Plan studiów obowiązujący od roku akademickiego 2024/2025

Akceptuję
PROREKTOR
prof. dr hab. Dorota Kołodyńska

KIERUNEK: Business Analytics and Data Science
Specjalność studiów: brak specjalności
Poziom studiów: Studia I stopnia
Profil studiów: Ogólnoakademicki
Forma studiów: Stacjonarne

Lp.	Nazwa modułu (przedmiotu)	BN	Punkty ECTS	Razem	WY	CA	LB	KW	SM
	Blok modułów (przedmiotów) obowiązkowych - A								
1	Introduction to economics	BN	6	45	30	15	0	0	0
2	Introduction to management	BN	5	45	30	15	0	0	0
3	IT toolbox		5	60	0	0	0	60	0
4	Calculus	BN	10	90	30	60	0	0	0
5	Business statistics	BN	10	90	30	0	0	60	0
6	Introduction to commerce law	BN	5	30	30	0	0	0	0
7	Accounting	BN	5	45	15	0	0	30	0
8	Intoduction to finance	BN	6	45	15	30	0	0	0
9	Advanced spreadsheets		6	60	0	0	0	60	0
10	Human resource managment	BN	4	45	15	30	0	0	0
11	Soft skills and communication training		2	30	0	30	0	0	0
12	Advanced programming for analytics		4	60	0	0	0	60	0
13	Financial analysis & controlling	BN	4	45	15	0	0	30	0
14	Econometrics	BN	7	90	30	0	0	60	0
15	Databases & sql		4	60	0	0	0	60	0
16	Data visualization & storytelling		3	30	0	0	0	30	0
17	Marketing	BN	4	45	15	30	0	0	0
18	Project management	BN	2	45	15	0	0	30	0
19	Geographical information systems		2	30	0	0	0	30	0
20	Data mining	BN	3	45	15	0	0	30	0
21	Business simulation		4	30	0	0	0	30	0
22	Programming for analytics		4	60	0	0	0	60	0
23	Data collection methods	BN	2	30	0	0	0	30	0
24	Analytical project	BN	5	30	0	0	0	30	0
	Razem A		112	1195	285	210		690	
	Blok modułów (przedmiotów) wybieralnych/fakultatywnych - B								
1	Module of general university subjects		1	15	15				
2	Physical education		0	60		60			
3	Humanities Module**		5	45	45				
4	Foreign language		8	120				120	
5	Seminar		8	50					60
6	Business analytics and data science module*	BN	3	30	30				
	General business module A (2 out of 3)	BN	12	120	60	0	0	60	
7A	Financial Risk and its modeling								
8A	Data analysis in e-commerce								
9A	Leadership competencies and team management								
	General business module B (2 out of 3)	BN	12	120	60	0	0	60	
7B	Advanced financial analysis								
8B	Customer relationship management and data analysis								
9B	Business strategy and competitive analysis								
	General business module module C (2 out of 3)	BN	12	120	60		0	60	
7C	Investments and asset valuation								
8C	Social media analytics								
9C	Change management in organizations								
	Razem B		61	690	270	60		300	60
	Razem A+B		173	1875	555	270	0	990	60
	Razem godziny w semestrze								
	Razem godziny w roku								
	Praktyki (pkt ECTS/wymiar) (P)		4		120				
	Liczba punktów za pracę dyplomową i jej obronę (egzamin dyplomowy)		3						
	Punkty ECTS w semestrze								
	Razem		180	1995	555	270		990	60

Zatwierdzono na posiedzeniu Senatu w dniu: **20 grudnia 2023 r.**

Symbole: WY-wykład, CA-ćwiczenia, LB-laboratorium, KW-konwersatorium, SM-seminarium
E - egzamin
ZO - zaliczenie z oceną
A - blok modułów (przedmiotów) obowiązujących wszystkich studentów danego kierunku i specjalności
B - blok modułów (przedmiotów) wybieralnych/fakultatywnych m.in. specjalnościowych lub specjalizacyjnych (minimum 30% ogólnej liczby punktów ECTS)
BN - badania naukowe
* - oferta przedmiotów zostanie przedstawiona przed początkiem semestru
** - wykład zdalny, oferta przedmiotów zostanie przedstawiona przed początkiem semestru

BUSINESS ANALYTICS AND DATA SCIENCE – 1ST DEGREE

1st semester

OBLIGATORY SUBJECTS			
Modules	**ECTS credits**	**Type of classes**	**No. of hours**
Introduction to economics	6	LE+EXE	30+15
Indroduction to managment	5	LE+EXE	30+15
IT toolbox	3	EXE	30
Calculus	5	LE+EXE	15+30
Business Statistics	5	LE+EXE	15+30
Accounting	5	LE+EXE	15+30
ELECTIVE SUBJECTS			
Module of general university subjects	1	LE	15
Physical education	0	EXE	30

University-wide training courses:

- Health and safety at work
- Library training
- Ethics and disciplinary responsibility of students
- Anti-discrimination workshop
- Life-copers

2nd semester

OBLIGATORY SUBJECTS			
Modules	**ECTS credits**	**Type of classes**	**No. of hours**
IT toolbox	2	EXE	30
Calculus	5	LE+EXE	15+30
Business Statistics	5	LE+EXE	15+30
Introduction to commerce law	5	LE	30
Introduction to finance	6	LE+EXE	15+30
Advanced spreadheets	3	EXE	30
Programming for analytics	2	EXE	30
ELECTIVE SUBJECTS			
Physical education	0	EXE	30
Forein language	2	EXE	30

3rd semester

OBLIGATORY SUBJECTS			
Modules	**ECTS credits**	**Type of classes**	**No. of hours**
Advanced spreadheets	3	EXE	30
Human resources management	4	LE+EXE	15+30
Soft skills and communication training	2	EXE	30
Financial analysis and controlling	4	LE+EXE	15+30

Econometrics	4	LE+EXE	15+30
Databases & sql	2	EXE	30
Marketing	4	LE+EXE	15+30
Programming for analytics	2	EXE	30
ELECTIVE SUBJECTS			
Foreign language	2	EXE	30
Business analytics and data science module	3	LE	30

4ft semester

OBLIGATORY SUBJECTS			
Modules	ECTS credits	Type of classes	No. of hours
Advanced programming for analytics	2	EXE	30
Econometrics	3	EXE	30
Databases & sql	2	EXE	30
Data visualization and storytelling	3	EXE	30
ELECTIVE SUBJECTS			
Foreign language	2	EXE	30
Seminar	2	SM	20
Internship[1]	4	INT	120
GENERAL BUSINESS MODULE A (2 OUT OF 3)			
Financial risk and its modeling	6	LE+EXE	30+30
Data analysis in e-commerce	6	LE+EXE	30+30
Leadership competences and team management	6	LE+EXE	30+30

5ft semester

OBLIGATORY SUBJECTS			
Modules	ECTS credits	Type of classes	No. of hours
Advanced programming for analytics	2	EXE	30
Project management	2	LE+EXE	15+30
Geographical information systems	2	EXE	30
Data mining	3	LE+EXE	15+30
Data collection methods	2	EXE	30
ELECTIVE SUBJECTS			
Humanities Module	3	EXE	30
Foreign language	2	EXE	30
Seminar	2	SM	20
GENERAL BUSINESS MODULE B (2 OUT OF 3)			
Advanced financial analysis	6	LE+EXE	30+30
Customer relationship management and data analysis	6	LE+EXE	30+30
Business strategy and competitive analysis	6	LE+EXE	30+30

6th semester

OBLIGATORY SUBJECTS			
Modules	**ECTS credits**	**Type of classes**	**No. of hours**
Business simulation	4	EXE	30
Analytical project	5	EXE	30
ELECTIVE SUBJECTS			
Seminar	4	SM	20
Humanities module	2	LE	15
GENERAL BUSINESS MODULE C (2 OUT OF 3)			
Investments and asset valuation	6	LE+EXE	30+30
Social media analytics	6	LE+EXE	30+30
Change management in organizations	6	LE+EXE	30+30

LE - lecture

EXE - exercise classes

SM - seminar

INT - internship

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[1] The university does not provide organization of internship in companies.