

Wydział Informatyki i Komunikacji Wizualnej
Kierunek Urban Management
Studia pierwszego stopnia
Rok rozpoczęcia 2018/2019
tryb stacjonarny

LP.	NAZWA PRZEDMIOTU	Forma zaliczenia	SEMESTR	ECTS	LICZBA GODZIN ZAJĘĆ						
					RAZEM	w tym					
						WYKŁAD	AKTYWIZUJĄCE FORMY ZAJĘĆ				
							S/PR	C	Lk	Wr	Kw
A. Moduły międzykierunkowe obligatoryjne											

	Introduction		1	2	8	8						
1	Library		1		2	2						
2	Introduction to study		1		2	2						
3	Safety and hygiene		1		2	2						
4	Protection of intellectual property		1		2	2						
	PA (1)		1		10			10				
1	Sport 1		1		10			10				
	PA (2)		2		10			10				
1	Sport 2		2		10			10				
	Language 1: English		1	2	20			20				
1	Language 1: English B2		1		20			20				
	Language 2: English		2	1	20			20				
1	Language 2: English B2		2		20			20				
	Foreign Language 1 - free choice		5	2	20			20				
1	Foreign Language 1 - free choice		5		20			20				
	Foreign Language 2 - free choice		6	1	20			20				
1	Foreign Language 2 - free choice		6		20			20				
LICZBA GODZIN DYDAKTYCZNYCH				8	108	8		100				

B. Moduły kierunkowe obligatoryjne

	Studio (1): Shaping The City		1	8	140	20				120		
1	The public areas		1		35	5				30		

2	City structure and people		1		35	5				30		
3	City functionality		1		35	5				30		
4	The Complete city		1		35	5				30		
	History of the City: growth, function and structure of the cities	BP	1	2	10	8				2		
1	History and concepts of European Cities development	BP	1		2	2						
2	Urban regions in Europe shaping and functioning	BP	1		2	2						
3	The European Union and its impact on spatial planning	BP	1		3	2				1		
4	The past and the future of the important cities in the world	BP	1		3	2				1		
	Seminar (1): Knowledge Improving Skills	BP	1	1	8		4			4		
1	Observation and analysis	BP	1		2		1			1		
2	Community and cooperation	BP	1		2		1			1		
3	Time and planning (time management)	BP	1		2		1			1		
4	Media	BP	1		2		1			1		
	Writing and Oral Presentation		1	2	24	8				16		
1	Rules of professional communication	BP	1		6	2				4		
2	Writing and Reporting	BP	1		6	2				4		
3	Interviews	BP	1		6	2				4		
4	Oral presentations	BP	1		6	2				4		
	Creative Presentation (1)		1	2	21	6				15		
1	Introduction to creative presentation	BP	1		7	2				5		
2	Hand drawing (1)	BP	1		7	2				5		
3	Creating attractive and convincing visualisations for urban design and planning	BP	1		7	2				5		
	Digital Presentation		1	2	21	6				15		
1	Linear presentation tools	BP	1		7	2				5		
2	The theory of infographics and typography	BP	1		7	2				5		
3	Small and large format infographics	BP	1		7	2				5		
	Statistics, Statistical and Estimation Tools		1	2	22	10				12		
1	Data and statistical methods		1		15	5				10		
2	Statistical software	BP	1		7	5				2		
	Studio (2): Efficient City		2	8	110	35				75		
1	The City functioning		2		30	10				20		
2	Socio-economic and spatial relationships within the city		2		25	10				15		
3	Operational programs		2		25	10				15		
4	Presentation and discussion		2		30	5				25		
	Urban Analysis – Methodology		2	2	18	6				12		
1	Knowledge and applying spatial and infrastructure profiles	BP	2		6	2				4		
2	Estimating methods and calculations	BP	2		6	2				4		
3	Analytical techniques	BP	2		6	2				4		

	Public Areas – The Formation and operation		2	2	20	12				8		
1	Urban construction	BP	2		7	4				3		
2	Local designing	BP	2		7	4				3		
3	Life between buildings	BP	2		6	4				2		
	Transport		2	2	26	10				16		
1	Transport system - infrastructure, parameters and application	BP	2		7	3				4		
2	Transport and environment	BP	2		6	2				4		
3	Planning and design of municipal engineering	BP	2		7	3				4		
4	Infrastructure and walking mobility	BP	2		6	2				4		
	Green areas formation		2	2	20	10				10		
1	Principles of shaping green areas	BP	2		6	3				3		
2	Green and the city investment policy	BP	2		6	3				3		
3	Designing green sites - Studio	BP	2		8	4				4		
	Project Drawing - CAD (1)		2	2	26	6			20			
1	Wprowadzenie do rysunku CAD	BP	2		7	2			5			
2	Working with the drawing commands	BP	2		6	1			5			
3	Creating and editing 2D - drawings of the urban environment	BP	2		6	1			5			
4	Preparing for the presentation and printing	BP	2		7	2			5			
	Studio (3): Living City		3	8	110	35				75		
1	Social aspects of cities functioning		3		30	10				20		
2	Management system, conflict and contradiction resolution		3		25	10				15		
3	Breaking the sector barriers		3		25	10				15		
4	Diverse, cohesive and attractive city		3		30	5				25		
	International Training Trip (1)		3	2	30	10				20		
1	Preparation and participation in an international training trip		3		20	10				10		
2	Assessment and reporting of individual learning outcomes	BP	3		10					10		
	Social Aspects of Planning		3	2	23	12				11		
1	People in the city	BP	3		6	3				3		
2	The impact of planning on society	BP	3		6	3				3		
3	Socio-cultural spatial planning	BP	3		6	3				3		
4	Public participation in spatial planning	BP	3		5	3				2		
	Water in Urban Areas		3	2	18	9				9		
1	Water management - management, operation, aesthetics	BP	3		6	3				3		
2	Water dilemmas of urbanization	BP	3		6	3				3		
3	Water as a determinant of development potential and its use in planning and design - Studio	BP	3		6	3				3		
	Seminar (2): Communication with stakeholders		3	1	12		6			6		
1	Municipal social issues	BP	3		4		2			2		
2	Local stakeholders and city decision-makers	BP	3		4		2			2		
3	Methods of working with stakeholders	BP	3		4		2			2		

	Urban Revitalisation		3	2	18	6				12		
1	Spatial and functional integrity of the city (city as organism)	BP	3		6	2				4		
2	Aspects and participants in the revitalization process	BP	3		6	2				4		
3	Revitalization in the world	BP	3		6	2				4		
	Creative Presentation (2)		3	2	36	10				8	18	
1	Elementy zaawansowanej kreatywnej prezentacji. Modelowanie 3D	BP	3		8	4			4			
2	Rysunek odręczny (2)	BP	3		8	2				6		
3	Figure planning	BP	3		8	2				6		
4	Engineering graphics	BP	3		6					6		
5	Project visualization	BP	3			2			4			
	Case study after Internship (1)	BP	4	2	10					10		
4	Internship 1 - Evaluation and report	BP	4		10					10		
	Studio (4): Urban Tourism and Recreation		5	8	110	35				75		
1	The development and functioning of the Local Economy and the level of recreational activities		5		30	10				20		
2	The functioning of a modern market of tourist services and recreational activities		5		25	10				15		
3	The role of small and medium-sized enterprises in the development of tourism and recreation		5		25	10				15		
4	Presentation and discussion		5		30	5				25		
	Economical Aspects of Urban Planning		5	2	20	16				4		
1	Urban management at local and regional scale	BP	5		5	4				1		
2	Functional relationship of cities and regions	BP	5		5	4				1		
3	Economic, legal and technical aspects of urban planning	BP	5		5	4				1		
4	Real estate management	BP	5		5	4				1		
	Funding of the City - Sources, Opportunities and Problems		5	2	25	15				10		
1	The theoretical basis of economics and finance of the city	BP	5		3	3						
2	Local finance	BP	5		5	3				2		
3	Instruments of financing public investment	BP	5		5	3				2		
4	Operating Principles of European Funds	BP	5		5	3				2		
5	Methodology for evaluating the financial condition of the city	BP	5			3				4		
	Spatial planning		5	2	28	10				18		
1	Legal aspects of spatial planning and management	BP	5		6	2				4		
2	Natural conditions of spatial planning	BP	5		6	2				4		
3	Social and economic foundations of spatial planning	BP	5		6	2				4		
4	Spatial planning instruments	BP	5		6	2				4		
5	International and regional aspect of planning	BP	5			2				2		
	Methods of Spatial Analysis (1)		5	2	18	9				9		

1	Research methods in the analysis of socio-economic phenomena in the city	BP	5		6	3				3		
2	Principles and techniques of evaluation	BP	5		6	3				3		
3	Methodology of ex-post evaluation of programs / urban strategies	BP	5		6	3				3		
	Seminar (3): Psychology and Management		5	1	16	4	4			8		
1	Models of leadership	BP	5		4	1	1			2		
2	Communication and mutual understanding	BP	5		4	1	1			2		
3	Social behavior - confrontations, conflicts, games	BP	5		4	1	1			2		
4	Social personalities and city management	BP	5		4	1	1			2		
	Graphical Presentation		5	2	30	10				20		
1	Digital illustration and images designing		5		15	5				10		
2	Graphical presentation - Studio		5		15	5				10		
	Studio (5): Smart City		6	8	110	35				75		
1	Smart cities - development towards interactive and global innovation		6		30	10				20		
2	Innovation, technology, management		6		25	10				15		
3	New dimension of urban development		6		25	10				15		
4	Smart cities - scenarios of future governance		6		30	5				25		
	Smart city - new dimension of urban development		6	2	18	8				10		
1	Smart city - the concept, understanding, the basics of creation	BP	6		4	4						
2	Information Society and smart city	BP	6		4					4		
3	Social and technological aspect of urban development	BP	6		4					4		
4	Smart cities in the world	BP	6		6	4				2		
	Urban Engineering		6	2	30	10				20		
1	Technical infrastructure - types, technical requirements, design principles		6		15	5				10		
2	Designing technical infrastructure - Studio		6		15	5				10		
	Project Drawing - CAD (2)		6	2	26	6				20		
1	2D or 3D representations of physical objects		6		14	4				10		
2	Final Documentation - prints, data presentation, descriptions		6		12	2				10		
	Sustainable City		6	2	16	8				8		
1	Sustainable city - the concept, understanding the basics of creation	BP	6		8	4				4		
2	Balance level of the development of the city - Studio	BP	6		8	4				4		
	Seminar (4): Techniques and methods of conducting public meetings		6	1	16		4			12		
1	Modern techniques of graphical presentation and multimedia	BP	6		8		4			4		
2	Public presentation - the preparation and presenting	BP	6		8					8		
	Personal Brand and Entrepreneurship		6	2	20	8				12		
1	Individual skills and professional market	BP	6		5	2				3		

2	Individual business plan	BP	6		5	2				3		
3	Creating personal brand	BP	6		5	2				3		
4	Coaching and entrepreneurship	BP	6		5	2				3		
	Case study after Internship (2)	BP	7	2	10					10		
1	Internship 2 - Evaluation and report	BP	7		10					10		
	Studio (6): Branding the Future		8	8	110	35				75		
1	Building a future brand - the territorial branding		8		30	10				20		
2	Building a future brand and planning of the future cities		8		25	10				15		
3	Strategia zarządzania „marką przyszłości” Management strategy "future brand"		8		25	10				15		
4	Presentation and discussion		8		30	5				25		
	Strategic management		8	2	18	9				9		
1	Spatial planning as a tool of policies development	BP	8		7	3				4		
2	Strategic management and spatial management	BP	8		7	3				4		
3	Urban development controlling (urban policy in the EU)	BP	8		4	3				1		
	Methods of Spatial Analysis (2)		8	2	16	4				12		
1	Diagnosis of socio-economic phenomena in the city - the starting point for the creation of urban programs and urban strategies	BP	8		4	1				3		
2	Methodology of ex-ante evaluation of urban programs and urban strategies	BP	8		4	1				3		
3	Methodology of on-going evaluation of urban programs and urban strategies	BP	8		4	1				3		
4	Objectives and methods of evaluation of investment projects	BP	8		4	1				3		
	Cartography and infographics		8	2	28	12				16		
1	GIS tools	BP	8		8	4				4		
2	GIS as database	BP	8		8	4				4		
3	Geographical data management	BP	8		6	2				4		
4	Introduction to cartography	BP	8		6	2				4		
	Investments and the Future of Cities		8	2	18	9				9		
1	Services and activities in the city - structure and planning	BP	8		6	3				3		
2	Old and new investment areas - the problem or possibilities of development	BP	8		6	3				3		
3	The investment policy and the development of the city	BP	8		6	3				3		
	Process Managing		8	2	14	8				6		
1	Processes and process planning	BP	8		7	4				3		
2	Process analysis, optimization and implementation	BP	8		7	4				3		
	Seminar (5) Visions of city development		8	1	16		8			8		
1	The future of the city - the challenges and tasks	BP	8		8		4			4		
2	The vision of development of the city - Studio	BP	8		8		4			4		
	Studio (7): The Rapidly Growing Cities		9	8	110	35				75		

1	Contemporary urbanization processes in the world and in Poland		9		30	10				20		
2	Integration - globalization - metropolisation		9		25	10				15		
3	Delimitation, typology and distribution of the metropolis in the world and European space		9		25	10				15		
4	Social, economic, spatial conditions of metropolisation processes - a case study		9		30	5				25		
International Training Trip (2)				9	2	30	10			20		
1	Preparation and participation in the international training trip		9		20	10				10		
2	Assessment and reporting of individual learning outcomes	BP	9		10					10		
The Architecture of Modern Cities				9	2	16	8			8		
1	Architecture and urban planning in Europe	BP	9		8	5				3		
2	Architecture and cultural heritage (individual work)	BP	9		8	3				5		
Urban Transformations				9	2	16	12			4		
1	Changes in scales of modern city (region, district, street)	BP	9		8	4				4		
2	Urban planning today - trends, policies	BP	9		4	4						
3	The problems of spatial development of European cities	BP	9		4	4						
3D Presentation Graphics				9	2	24	8			16		
1	3D modeling and rendering		9		12	4				8		
2	The quality of the presentation graphics		9		12	4				8		
Project management				9	2	24	8			16		
1	Concepts and phases of project management	BP	9		6	2				4		
2	Implementation and project management	BP	9		6	2				4		
3	Managing of project risk and project changes	BP	9		6	2				4		
4	Project management - a case study	BP	9		6	2				4		
Seminar (6) Cross-border Cooperation				9	1	12	1	5		6		
1	Examples of cross-border urban networks in Europe	BP	9		6	1	2			3		
2	Cross-border cooperation - Studio	BP	9		6		3			3		
LICZBA GODZIN DYDAKTYCZNYCH					136	1668	552	31		151	934	
159	łącznie wszystkie składowe trymestrami									1116		

B. Moduły kierunkowe obieralne

A specialized studio module (1, 2 or 3)				10	32	60				60		
1	Preparation for thesis and exam		10		20					20		
2	Writing thesis		10		20					20		
3	Diploma seminar		10		20					20		
Internship (1)				4	16	200		200				
1	Internship 1		4		200		200					
Internship (2)				7	16	200		200				

1	Internship 2		7		200		200					
	LICZBA GODZIN DYDAKTYCZNYCH			64	460		400					
154	Łącznie wszystkie składowe trymestrami										400	

	Razem			208	2 236	560	431	100	151	934	0	0
	Razem			208	2236	560					1616	