Study programme

Part A) of the study programme *

Learning outcomes

Faculty offering the field of study:	**Faculty of Earth Sciences and Spatial Management**
Field of study:	**Urban Sustainability Studies**
Level of study:	**First cycle**
Level of the Polish Qualifications Framework:	**Level 6**
Degree profile:	**Academically oriented**
Professional degree awarded to the graduate:	**Bachelor**
Allocation of the field of study within academic or artistic discipline(s), to which learning outcomes for a given field of study refer:	**Discipline: Socio-economic geography and spatial management (100%)** **Major discipline: Socio-economic geography and spatial management**

(1) Symbol	(2) Upon completion the graduate achieves the learning outcomes specified below:
	KNOWLEDGE (the graduate knows and understands)
K_W01	The student characterizes the relevant historical, social, political and economic processes and structures related to the field of study.
K_W02	The student identifies cities and regions with different levels of urbanization in Europe and matches them with theories and approaches related to urbanism and urbanization.
K_W03	The student describes and applies key concepts and principles according to the field of study.
K_W04	The student discusses environmental, social and economic systems related to the field of study.
	SKILLS (the graduate is capable of)
K_U01	The student identifies, analyzes and solves problems, applying relevant research methodologies, theories, information technology, data analysis and interpretation, and techniques of writing to present findings and solutions.
K_U02	Under supervision, the student initiates, carries out and evaluates sustainability projects and research, including logistics, risk assessment, and ethical approval if appropriate.
K_U03	The student considers academic norms and ways of thinking across different disciplines and subject areas, bringing them into play as appropriate.
K_U04	The student clearly, coherently and respectfully communicates their ideas relating to a range of disciplines and to various stakeholders, in both written and oral form, using appropriate language and referencing.
K_U05	The student demonstrates the flexibility and adaptability to collaborate in international and intercultural contexts, learning from others, recognising, and respecting diverse perspectives and needs.
K_U06	The student independently plans the work, meets deadlines, manages their own time and workload, and demonstrates initiative.
	SOCIAL COMPETENCES (the graduate is willing to)
K_K01	The student conducts a critical analysis of strategies, measures, and approaches to sustainable development related to the field of study, demonstrating their likely impact on stakeholders, regions, and communities.
K_K02	The student demonstrates intellectual curiosity, critical thinking, and exercise independence of mind and thought.
K_K03	The student demonstrates reflection on their own knowledge, seeks and makes use of feedback on their own performance, recognises when further knowledge is required, and undertakes necessary research.

Part *B) of the study programme*

Description of the process resulting in the achievement of learning outcomes

Faculty offering the field of study:	Faculty of Earth Sciences and Spatial Management
Field of study:	Urban Sustainability Studies
Level of study:	First cycle
Level of the Polish Qualifications Framework:	Level 6
Degree profile:	Academically oriented
Allocation of the field of study within academic or artistic discipline(s), to which learning outcomes for a given field of study refer:	Socio-economic geography and spatial management (100%)
Mode of study:	Full-time programme
Number of semesters:	6
Number of ECTS required for the award of qualifications corresponding to the level:	180 ECTS
Total number of teaching hours:	573 (This number excludes 3 obligatory Minors. Each Minor is one semester long and is worth 30 ECTS, but Minors can vary in terms of the number of teaching hours. Two Minors are studied in different universities within the YUFE alliance. Przedmioty: Contemporary Urban Developments i Cities & citizens in European History są kursami prowadzonymi w trybie jointly developed – liczba godzin zostanie podana po sfinalizowaniu prac nad kursami prowadzonymi pod kierunkiem University of Antwerp).
Professional degree awarded to the graduate:	**Bachelor**
The relationship between the study programme and NCU mission and strategy:	The study programme is being planned under the YUFE Bachelor's Consortium Agreement between 10 universities – members of the YUFE alliance, as a joint degree program run by all alliance universities (including 7 degree awarding universities and 3 mobility partners). Alliance members believe that cities play a crucial role in pursuing a more sustainable future, as they significantly impact natural resources, economic development, social inclusion and environmental conservation. In order to address the complex challenges of urban sustainability, experts are needed who not only have in-depth knowledge in their fields but also can build bridges between scientific disciplines and cultural perspectives in an increasingly complex and globalised world. The curriculum of the Urban Sustainability Studies program is, therefore, in line with NCU's mission to "develop and disseminate knowledge" and, in particular, to "teach at the academic level (...) responding to the current and future needs and aspirations of society."

	The study programme also fits within the University's strategy in realising Strategic Objective II ("Provide education that prepares for functioning and taking initiatives in a dynamically changing world by individualising development paths, making use of modern technologies and international experiences (...)". The design of the programme is based on five pillars corresponding to the five operational objectives (OO) within this strategic objective: personalisation of the study program, its interdisciplinarity, connection to social practice, internationalisation and care about the quality of education. • The program is personalised as students select half of the study program (minors) according to their own study plan under the guidance of academic advisors, which implements OO II.1. "Implement a modern model of personalised and engaging education based on diversity." • The study program is inherently interdisciplinary and based on research conducted at NCU and the other nine universities of the YUFE Alliance, which aligns with OO II.2. "Develop and promote interdisciplinary education and link it with conducted scientific activities." • The study program is aimed not only at providing knowledge but, more importantly, skills for solving complex social problems arising in urban management, responding to the needs of the future in Poland and Europe, which will be implemented by the project-based teaching method within the framework of minors. This will ensure that teaching is linked to the needs of society realising OO II.3 "Link the teaching offer and content with the challenges of the future, the needs of the society and the labour market." • The project is the first fully international study program jointly implemented by all universities affiliated with the YUFE alliance. During the study cycle, students will spend at least two semesters studying minors at other universities of the alliance (outside Poland), and upon graduation, they will be awarded a joint diploma from the seven degree-awarding universities. This is an implementation of the idea of internationalisation of studies to a degree never before seen at UMK, and it creates an attractive teaching offer for students coming from abroad, fitting in the OO II.4 "Strengthen the international attractiveness of education at the Nicolaus Copernicus University and the mobility of students and doctoral candidates." • Finally, the supervision of the study program and its implementation will be a responsibility not only of the NCU-level institutions and regulations, including the SEGaSM Discipline Council and the NCU System of Academic Excellence but also by institutions and instruments of cooperation between

	universities in accordance with the consortium agreement: Strategic Committee, Coordinating Committee, Programme Committee, Student Forum, Quality Assurance Board, Examination Committee, as well as documents and standards created at the consortium level: Teaching and Examination Regulation and YUFE Quality Assurance Framework. Thus, the way in which the studies are organised ensures an above-standard degree of care for the quality of education, in line with the strategic objective II.5 "Ensure appropriate conditions for the provision of education at the highest level".

Courses/course modules along with expected learning outcomes *				
Course module	**Course**	**Expected learning outcomes**	**Forms and methods of teaching ensuring the achievement of learning outcomes ….**	**Methods of verifying and assessing expected learning outcomes achieved by the student**
Course module I Methodical module	**Computer-assisted qualitative and quantitative data analysis** **Research and academic development skills**	Student: **Knowledge:** Student: - Lists and describes information technology, quantitative and qualitative data analysis methods K_W03 - Describes basic ways of conducting scientific research K_W03 **Skills:** - Appropriately plans scientific research, identifies, analyses, and solves problems after selecting an appropriate research methodology K_U01 - Applies information technologies and methods of qualitative and quantitative data analysis appropriately to the discipline K_U03 - Uses adequate terminology related to scientific research K_U04 - Collaborates in a group, demonstrating flexibility and adaptability, learns from others, recognizing and respecting different perspectives and needs K_U05 - Plans and carries out tasks meeting deadlines, manages their time and workload showing own initiative K_U06 **Social competencies:** - Carries out tasks presenting intellectual curiosity and critical thinking K_K02 - Is open for the discussion of the results of their work and their knowledge K_K03	Laboratory, Exercises	Active participation in the classes confirmed by the teacher Evaluation of the implemented tasks Knowledge checking test Observation by the teacher

Course module II Introduction to sustainability	**Introduction to urban sustainability** **Complex Systems Theory**	Student: **Knowledge:** - Defines key concepts and theories related to sustainable development in the ecological and socio-economic dimensions K_W01 - Recognises and systematically describes the processes and phenomena related to sustainable development K_W01 **Skills:** - Analyses data and discusses the main problems and challenges of sustainable development in the modern world K_U01 - Appropriately uses the terminology related to sustainable development K_U03 - Presents the results of their work clearly and coherently, communicating them in written or oral form to various stakeholders K_U4 - Cooperates in a group, demonstrating flexibility and adaptability, learns from others, recognising and respecting different perspectives and needs K_U05 **Social competences:** - Evaluates the impact of solutions in various areas of life on shaping the sustainable development of areas and societies on various scales K_K01 - Shows intellectual curiosity and critical thinking, carrying out assigned tasks K_K02 - Is open to discussion on the results of its work K_K03	Lectures, Conversational lectures, Exercises, Field trips	Active participation in the classes confirmed by the teacher Evaluation of the implemented tasks Knowledge checking test Observation by the teacher
Course module III Introduction to urban studies	**Urban geography and sociology** **Basics of urban economics and management** **Cities & citizens in European History**	Student: **Knowledge:** - Defines key concepts and theories related to urban studies K_W01 - Recognises and systematically describes historical, political, social and economic processes and phenomena within the field of urban studies K_W01 **Skills:** - Analyses data and discusses data-related problems and challenges in urban studies K_U01 - Uses appropriate terminology related to urban studies K_U03 - Presents the results of their work clearly and coherently, communicating them in written or oral form to various stakeholders K_U04 - Collaborates in a group, demonstrating flexibility and adaptability, learns from others, recognising and respecting the different perspectives and needs K_U05	Lectures, Exercises, Field trips	Active participation in the classes confirmed by the teacher Evaluation of the implemented tasks Knowledge checking test Observation by the teacher

		Social competences: - Evaluates the impact of solutions in various areas of life on shaping the sustainable development of urban areas K_K01 - When carrying out assigned tasks, shows intellectual curiosity and critical thinking and proposes new solutions K_K02 - Is open to discussion on the results of their work K_K02 - Is willing to deepen their knowledge, as long as it is needed to solve diagnosed problems K_K03		
Course module IV Urban sustainability	**Contemporary Urban Developments** **Science in response to anthropopressure-induced change** **Cycling in modern urban mobility**	Student: **Knowledge:** - Names and describes contemporary theories related to sustainable development in cities K_W01 - Recognises and systematically describes processes and phenomena related to sustainable development in cities K_W01 **Skills:** - Conducts analyses to determine the impact of specific phenomena and processes on the shaping of physically and socially sustainable cities K_U01 - Uses various data sources and assesses which solutions fit into urban sustainability K_U03 - Proposes innovative urban studies solutions that strengthen sustainable development K_U04 - Cooperates in a group, demonstrating flexibility and adaptability, learns from others, recognising and respecting different perspectives and needs K_U05 - Plans their own actions related to the proposed solutions in the field of urban sustainability in different spatial and cultural contexts K_U06 **Social competences:** - Evaluates the impact of solutions in various areas of life on shaping the sustainable development of urban areas K_K01 - When carrying out assigned tasks, shows intellectual curiosity and critical thinking and proposes new solutions K_K02 - Is willing to deepen their knowledge, as long as it is needed to solve diagnosed problems K_K03	Lectures, Exercises, Field trips	Active participation in the classes confirmed by the teacher Evaluation of the implemented tasks Knowledge checking test Observation by the teacher
Course module V Mobility & Minors	**Minor 1, Minor 2, Minor 3**	**Knowledge:** - Recognises and explains specific phenomena and processes thematically related to urban sustainability K_W02	Lectures, Exercises, Field trips	Active participation in the classes confirmed by the teacher

		- Defines key concepts and concepts thematically related to specific phenomena and processes related to urban sustainability K_W03 - Discusses environmental, social and economic systems related to sustainable cities K_W04 **Skills:** -Under the supervision of a teacher, formulates, conducts and evaluates a sustainable development-related project K_U02 **Social competences:** - Evaluates the impact of the solutions proposed in a projects on various stakeholders K_K01 - When carrying out assigned tasks, demonstrates critical thinking and proposes new solutions K_K02 - Is willing to deepen their knowledge, as long as it is needed to solve diagnosed problems K_K03		Evaluation of the implemented tasks Knowledge checking test Observation by the teacher
Course module VI Seminar	**Bachelor Seminar 1** **Bachelor Seminar 2** **Bachelor thesis: design of social-economic research** **Social-economic analysis**	Student: **Knowledge:** - Explains the impact of various processes on the conditions for the creation and management of sustainable cities K_W01 **Skills:** - Uses appropriate terminology, theories, methods and research techniques during the implementation of the diploma thesis K_U01 - Analyzes and interprets the collected data, considering ways of thinking adequate to the problem K_U03 - Appropriately presents the results of the research in writing and oral form K_U04 - Is able to collaborate in different teams effectively K_U05 - Under the supervision of the supervisor, independently designs and prepares a diploma thesis K_U06 **Social competences:** - When carrying out the tasks, demonstrates critical thinking, proposes new solutions, and predicts the impact of these activities on various stakeholders K_K01 - Demonstrates curiosity in looking for new solutions, maintaining a critical attitude towards the available information K_K02 - Is willing to deepen their knowledge, especially in the scope needed to solve diagnosed problems K_K03	Seminar, Exercises, Laboratory	Active participation in the classes confirmed by the teacher Evaluation of the implemented tasks Knowledge checking test Observation by the teacher Writing and defending a thesis

Course module VII Practical projects	**Urban practical projects**	Student: **Knowledge:** - Defines important processes that have an impact on the creation of a sustainable city K_W01 - Mentions good practices in urban projects aimed at strengthening sustainable development K_W02 - Selects the right concepts for the scope of the project K_W03 - Explains the systems that make up the urban problem K_W04 **Skills:** - Identifies the problem in a discipline-specific way K_U01 - Under the supervision of a teacher, designs, carries out and evaluates innovative urban projects focused on sustainable development of the city K_U02 - Designs interdisciplinary solutions K_U03 - Presents proposals for solutions and discusses them among various stakeholders K_U04 - While implementing the project, cooperates in a team, using the potential of the group and respecting diverse opinions K_U05 - Controls, coordinates and corrects the work plan on an ongoing basis K_U06 **Social competences:** - Evaluates the impact of the solutions developed in the projects on various stakeholders K_K01 - When carrying out the project, demonstrates critical thinking and proposes new solutions K_K02 - Is willing to deepen their knowledge in the areas needed to solve diagnosed problems K_K03	Field trips, Laboratory	Active participation in the classes confirmed by the teacher Evaluation of the implemented tasks Project Observation by the teacher
Course module VIII Foreign language classes	**English in the city**	Student: **Knowledge:** - Explains the impact of different systems on urban sustainability in English using specialised terminology K_W04 **Abilities:** - Uses discipline-specific terminology in English in various contexts, addressing diverse groups of recipients K_U04 - Cooperates in culturally and linguistically diverse groups, learning to approach problems from different perspectives K_U05	Exercises	Active participation in the classes confirmed by the teacher Evaluation of the implemented tasks Knowledge checking test

		Social competences: - Presents intellectual curiosity by collaborating in international teams K_K02 - Is willing to deepen their knowledge of a specialised English terminology in the field of urban sustainability K_K03		Observation by the teacher
Course module IX Occupational safety, health and ergonomics	**Occupational Safety, Health and Ergonomics (Basic Training)**	Student: **Abilities:** - Applies the principles of ergonomics, occupational health and safety in their work K_U06 Social **competences** - Appreciates the importance of the care for health in their actions K_K02	Lectures (E-learning)	E-learning test

Detailed allocation of ECTS credits			
Academic or artistic disciplines, to which learning outcomes refer:			
		ECTS credits	
		number	**%**
1.	**Socio-economic geography and spatial management**	**180**	**100**
2.	**Others**	**0**	**0**

Course modules	**Course**	**No of ECTS credits**	**No of ECTS credits in the discipline:** *(enter names of disciplines)****		**No of ECTS credits for elective courses**	No of ECTS credits obtained by the student in classes within contact hours with the teacher or tutor	No of ECTS credits obtained by the student as a result of: courses related to academic activity within a discipline or disciplines, to which the field of study is assigned *****/ courses focused on training practical skills ******
			Socio-economic geography and spatial management	Others			
Course module I Methodical module	Computer-assisted qualitative and quantiative data analysis	7	7			3	7
	Research and academic development skills	3	3			2	3
Course module II Introduction to sustainability	Introduction to urban sustainability	7	7			3	7
	Complex Systems Theory	3	3			1	3
Course module III Introduction to urban studies	Urban geography and sociology	7	7			3	7
	Basics of urban economics and management	7	7			3	7
	Cities & citizens in European History	4	4			3	4
Course module IV Urban sustainability	Contemporary Urban Developments	6	6			4	6
	Science in response to anthropopressure-induced change	6	6			3	6
	Cycling in modern urban mobility	6	6			3	6
Course module V Mobility & Minors	Minor 1, Minor 2, Minor 3	90	90		90	45	90
Course module VI Seminar	Bachelor Seminar 1	2	2			2	2
	Bachelor Seminar 2	12	12			5	12
	Bachelor thesis: design of social-economic research	2	2			1	2
	Social-economic analysis	6	6			3	6
Course module VII Practical projects	Urban practical projects	8	8			3	8
Course module VIII English in the city	English in the city	4	4			3	
Course module IX Occupational safety, health and ergonomics	Occupational Safety, Health and Ergonomics (Basic Training)	0					
IN TOTAL:		180	180/100%	0/0%	90/50%	90/50%	176/97,8%

* The programme of practically oriented studies provides for vocational internships that last at least:

- 6 months – on first cycle and long cycle studies,
- 3 months – on second cycle studies.

** The diploma project is:

- obligatory on second cycle and long cycle studies,
- optional on first cycle studies.

**** names of academic and artistic disciplines must be compliant with the regulation of the Minister of Science and Higher Education of 11 November 2022 on fields of science and academic disciplines and artistic disciplines (Journal of Laws [Dz. U.] of 2022, item 2202 as amended)

******** refers to academically oriented profile

********* refers to practically oriented profile

Programme content		
Course modules	**Course**	**Course content**
Course module I Methodical module	Computer-assisted qualitative and quantiative data analysis	The course will introduce quantitative and qualitative data analysis in the study of social processes. The course will be divided into two parts: quantitative and qualitative. The course will be held using a selected statistical analytical environment and a selected Qualitative Data Analysis environment.
	Research and academic development skills	The goal of the course is to equip the students with the basic knowledge on the academic environment and basic academic skills.
Course module II Introduction to sustainability	Introduction to urban sustainability	Basic information about urban sustainability in the context of environmental, social and economic issues.
	Complex Systems Theory	The students learn to look at global challenges as a complex system of interrelated processes consisting of various interacting 'factors' or variables that lead to emerging crises and responses. By applying a systematic approach to socio-environmental issues such as climate change, landscape evolution or socio-ecological sustainability, they can gain valuable insights into risks, potential drivers of change, likely impacts of disruptions and the possibility of forecasting or managing these systems.
Course module III Introduction to urban studies	Urban geography and sociology	The aim of the course is to show students what the sociological perspective in social sciences is and how it can be used to research cities' communities, social changes in small and big towns and urban geography. The course will equip students with knowledge of basic sociological concepts and theories, and will provide the basis for conducting their own analyses of the problems of contemporary cities using sociological conceptual categories.
	Basics of urban economics and management	The course aims to introduce students to the fundamental theories and concepts of urban economics and their application in city management.
	Cities & citizens in European History	An introduction to urban history focusing on urbanization processes and urban life in Europe. Lectures address central themes in urban history, such as inequality, migration, transport, consumption & leisure, urban governance, architecture and environment, with examples of European cities, often cutting across geographical boundaries to deal with transnational themes, exchanges, and dependencies.
Course module IV Urban sustainability	Contemporary Urban Developments	An introductory course focusing on urbanization processes, urban life in Europe, its challenges and proposed solutions.
	Science in response to anthropopressure-induced change	Presentation of the state of knowledge on climate change and discussion of its impact on the natural environment and on humans. Familiarization with the method of developing scenarios of future climate change and with ways to protect cities from climate change. Presentation of environmental threats and tools to counteract them, as well as principles of reclamation and revalorization of environmental

		resources. Mastering the skills of assessing and predicting natural processes, threats and impacts on the human living environment.
	Cycling in modern urban mobility	The aim of the course is to introduce the role of cycling in urban transport and analysis of urban cycling policies from the socio-cultural and infrastructural context.
Course module V Mobility & Minors	Minor 1, Minor 2, Minor 3	Dependent on the individual choice of the Minors. Each Minor is a collection of courses related to a specific field within Urban Sustainability Studies. One Minor includes 30 ECTS of student workload. Minors may include both obligatory courses needed to finish the Minor, and elective choice courses. Each Minor includes a challenge course: a group project, executed preferably in cooperation in an external stakeholder, under the supervision of a teacher, and aimed at practical application of the skills obtained during the Minor.
Course module VI Seminar	Bachelor Seminar 1	The goal of the Bachelor Seminar 1 is for the student to choose a topic and prepare the project of the Bachelor thesis.
	Bachelor Seminar 2	The goal of the Bachelor Seminar 2 is for the student to write the Bachelor thesis.
	Bachelor thesis: design of social-economic research	The goal of the course is that the students learn the key skills needed to write the Bachelor thesis.
	Social-economic analysis	The content covered in the course will include selected practical and theoretical issues in the field of socio-economic analysis using GIS technology.
Course module VII Practical projects	Urban practical projects	The aim of the course is to familiarize the student with urban practical and innovative projects
Course module VIII English in the city	English in the city	The classes aim to develop the students' specialized English knowledge, skills and social competencies. The topics covered are related to the student's field of study (urban sustainability studies).
Course module IX Occupational safety, health and ergonomics	Occupational Safety, Health and Ergonomics (Basic Training)	The courses for students in Elements of Occupational Health and Safety and Ergonomics is taught online as the University's preventive measures for safe behavior of students in their place of study and residence, and to raise awareness of the need for occupational prevention.

This study programme is effective as of winter semester of the academic year 2025/26.