

TRANSCRIPT OF RECORDS
ECTS - EUROPEAN CREDIT TRANSFER SYSTEM
ERASMUS +
ACADEMIC YEAR 2024/2025, SEMESTER: winter

NAME OF SENDING INSTITUTION: UNIVERSIDAD DE ALICANTE ECTS departmental coordinator: Jose Garcia Rodriguez
NAME OF STUDENT: Andrés De Lamo Álvaro Date and place of birth: 15.12.2004 Novelda (sex) : Male Study period at the host institution: from: 01.10.2024 to: 23.02.2025
NAME OF RECEIVING INSTITUTION: University of Silesia in Katowice Faculty/Department of: Faculty of Science and Technology/ Institute of Computer Science ECTS departmental coordinator: dr hab. Beata Zielosko, dr hab. Malgorzata Przybyła-Kasperek Tel.: +4832 3689758, +4832 3689756 e-mail box: beata.zielosko@us.edu.pl, malgorzata.przybyla-kasperek@us.edu.pl

Course Unit code (1)	Title of the course unit	Duration of course unit (2)	Local grade (3)	ECTS grade (4)	ECTS credits (5)
	DATA ANALYSIS IN BUSINESS	1S	BDB	A	4
	MONOGRAPHIC LECTURE - COMBINATORIAL MACHINE LEARNING	1S	DST	E	2
	MANAGING IT PROJECTS AND TEAMS	1S	BDB	A	2
	MATHEMATICAL MODELING OF OPTYMIZATION PROBLEMS	1S	BDB	A	3
	CLUSTER ANALYSIS ALGORITHMS IN APPLICATIONS	1S	BDB	A	4
	SCRIPTING LANGUAGES IN DATA ANALYSIS	1S	BDB	A	4
	DECISION AND ASSOCIATION RULES IN KNOWLEDGE DATA DISCOVERY	1S	+DB	B	4
					Total: 23

(1) (2) (3) (4) (5) see explanation on back page

Diploma/degree awarded:

Date	Signature of registrar/dean/administration officer	Stamp of institution:
26.02.2025 r		

UNIWERSYTET ŚLĄSKI
W KATOWICACH
Dziekanat Wydziału
Nauk Ścisłych i Technicznych
41-200 Sosnowiec, ul. Będzińska 39

PRODZIEKAN
ds. Studenckich i Kształcenia
Wydziału Nauk Ścisłych i Technicznych
Joanna Maszybrocka
dr Joanna Maszybrocka, prof. UŚ
-2-

NB : This document is not valid without the signature of the registrar/dean/administration officer and the official stamp of the institution.

(1) **Course unit code:**

Refer to the ECTS information Package

(2) **Duration of course unit:**

Y = 1 full academic year

1S = 1 semester

1T = 1 term/trimester

2S = 2 semesters

2T = 2 terms/trimesters

(3) **Description of the institutional grading system:**

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(4) **ECTS grading scale:**

ECTS Grade	% of successful students normally achieving the grade	Definition
A	10	EXCELLENT - outstanding performance with only minor errors
B	25	VERY GOOD - above the average standard but with some errors
C	30	GOOD - generally sound work with a number of notable errors
D	25	SATISFACTORY - fair but with significant shortcomings
E	10	SUFFICIENT - performance meets the minimum criteria
FX	-	FAIL - some more work required before the credit can be awarded
F	-	FAIL - considerable further work is required

(5) **ECTS credits:**

1 full academic year = 60 credits

1 semester = 30 credits

1 term/trimester = 20 credits