Card of Course

Description of course		
Code of course	TR.SPoORI	
Name of course	Selected problems of Operations Research I	
Version of course	2024/2025	
A. Place of the course in system of studies		
Level of education	Intermediate	
Form and mode of studies	Lecture annual and the animal and the	
Field of studies	Transport	
Profile of studies	General academic profile	
Specialisation	Main field	
Place of teaching of course	Faculty of Transport	
Place of realization of course	Department of Air Transport Engineering	
Coordinator of course	Professor Anna Stelmach, Ph.D., D. Sc.	
B. General characteristic of the course	participant randomer to adjust	
Block of courses	Main field	
Group of courses	General a selfmane legitaring no 2005 elibero la redución	
Level of course	Intermediate	
Status of course	Faculty with limited choice	
Language of course	English 2010/	
Nominal semester	L.	
Academic year	2024/2025	
Preliminary requirements		
Limit of students	- without alterdance toward to select	
C. Effects of education and manner of teaching	BALLO TO DATE BY SET HEROLD SHOULD SHOULD	
knowledge of a secondary of a second	specific tasks in the field of techniques analysis and of air traffic control: measurements of traffic parameter, measurements of air traffic control parameters, sector capacity, control of the aircraft streams flow.	
Effects of education	See Table 1.	
Form of didactic studies and number of hours	(1846) 中华石地为中央,是中国中国中国中国中国中国中国中国中国中国中国中国中国中国中国中国中国中国中国	
Lecture	15 TO CHIEF RI PURE PUT MAY	
Exercise type of course	The second secon	
Laboratory	Company of a consolination of the second second	
Project type of course		
Contents of education TOU ANT TOU ANT STORY THE STORY T	negarangents used where	
Methods of evaluation	Students independently perform tasks. The task will be reviewed taking into account the correctness of the implementation.	
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A STATE OF THE STA	Con Table 1	
Methods of verification of effects of education Exam	See Table 1.	

R SPOORI elected creblems of Operations torsearch 024y20x3 stermeniate	Management Science: Transportation, vo. 14, Cynthia Barnhart; Gilbert Laporte (Eds.); Barnhart, Cynthia (editor); Laporte, Gilbert (editor), 2006. [2] Mathematics and Operations Research. Part VII, Gawinecki Jerzy, 2007. [3] Graph Theory, Daniel A. Marcus, 2011. [4] Graph Theory: Colourings, Independence and Domination (CID), Ewa Drgas-Burchardt (Red.), 2017. [5] Graph Theory, Jose M. Rodriguez, 2018.		
Website of the course	assignate to about this one		
D. Student's activity	Field of studies		
Number of credits ECTS	3 salious to allion		
Number of hours of student's job for achievement of education's effect (description):	60 hours - 15 h. lectures, 10 h. study of the literature, 25 h. solve exercises, 10 h. consultations		
Number of credits ECTS on the course with direct participation of academic teacher	1 estudiated the course &		
Number of credits ECTS on practical activities on the course	2 - 2021/00 to quo i		
E. Additional information	a		
Notes	SELECT TO SACUROS		
	Nominal somettee		
Date of last edition	September 11st, 2024		

Table 1. General academic profile

Course's effects		Field effects	Area effect
	Knowledge		
Effect:	 The student has ordered knowledge of mathematical analysis. The student knows the principles of construction and use of mathematical models supporting decision-making processes (using graph theory) and the issue of Transport. 	Tr1A_W01	T1A_W01
Code of effect:	W_01		
Verification:	Forming evaluation: independent execution of tasks.		
	Skills		
Effect:	The students can obtain information from the literature, databases, and patent information and other reliable sources. The student is able to integrate the information, make their interpretation, and to draw conclusions and formulate and justify opinions.	Tr1A_U01	/ T1A_U01
Code of effect:	U_01		
Verification:	Forming evaluation: independent interpretation of the results of optimization tasks.	0	ocadals to shortest
	Social competences		
Effect:	Students can work in a group, taking the different roles.	Tr1A_K03	T1A_K03
Code of effect:	K_01		
Verification:	Forming evaluation: a common solution to the decision-making using known methods.	in attents to no	Shainey to voeth a med

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