring, processing and presenting data (including information technology data) concerning social and economic phenomena and processes |
| E1A\_ W07 | Has basic knowledge of quantitative methods (including mathematics, statistics, econometrics and decision theory) and knows examples of their application in economic practice |
| E1A\_W08 | Knows basic legal and organisational standards and rules conditioning functioning of economic entities and social institutions, their nature and manners of operation |
| E1A\_W09 | Has systematised knowledge of ethical and moral principles and standards in business |
| E1A\_ W10 | Knows basic concepts and methods of economic processes and human capital management, understands relations between areas and functions of management in social and economic entities |
| E1A\_ W11 | Has basic knowledge of principles of accounting and financial system and its influence on functioning of economy |
| E1A\_ W12 | Has basic knowledge of methods of economic and financial analysis and planning |
| E1A\_ W13 | Has knowledge of opinions on social structures, phenomena and institutions and kinds of social ties as well as of their historical evolutions |
| E1A\_ W14 | Knows and understands basic notions and principles of industrial property ownership protection and copyright |
| E1A\_ W15 | Knows general principles of creating and developing forms of individual entrepreneurship using the knowledge of economics |
| **Skills** | |
| E1A\_ U01 | Can use acquired scientific knowledge for interpreting social and economic phenomena |
| E1A\_ U02 | Can use basic theoretical knowledge and acquire data for analysing specific social and economic processes |
| E1A\_ U03 | Can organise individual and team work |
| E1A\_ U04 | Can identify market structures and select basic tools and methods of their measurement |
| E1A\_ U05 | Appropriately uses legal and organisational standards and rules for solving a specific task in economics |
| E1A\_ U06 | Can indicate sources of financing and has skills of using knowledge of accounting in management processes |
| E1A\_ U07 | Solves macro- and microeconomic problems using a variety of analytical tools, including modern information technology |
| E1A\_ U08 | Can appropriately analyse causes and course of social processes and phenomena in economics |
| E1A\_ U09 | Can forecast social processes and phenomena using standard research methods |
| E1A\_ U10 | Uses acquired knowledge for resolving dilemmas occurring in career |
| E1A\_ U11 | Analyses indicated solutions of specific problems and suggests appropriate solutions in this respect |
| E1A\_ U12 | Has ability of understanding and analysing social phenomena |
| E1A\_ U13 | Has ability of preparing typical written papers in Polish and in a foreign language considering a language of international communication, concerning economics relating to detailed issues using basic theoretical notions and other sources |
| E1A\_ U14 | Has ability to prepare typical oral presentations in Polish and in a foreign language considering a language of international communication, concerning economics relating to detailed issues using basic theoretical notions and other sources |
| E1A\_ U15 | Has a command of specialist vocabulary in economics in a foreign language according to requirements stipulated for level B2 of the Common European Framework of Reference |
| E1A\_ U16 | Can notice trends in economy, including using principles of sustainable development at global regional and local level |
| E1A\_ U17 | Can use information and communications technology (ICT) |
| E1A\_ U18 | Can assess own actions for their economic, financial, legal and moral results |
| E1A\_ U19 | Interprets selected problems of modern economy in view of achievements and opinions of authorities of economics |
| E1A\_ U20 | Has a sill of reporting intentions and effects of performer actions |
| E1A\_ U21 | Has an ability of life-long learning |
| **Social competences** | |
| E1A\_ K01 | Individual and team work (listening, negotiating, persuading, presenting) |
| E1A\_ K02 | Determining priorities serving the performance of tasks set forth by oneself and others |
| E1A\_ K03 | Proper identification and resolving dilemmas connected with following the occupation |
| E1A\_ K04 | Preparing social projects including legal, economic and political issues |
| E1A\_ K05 | Thinking and acting in an enterprising manner |
| E1A\_ K06 | Taking aspects of sustainable development into account in taken actions |
| E1A\_ K07 | Effective fulfilment of set tasks with simultaneous taking ethical principles into consideration |
| E1A\_ K08 | Taking responsibility for own tasks and tasks of a managed team |
| E1A\_ K09 | Showing openness to the world and understanding various cultures |

Załącznik nr 2  
do zarządzenia nr 122 Rektora ZUT z dnia 30 października 2023 r.

Ekonomia studia drugiego stopnia (na podstawie uchwały nr 40 Senatu ZUT z dnia 26 kwietnia 2019 r.)

**Programme of studies:** *economics*

**Level of qualification:** second cycle studies

**Educational profile:** general academic

**Fields of science:** Social sciences

**Discipline of science:** economics and finance (100%)

**Name of qualification (Title conferred): magister**

**Description of the planned educational effects**

|  |  |
| --- | --- |
| **Code** | **Learning outcomes for programme of studies** |
| **Knowledge** | |
| E2A\_W01 | Has advanced knowledge of economics, its place in the system of social science and connections with other fields of science |
| E2A \_W02 | Has advanced knowledge of social structures and institutions and in-depth knowledge of selected social structures and institutions |
| E2A \_W03 | Has in-depth knowledge of relations between social structures and institutions concerning selected social structures and institutions in the category of social ties or selected cultural circles |
| E2A \_W04 | Has knowledge of various kinds of social ties and regularities between them and in-depth knowledge on selected categories of those ties |
| E2A \_W05 | Has advanced knowledge of human as subject creating and acting in social and economic structures and in-depth knowledge of areas of human economic and social activities |
| E2A \_W06 | Knows in depth selected methods and tools for description, including techniques of acquisition, processing and presentation of data and modelling social and economic phenomena as well as identifying regularities governing them |
| E2A \_W07 | Has in-depth knowledge of quantitative methods (including statistical inference, econometrics and forecasting of economic processes) and knows examples of their application in economic practice |
| E2A \_W08 | Has in-depth knowledge of selected systems of legal and organisational standards and rules conditioning functioning of businesses and social institutions, their nature and manners of operation |
| E2A \_W09 | Has in-depth knowledge of selected principles and ethical and moral standards in business |
| E2A \_W10 | Has advanced knowledge of concepts and methods of administration, including human capital, identifies relations between areas and functions of administration of social and economic entities |
| E2A \_W11 | Has in-depth knowledge of financial system and its influence on functioning of economy |
| E2A \_W12 | Has in-depth knowledge of methods of economic and financial analysis |
| E2A \_W13 | Has in-depth knowledge of opinions on social structures, phenomena and institutions as well as kinds of social ties and their historical evolution |
| E2A \_W14 | Knows and understands basic notions and principles concerning industrial property protection and copyright as well as the necessity of management of intellectual property resources |
| E2A \_W15 | Knows principles of creating and developing forms of individual entrepreneurship using knowledge of economics |
| **Skills** | |
| E2A \_U01 | Can use acquired scientific knowledge for interpretation and explanation of social and economic phenomena and their mutual relations |
| E2A \_U02 | Can use theoretical knowledge for description, analysing and formulating opinions on causes and course of specific social and economic processes and phenomena and choose data and methods of their analysis |
| E2A \_U03 | Can organise individual and team work, notice problems and solve them |
| E2A \_U04 | Can use tools and methods of market phenomena measurement |
| E2A \_U05 | Efficiently uses legal and organisational standards and rules to solve a specific task in economics |
| E2A \_U06 | Can choose sources of financing and efficiently uses knowledge of accounting in economic management processes |
| E2A \_U07 | Solves macro- and microeconomic problems using advanced analytical tools, including modern information technologies |
| E2A \_U08 | Can formulate opinions and suggest solutions of problems connected with the course of social processes and phenomena in the field of economics |
| E2A \_U09 | Can forecast and model complex social processes and phenomena using advanced research methods and tools |
| E2A \_U10 | Uses acquired knowledge in various scopes and forms, extended by critical analysis of efficacy and suitability of used knowledge |
| E2A \_U11 | Independently suggests solutions of specific problems and indicates appropriate decisions in this respect |
| E2A \_U12 | Has a sill of understanding and analysing social phenomena, extended by a skill of theoretically broadened assessment of those phenomena in selected fields with the use of a research method |
| E2A \_U13 | Has in-depth sill of preparing various written papers in Polish and a foreign language considered as a language of international communication, in economics or in a field bordering various scientific disciplines |
| E2A \_U14 | Has in-depth sill of preparing oral presentations in Polish and a foreign language considered as a language of international communication, in economics or in a field bordering various scientific disciplines |
| E2A \_U15 | Has a command of specialist vocabulary in economics in a foreign language according to requirements stipulated for level B2+ of the Common European Framework of Reference |
| E2A \_U16 | Can follow and analyse trends in economy and assess effects of sustained development at the global, regional, and local levels |
| E2A \_U17 | Can formulate expectations concerning information and communications technology (ICT) |
| E2A \_U18 | Can verify his/her actions for their economic, financial, legal, and moral results |
| E2A \_U19 | Explains complex problems of modern economy in view of achievements and opinions of authorities in economics |
| E2A \_U20 | Has in-depth sill of reporting intentions and effects of performer actions in Polish and in a foreign language |
| E2A \_U21 | Has a skill pf lifelong learning, inspiring and organising learning process from other people |
| **Social competences** | |
| E2A \_K01 | Individual and team work (listening, negotiation, persuasion, presentation) |
| E2A \_K02 | Determining priorities serving the performance of tasks set forth by oneself and others |
| E2A \_K03 | Proper identification and resolving dilemmas connected with following the occupation |
| E2A \_K04 | Preparing social projects including legal, economic and political issues prediction of various social of results of activities |
| E2A \_K05 | Thinking and acting in an enterprising manner |
| E2A \_K06 | Taking aspects of sustainable development into account in taken actions |
| E2A \_K07 | Effective fulfilment of set tasks with simultaneous taking ethical principles into consideration |
| E2A \_K08 | Taking responsibility for own tasks and tasks of a managed team |
| E2A \_K09 | Showing openness to the world and understanding various cultures |

Załącznik nr 3  
do zarządzenia nr 122 Rektora ZUT z dnia 30 października 2023 r.

Zarządzanie studia pierwszego stopnia (na podstawie uchwały nr 48 Senatu ZUT z dnia 26 kwietnia 2019 r.)

**Programme of studies:***management*

**Level of qualification:** first cycle studies

**Educational profile:** general academic

**Fields of science:** Social sciences

**Discipline of science:** management and quality studies (93%), economics and finance (7%)

**Name of qualification (Title conferred): licencjat**

**Description of the planned educational effects**

|  |  |
| --- | --- |
| **Code** | **Learning outcomes for programme of studies** |
| **Knowledge** | |
| Z\_1A\_W01 | Has basic knowledge of economics and management, its place in the system of social science and connections with other fields of science |
| Z\_1A\_W02 | Knows basic forms of social (public, cultural, political, legal, economic) institutions and their structures |
| Z\_1A\_W03 | Has basic knowledge of state financial system functioning mechanisms and its influence on an organisation management |
| Z\_1A\_W04 | Has basic knowledge of relation between business entities and surrounding organisations |
| Z\_1A\_W05 | Identifies basic kinds of social relations influencing management of organisations and knows regularities governing them |
| Z\_1A\_W06 | Has elementary knowledge of people as subjects creating organisational structure and knows basic notions, regularities and problems of managing people in organisations |
| Z\_1A\_W07 | Explains meaning and manner of collecting information for the needs of managing organisations |
| Z\_1A\_W08 | Has basic knowledge of quantitative methods and is prepared to use them in a decision-making process |
| Z\_1A\_W09 | Has knowledge of basic research methods used in economic assessment of enterprises |
| Z\_1A\_W10 | Knows fundamental legal regulations conditioning activities of business entities |
| Z\_1A\_W11 | Knows the essence of organisations functioning and identifies regularities, instruments and principles of management |
| Z\_1A\_W12 | Identifies processes of changes in organisations, characterises evolution of organisational structures and indicates structure forming factors |
| Z\_1A\_W13 | Identifies factors and their influence on changes in organisations |
| Z\_1A\_W14 | Knows and understands basic notions and principles of industrial property protection and copyright |
| Z\_1A\_W15 | Knows general principles of creating and developing forms of individual entrepreneurship using the knowledge of economics and management |
| **Skills** | |
| Z\_1A\_U01 | Can use acquired scientific knowledge for interpreting social phenomena |
| Z\_1A\_U02 | Is prepared to use basic functions of management |
| Z\_1A\_U03 | Can organise individual and team work |
| Z\_1A\_U04 | Analyses and takes into consideration influence of environment on organisation in decision-making process |
| Z\_1A\_U05 | Realistically assesses limitations of decision-making process |
| Z\_1A\_U06 | Has skill of effective management of an organisation resource |
| Z\_1A\_U07 | Can explain, predict and influence behaviour of people in an organisation |
| Z\_1A\_U08 | Can manage projects |
| Z\_1A\_U09 | Can solve problems connected with management of human resources |
| Z\_1A\_U10 | Can use methods and tools of quality improvement in all areas of an organisation functioning |
| Z\_1A\_U11 | Uses information and communication technologies aiding decision-making process |
| Z\_1A\_U12 | Can determine expectations of market |
| Z\_1A\_U13 | Can determine financing sources and has skill of using knowledge of accountancy in management |
| Z\_1A\_U14 | Can properly analyse causes and course of social processes and phenomena in the field of economics and management |
| Z\_1A\_U15 | Can forecast social processes and phenomena using standard research methods |
| Z\_1A\_U16 | Appropriately uses standard systems and selected standards and rules (legal, professional, ethical) for solving problems concerning management and economics |
| Z\_1A\_U17 | Uses acquired knowledge for solving dilemmas occurring in professional work |
| Z\_1A\_U18 | Has a skill of preparing typical written works in Polish and a foreign language in economics and management concerning detailed issues using basic theoretical notions and other sources |
| Z\_1A\_U19 | Has a skill of oral presentations in Polish and a foreign language in economics and management concerning detailed issues using basic theoretical notions and other sources |
| Z\_1A\_U20 | Has a command of specialist vocabulary in economics and management in a foreign language according to requirements stipulated for level B2 of the Common European Framework of Reference |
| Z\_1A\_U21 | Has a skull of lifelong learning improving acquired knowledge and skills |
| **Social competences** | |
| Z\_1A\_K01 | Individual and team work (listening, negotiating, persuading, presenting) |
| Z\_1A\_K02 | Determining priorities serving the performance of tasks set forth by oneself and others |
| Z\_1A\_K03 | Proper identification and resolving dilemmas connected with following the occupation |
| Z\_1A\_K04 | Preparing social projects including legal, economic and political issues |
| Z\_1A\_K05 | Thinking and acting in an enterprising manner |
| Z\_1A\_K06 | Taking aspects of sustainable development into account in taken actions |
| Z\_1A\_K07 | Effective fulfilment of set tasks with simultaneous taking ethical principles into consideration |
| Z\_1A\_K08 | Taking responsibility for own tasks and tasks of a managed team |
| Z\_1A\_K09 | Showing openness to the world and understanding various cultures |

Załącznik nr 4  
do zarządzenia nr 122 Rektora ZUT z dnia 30 października 2023 r.

Turystyka i rekreacja studia pierwszego stopnia(na podstawie uchwały nr 96 Senatu ZUT z dnia 25.06.2012 r. )

**Programme of study:** *tourism and recreation*

**Educational cycle:** first cycle studies

**Educational profile:** general academic

**Educational area/areas:** social studiesand natural sciences

**Name of qualification/title obtained:** licencjat

**Description of the planned educational effects**

|  |  |
| --- | --- |
| **Code** | **Learning outcomes for programme of studies *tourism and recreation*** |
| **Knowledge** | |
| TiR\_1A\_ W01 | Has general knowledge of natural sciences, social studies, economics, management and related fields adjusted to studied programme of studies |
| TiR\_1A\_W02 | Has general knowledge of various kinds of social structures and institutions in the field of tourism and recreation |
| TiR\_1A\_ W03 | Has general knowledge of main trends in architecture and art on a national scale and in intercultural relations |
| TiR\_1A\_ W04 | Has general knowledge concerning: organising tourist flows, tourist events, role and impact of tourism on local societies, economy and environment |
| TiR\_1A\_W05 | Has general knowledge concerning formulating aims, methods and forms of rational organisation of leisure time and assessment of effects of participation in recreation |
| TiR\_1A\_ W06 | Has general knowledge: of methods, techniques and tools of obtaining data allowing to: understand relations between living organisms and environment, impact of a travelling human on environment, functioning market entities; of assessment: of environment and valuation of its resources, usefulness of geographical space for tourist purposes, economic phenomena and those from the field of management |
| TiR\_1A\_ W07 | Has general knowledge of standards and rules (legal, organisational, moral, and ethical) in: tourist and recreational activities, preparing tourist products |
| TiR\_1A\_W08 | Has general knowledge of processes taking place in institutions, organisations and enterprises in the area of tourism and recreation |
| TiR\_1A\_W09 | Has general knowledge of natural sciences |
| TiR\_1A\_ W10 | Has general knowledge of physiology and functioning of living organisms |
| TiR\_1A\_ W11 | Has general knowledge of the influence of natural environment on a human being |
| **Skills** | |
| TiR\_1A\_ U01 | Can properly interpret (social, legal, economic, natural, geographic, and travel) phenomena in tourism and recreation |
| TiR \_A\_ U02 | Can use basic theoretical knowledge and acquire data for organising work and initiate ventures in tourism and recreation |
| TiR\_1A\_ U03 | Can properly analyse causes and course of specific processes and phenomena in fields and areas of science concerning tourism and recreation |
| TiR \_1A\_ U04 | Can forecast (using methods, techniques and tools) processes and phenomena in fields and areas of science concerning tourism and recreation |
| TiR \_1A\_ U05 | Solves specific tasks in fields and areas of science concerning tourism and recreation basing on learned standards and rules |
| TiR \_1A\_ U06 | Uses acquired knowledge for analysis of specific problems in fields and areas of science concerning tourism and recreation |
| TiR \_1A\_ U07 | Can indicate solutions of dilemmas in fields and areas of science concerning tourism and recreation |
| TiR \_1A\_ U08 | Can prepare oral presentations and typical written works concerning detailed subjects concerning fields and areas of science concerning tourism and recreation using: computer programmes at the level of the European Computer Driving Licence, and also using various primary and secondary sources |
| TiR\_1A\_ U09 | Can characterise and notice cause and effect relations between a human being and nature |
| TiR\_1A\_ U10 | Can enter into contact (communicate) in a foreign language at level B2 of the Common European Framework of Reference of the Council of Europe using specialist language in professional activities |
| **Social competences** | |
| TiR\_1A\_ K01 | Becomes involved in learning process (understands need of lifelong learning) |
| TiR\_1A\_ K02 | Can work in team |
| TiR\_1A\_ K03 | Determines priorities during performance of tasks |
| TiR\_1A\_ K04 | Identifies and resolves problems connected with following the occupation |
| TiR\_1A\_ K05 | Has awareness of significance of social, professional and ethical responsibility for own actions |
| TiR\_1A\_ K06 | Is aware of need of selfimprovement |
| TiR\_1A\_ K07 | Can think and act in an independent and entrepreneurial way |
| TiR\_1A\_ K08 | Has awareness of human influence on natural environment |

Załącznik nr 5  
do zarządzenia nr 122 Rektora ZUT z dnia 30 października 2023 r.

Ekonomia studia pierwszego stopnia (na podstawie uchwały nr 53 Senatu ZUT z dnia 27 marca 2023 r.)

**Programme of studies:** *economics*

**Level of qualification:** first cycle studies

**Educational profile:** general academic

**Fields of science:** Social sciences

**Discipline of science:** economics and finance (80%), management and quality studies (20%)

**Name of qualification (Title conferred): licencjat**

**Description of the planned educational effects**

|  |  |
| --- | --- |
| **Code** | **Learning outcomes for programme of studies** |
| **Knowledge** | |
| E1A\_ W01 | He / she knows and understands at an advanced level economic and social facts and phenomena as well as theories explaining the complex relationships between them constituting the basic general knowledge in the discipline of economics and finance, as well as selected issues in the field of detailed knowledge |
| E1A\_W02 | He / she knows and understands at an advanced level the place of economics and finance in the system of social sciences and the links with other scientific disciplines |
| E1A\_ W03 | He / she knows and understands the research methodology in the field of economics and finance at an advanced level |
| E1A\_ W04 | He / she knows and understands at an advanced level the forms of social institutions (public, cultural, political, legal, economic), their structures, as well as the relationships between them on a national and international scale |
| E1A\_W05 | He / she knows and understands at an advanced level the role of man as an entity creating and operating in socio-economic institutions, as well as managing them, types of social ties, their impact on the economy and the regularities governing them |
| E1A\_ W06 | He / she knows and understands at an advanced level issues in the field of quantitative methods (including mathematics, statistics, econometrics and theory of decision-making), as well as methods and tools (including IT) for obtaining, processing and presenting data on socio-economic phenomena and processes |
| E1A\_ W07 | He / she knows and understands the fundamental economic and social dilemmas of modern civilisation, including the economy |
| E1A\_W08 | He / she knows and understands the basic economic, legal, ethical and other conditions of activities related to the functioning of the economy |
| E1A\_W09 | He / she knows and understands the basic concepts and principles of industrial property protection and copyright |
| E1A\_ W10 | He / she knows and understands the basic principles of creating and developing various forms of entrepreneurship using knowledge of economics and finance |
| **Skills** | |
| E1A\_ U01 | He / she can use knowledge to identify and interpret socio-economic processes and phenomena with the use of methods and tools appropriate for economics |
| E1A\_ U02 | He / she can apply knowledge to formulate and solve complex and unusual problems concerning socio-economic processes and phenomena in the micro-, meso- and macro-scale |
| E1A\_ U03 | He / she is able to solve tasks and problems in conditions that are not fully predictable, properly selecting sources and information from them, making their evaluation, making a critical analysis of them and synthesising them |
| E1A\_ U04 | He / she is able to select and apply appropriate methods and tools, including advanced information and communication techniques for analysing and forecasting economic processes and phenomena and solving economic problems |
| E1A\_ U05 | He / she is able to communicate with the environment using specialist terminology in the field of economics and finance |
| E1A\_ U06 | He / she is able to take part in a debate by presenting and evaluating various positions and opinions and discuss selected problems of the modern economy, using the achievements and views of economics and finance authorities |
| E1A\_ U07 | He / she can prepare typical written works or oral presentations in the field of economics and finance in Polish or a foreign language, on specific issues, using theoretical approaches and various sources |
| E1A\_ U08 | He / she can use a foreign language in accordance with the requirements set out for the B2 level of the Common European Framework of Reference for Languages |
| E1A\_ U09 | He / she is able to plan and organise individual work and cooperate with other people as part of team activities |
| E1A\_ U10 | He / she is able to independently plan and implement his / her own lifelong learning |
| **Social competences** | |
| E1A\_ K01 | He / she is ready to critically assess the possessed knowledge, skills and received content, to recognise the importance of knowledge in solving cognitive and practical problems, and is aware of the need to consult experts in case of difficulties with solving the problem on his / her own |
| E1A\_ K02 | He / she is ready to fulfil social obligations, co-organise projects for the social environment, as well as initiate activities for the public interest |
| E1A\_ K03 | He / she is ready to think and act in an entrepreneurial way |
| E1A\_ K04 | He / she is ready to take social, professional and ethical responsibility for the performed professional roles and to demand it from others, and to care for the achievements and traditions of the profession |
| E1A\_ K05 | He / she is ready to show openness to the world and understanding for different cultures |

Załącznik nr 6  
do zarządzenia nr 122 Rektora ZUT z dnia 30 października 2023 r.

Ekonomia studia drugiego stopnia (na podstawie uchwały nr 53 Senatu ZUT z dnia 27 marca 2023 r)

**Programme of studies:** e*conomics*

**Level of qualification:** second cycle studies

**Educational profile:** general academic

**Fields of science:** Social sciences

**Discipline of science:** economics and finance (72%), management and quality studies (28%)

**Name of qualification (Title conferred): magister**

**Description of the planned educational effects**

|  |  |
| --- | --- |
| **Code** | **Learning outcomes for programme of studies** |
| **Knowledge** | |
| E2A\_W01 | Knows and understands in an in-depth manner economic facts and phenomena, and theories explaining complex relations between them, which is advance general knowledge of economics and finance, and selected issues of advanced detailed knowledge |
| E2A \_W02 | Knows and understands in an in-depth manner place and significance of economics and finance in the system of social sciences, and relations with other scientific disciplines, and the directions of its development |
| E2A \_W03 | Knows and understands in an in-depth manner research methodology of economics and finance |
| E2A \_W04 | Knows and understands in an in-depth manner social structures and institutions, relations between them, ties occurring in them and regularities governing them |
| E2A \_W05 | Knows and understands in an in-depth manner the human role as a subject creating and acting in social and economic structures, and the areas of their social and economic activities |
| E2A \_W06 | Knows and understands in an in-depth manner methods of collecting, processing, interpreting, and presenting data and modelling of social and economic phenomena and processes, in particular quantitative methods (including inferential statistics, econometrics, and forecasting economic processes), and economic and financial analysis methods |
| E2A \_W07 | Knows and understands in an in-depth manner the concept and methods of management, including human capital management, and the relations between the area and functions of management in social and economic entities |
| E2A \_W08 | Knows and understands in an in-depth manner the financial system, and its influence on functioning of economy |
| E2A \_W09 | Knows and understands in an in-depth manner economic and social dilemmas and challenges of the modern civilisation |
| E2A \_W10 | Knows and understands legal, economic, organisational, ethical, and other standards and rules conditioning functioning of economy, including economic entities and social institutions |
| E2A \_W11 | Knows and understands notions and principles concerning industrial property protection and copyright |
| E2A \_W12 | Knows and understands basic principles of forming and developing various forms of entrepreneurship |
| **Skills** | |
| E2A \_U01 | Can use knowledge to formulate and solve complex and untypical problems concerning social and economic processes and phenomena, and to solve problems in unpredictable conditions in and innovative manner |
| E2A \_U02 | Can use knowledge to identify, explain, and forecast social and economic phenomena and relations between them, using appropriate selection of sources and information by their assessment, critical analysis, synthesis, and creative interpretation |
| E2A \_U03 | Can select and use appropriate methods and tools, including advanced information and communication techniques, to analyse, forecast, and model economic processes and phenomena, and to solve economic problems |
| E2A \_U04 | Can formulate and test hypotheses concerning simple research problems relating to economics and finance |
| E2A \_U05 | Can select sources of financing economic projects and use knowledge of accounting in management processes |
| E2A \_U06 | Can use legal and organisational standards and rules in order to solve a specific problem, and verify their activities due to their economic, financial, legal, and legal effects |
| E2A \_U07 | Can analyse trends in economy (and also assess the effects of sustainable development at global, national, regional, and local levels), and complex problems of modern economy in the light of the achievements and views of authorities in economics and finance |
| E2A \_U08 | Can communicate on specialist topics concerning economics and finance with varied circles of recipients |
| E2A \_U09 | Can a have a debate on topics concerning economic issues using the achievements and views of authorities in economics and finance |
| E2A \_U10 | Can speak a foreign language including specialist vocabulary according to the requirements of level B2 plus of the Common European Framework for Languages |
| E2A \_U11 | Can prepare in Polish and a foreign language written papers or speeches concerning economics and finance or concerning a border of various scientific disciplines |
| E2A \_U12 | Can co-operate with other persons in teams adopting various roles, including a role of a leader |
| E2A \_U13 | Can on their own plan and execute a process of constant learning and inspire others to self-improvement |
| **Social competences** | |
| E2A \_K01 | Is ready to critical assessment of their knowledge, skills, and received texsts |
| E2A \_K02 | Is ready to recognise the significance of knowledge of economics and finance in solving cognitive and practical problems, and in case of difficulties in solving them, is ready to use experts’ opinions |
| E2A \_K03 | Is ready to fulfil social obligations taking into consideration legal, economic, ethical, and political aspects, and to organise activities for social environment and public interest |
| E2A \_K04 | Is ready to think and solve problems in a creative and entrepreneurial manner |
| E2A \_K05 | Is ready for responsible playing professional roles taking into consideration changing conditions and social needs by identifying dilemmas relating to practicing the profession, observing, and developing principles of professional ethics, upkeeping professional ethos, and developing achievements of the profession |
| E2A \_K06 | Is ready to show tolerance and openness to various views, attitudes, and cultures |