POLYTECHNIC OF MEĐIMURJE IN ČAKOVEC

COURSE SYLLABUS

ACADEMIC YEAR: 2020/2021

1. GENERAL COURSE INFORMATION				
1.1 Course name	**URBAN PLANNING AND DESIGN**			
1.2 Study program/s	**Undergraduate professional study Sustainable Development**			
1.3 Course status (O,E)	**Required**	**1.6 Mode of instruction (number of hours)**	**Lectures**	30
1.4 Course code	**4026**		**Exercises**	30
1.5 Course abbreviation	**UPP**		**Seminars**	
1.6 Semester	IV semester		**E-learning**	
1.7 ECTS	**5**	**1.7 Place and time of instruction**	Premises of Polytechnic of Međimurje in Čakovec, according to the schedule published on the website	

2. TEACHING STAFF			
2.1 Course leader/s-title	**Jasmina Ovčar, mag.ing.arh.i urb.** senior lecturer	**contact**	jovcar@mev.hr
		contact	
2.2 Assistant/s- title		**contact**	
		contact	
2.3 Instruction held by- title		**contact**	

3. COURSE DESCRIPTION	
3.1 Course goals	The student must familiarize himself with the basics of spatial planning, methods of urban planning, preparation of spatial plans, the process of adopting urban plans, implementation of plans, implementation of physical planning documents and construction. The definition of the city and urbanism, the goals of urbanism are processed. The student acquires the knowledge that he uses in his knowledge of the structure of the purpose of the surfaces, he processes the material related to the division of settlements with respect to the density of construction, structure and typology of construction, design. The student is introduced to the elements of dimensioning the space. Analysis of transport network, pedestrian traffic, accompanying urban areas, public space and urban equipment is processed.
3.2 Prerequisites	There are no special conditions for enrolling in the subject, the condition for taking the exam is regular attendance, preparation of all domestic tasks and obtained signature upon the examination of all lectures and obligations arising from the lecture.
3.3 Course outcomes	After successfully mastering the course, students will be able to: I1 – analyze the city-village relationship, and describe the current issues of the city and its growth and development / R 4 I2 – recognize and know how to design a city development scheme at the conceptual level / R 6 I3 – get to know and understand how to make and implement zoning documents / R 5 I4 – get to know and know how to plan the elaboration of urban plans / R 6

	I5 – describe and analyze the procedure for obtaining the necessary urban planning documentation, based on the acquired knowledge and knowledge of the current legal regulations / R 4
3.4 Course content	During the course of teaching as part of the hourly education, students will receive for the preparation of independent tasks related to the application of processed material shaping of the building plot, determining the construction and regulation direction, calculating the coefficient of the construction and utilization of the plot, the floor space of the building, the construction, the semi-construction of buildings and the free construction scheme of the organization of the city space – the expansion of the city, the plan of purpose of the area, the bins area according to purpose, the traffic solution of traffic in movement and rest). In addition to regular attendance, properly resolved and submitted in time at the exercises are a condition for the realization of the right to obtain signatures for the completed course, which is a prerequisite for the accession of written and oral exams. Points for tasks created on exercises are awarded in accordance with the quality and accuracy of the workmanship and answers to questions regarding the task. When creating independent tasks, the student can have complete creative freedom, and in case of an interesting and purposeful proposal, the proposal can also be forwarded to the physical planning service of the city (settlement) for consideration, during an organized professional visit or visit by a guest lecturer. Within the course, field classes or a visit by a guest lecturer are organized – from the spatial planning and design service and the department for conducting physical planning documents and issuing acts on the construction of the city of Čakovec, and the Institute for Spatial Planning of Međimurje County.

3.5 Types of coursework

X	Lectures	X	Exercises		Blended e-learning		Individual activities		Laboratory
X	Seminars and workshops		Distant learning	X	Field classes		Multimedia and network		Mentorship
	Other								

3.6 Language of instruction

Croatian/English

3.7 Monitoring students' work (enter the number of ECTS credits for each activity so that the total number of ECTS credits is equal to the total ECTS value of the course, 1 ECTS = 30 hours)

2	Class attendance	0,5	Seminars		Essay
0,5	Class activity		Project		Report/paper
	Midterm exams		Practical task		Continuous knowledge check
1,0	Written exam		Experimental work		
1,0	Oral exam		Research		

3.8 Assessment and evaluation of students' work during classes and at the final exam

Activity specification	Percent %	Points
Assessment during instruction		
Attendance	5%	5
Class activity	5%	5
Work independently on assignments in class	20%	20
Independent work on tasks at home	20%	20
Exam assessment for the students who failed to fullfil all the obligatory requirements during the semester		
Written exam	*30%*	*30*
Oral exam	*20%*	*20*
Total:	**100%**	**100**

3.9 Assessment criteria – analysis per learning outcomes

Ways of evaluating learning outcomes						
	Attendance	**Activity**	**Seminars**	**work on tasks at home**		**Total**
Outcome 1		5	10	5		20
Outcome 2		5	10	5		20
Outcome 3		5	10	5		20
Outcome 4		5	10	5		20
Outcome 5		5		5		10
Outcome not-related	5	5				10
Total	5	30	40	25		100

Grading of outcomes (in order to pass the mid-term exam/exam the student must achieve more then 60% points for each learning outcome)

Points	Grade
91 – 100	excellent (5)
81 – 90	very good (4)
71 – 80	good (3)
61 – 70	pass (2)
0 – 60	fail (1)

3.10 Specific features related with taking the course

Students who regularly attended classes and performed all tasks on time have the opportunity to go to the pre-term part of the exam, which will consist of 3 tasks. By passing the written exam at the fore-book, they acquire the right to go to the oral exam. The final written exam is taken at the time of regular and extraordinary exam periods. A written exam consists of 3 tasks. Each accurately and fully solved task brings 5 points. The total maximum number of points on a written exam is 15 points. The oral exam can be accessed by a student who has achieved a score of at least 60.01% accuracy. The type of tasks is defined by the teacher, but all questions and tasks cover the material of the course that was handled in lectures and exercises.

3.11 Students obligations

Full-time students are required to attend at least 70% of the total number of hours of lectures and exercises in order to exercise the right to take the exam. Part-time students are required to attend at least 30% of the total number of hours of lectures and exercises in order to exercise the right to take the exam. If the student has not fulfilled all the obligations provided for in the course, he/she is obliged to attend lectures again and meet the requirements for taking the exam.

Incomingness can be compensated by online consultations, organized webinars and added tasks set by teachers. One class lasts 45 minutes, and more hours make up the unit. Absence from one unit counts as one absence. Delays and notes are recorded separately. In this case, the student has been absent with more than 50% of the lessons, and has a legitimate reason/apology, the application should be submitted to the Department Council, which then decides on the justification of student absences with the obligatory opinion of the holder of the course.

3.12 Written assignments

Svaki student izrađuje i prezentira seminarski rad na temu urbanističkog planiranja i projektiranja mjesta u kojem živi; potrebno je osvrtnuti se na postojeće stanje, aktualne prostorne planove, aktualne probleme i prijedlog njihovog rješavanja.

3.13 Required reading

1.	D.Prinz: URBANIZAM; Svezak I i II – URBANISTIČKO PLANIRANJE I OBLIKOVANJE, Zagreb, Golden marketing-Tehnička knjiga, 2008.

	2.	A.Marinović-Uzelac: PROSTORNO PLANIRANJE I URBANIZAM, Zagreb, 2001.
	3.	dr.sc.Jasenka Kranjčević: Zanemarena baština. Prostorne strukture sela u Hrvatskoj, Zagreb, Srednja Europa d.o.o., 2018.
3.14 Additional reading	1.	A.M.Uzelac: NASELJA, GRADOVI , PROSTORI ; Tehnička knjiga, Zagreb 1986.
	2.	aktualni zakoni,pravilnici i propisi iz područja urbanističkog planiranja i projektiranja (Narodne novine RH) – Zakon o prostornom uređenju
	3.	J.Horvat: MODERNI GRAD – ishodišta suvremenoga urbanističkog planiranja; Arhitektonski fakultet u Zagrebu, 2015. - skripta
	4.	A.Mohorovičić: Graditeljstvo u Hrvatskoj – arhitektura i urbanizam, Zagreb, Školska knjiga, 1992.
4 ADDITIONAL COURSE INFORMATION		
4.1 Quality control	The quality of the program, teaching process, teaching skills and level of mastery of the material will be established by conducting a written evaluation based on questionnaires, and in other standardised ways and in accordance with the by-laws of the Polytechnic of Međimurje in Čakovec.	
4.2 Contact the teacher	Students can contact the teacher during the office hours and during classes, while for short questions and explanations they can contact him/her any day during working hours by coming in person or by landline. It is also possible to ask questions by e-mail, which will be answered in 48 hours at the latest. It is desirable for students to come as often as possible for any possible questions during the teacher's office hours.	
4.3 Information about the course	It is the obligation of each student to be regularly informed about the course. All notifications about the classes or possible postponement of classes will be posted on the bulletin board and on the website of the Polytechnic at least 24 hours in advance.	
4.4 Course contribution to the study program	GENERIC LEARNING OUTCOMES I1 - Interpret information, ideas, problems and solutions to professional and general audiences I2 - Use new technologies and techniques as part of the lifelong learning process I3 - Use foreign languages in professional communication and use of professional literature I4 - Represent an ethical approach in work and according to project team associates I5 - Critically judge arguments, assumptions and data in order to create opinions and adhesion troubleshooting SPECIFIC LEARNING OUTCOMES I6 - Solve engineering problems of sustainable development using mathematics, physics, chemistry and biology I8 - Interdisciplinary to solve engineering problems of sustainable development I9 - Plan the circular economy in accordance with the legal framework in the Republic of Croatia I10 - Interpret European Union legislation on sustainable development I17 - Create an architectural and urban solution using basic principles of designing low-energy buildings using modern computer systems I21 - Propose selection of environmentally friendly materials in sustainable construction	

	I22 - Plan facilities management and maintain high-rise and civil engineering facilities