

PLAN STUDIÓW

WYDZIAŁ: Wydział Elektroniki, Telekomunikacji i Informatyki, Wydział Zarządzania i Ekonomii
KIERUNEK: Inżynieria danych
poziom kształcenia: I stopnia - inżynierskie
profil: ogólnoakademicki
forma studiów: stacjonarne

Lp.	O/F	kod modułu/ przedmiotu*	nazwa zajęć	efekty kształcenia	grupa zajęć**	SEMESTR							liczba punktów ECTS
						forma zaliczenia	liczba godzin					razem	
							w	ć	l	p	s		
SEMESTR 1													
1 Inżynieria danych (Kierunek)													
1	O	PG_00045355	Hypertext and hypermedia	K6_U01 K6_W04	A D	Z	15	0	6	20	0	41	3
2	O	PG_00045351	Precalculus	K6_K01 K6_U05 K6_W01	A	Z	15	15	0	0	0	30	3
3	O	PG_00045290	Basics of computer programming	K6_U01 K6_W05	A D	Z	30	0	15	20	0	65	5
4	O	PG_00045291	Operating systems	K6_U01 K6_W04	A D	E	15	0	15	0	0	30	3
5	O	PG_00045329	Elements of logic and epistemology	K6_W13 K6_U10 K6_U14 K6_K02	A C	Z	0	30	0	0	0	30	2
6	O	PG_00045358	Economics and organization of enterprises	K6_U08 K6_W10 K6_K06	A D	Z	15	15	0	0	0	30	2
7	O	PG_00045353	Calculus	K6_K01 K6_U05 K6_W01	A	E	15	30	0	0	0	45	5
8	O	PG_00045356	Business law	K6_W13 K6_U10 K6_K02	A D	Z	15	15	0	0	0	30	2
9	O	PG_00045352	Linear algebra	K6_K01 K6_U05 K6_W01	A	Z	15	15	0	0	0	30	3
suma:							135	120	36	40	0	331	28

SEMESTR 2													
1 Inżynieria danych (Kierunek)													
1	O	PG_00045294	Elements of discrete mathematics	K6_U03 K6_W01 K6_W06	A D	Z	15	15	0	0	0	30	2
2	O	PG_00045296	Numerical methods	K6_U03 K6_W01	A D	Z	15	0	15	0	0	30	2
3	O	PG_00045295	Object programming	K6_U01 K6_W05	A D	E	15	0	11	30	0	56	3
4	O	PG_00045328	Communication and negotiations	K6_W11 K6_U10 K6_U14 K6_K02 K6_K04	A C D	Z	0	30	0	0	0	30	2
5	O	PG_00045293	Descriptive statistics	K6_W09 K6_U11 K6_K05	A D	Z	15	0	15	0	0	30	3
6	O	PG_00045289	Essentials of management	K6_U08 K6_W10 K6_K06	A D	E	15	30	0	0	0	45	3
7	O	PG_00045359	Essentials of micro- and macroeconomics	K6_W09 K6_K02 K6_U07	A D	E	30	45	0	0	0	75	5
8	O	PG_00045360	Algorithms and data structures	K6_U03 K6_W06	A D	E	30	0	15	15	0	60	5
9	O	PG_00045292	Basics of physics	K6_U04 K6_W17	A	Z	30	15	0	0	0	45	4
10	O	PG_M0001168	Foreign language	K6_K82 K6_K81 K6_U82 K6_W81 K6_U81	B	Z	0	30	0	0	0	30	2
11	O	PG_00046330	English			Z	0	30	0	0	0	30	2
suma:							165	165	56	45	0	431	31

SEMESTR 3													
1 Inżynieria danych (Kierunek)													
1	O	PG_00053094	Digital Technologies for Business Communication	K6_W12 K6_K03 K6_U13	A D	Z	15	0	30	0	0	45	3
2	O	PG_00045362	Knowledge management	K6_W10 K6_K01 K6_U07	A D	Z	15	15	0	0	0	30	3

3	O	PG_00045302	Software engineering	K6_U02 K6_W05	A D	E	15	0	30	0	0	45	3
4	O	PG_00045363	Sport	K6_W91 K6_U91 K6_K91	A	Z	0	30	0	0	0	30	0
5	O	PG_00045301	Databases	K6_U01 K6_W07	A D	E	15	0	15	15	0	45	4
6	O	PG_00045298	Mathematical statistics	K6_U11 K6_K01 K6_W08	A D	E	30	30	15	0	0	75	4
7	O	PG_00045297	Technical physics	K6_U04 K6_W17	A	E	15	15	15	0	0	45	5
8	O	PG_00045300	Essentials of accounting	K6_W11 K6_U11 K6_K05	A D	Z	15	30	0	0	0	45	3
9	O	PG_00045361	Marketing	K6_U09 K6_W10 K6_K01	A D	Z	15	15	0	0	0	30	2
10	O	PG_00045303	Programming languages	K6_U01 K6_W05	A D	Z	15	0	15	0	0	30	2
11	O	PG_M0001168	Foreign language	K6_K82 K6_K81 K6_U82 K6_W81 K6_U81	B	Z	0	30	0	0	0	30	2
12	O	PG_00046330	English			Z	0	30	0	0	0	30	2
suma:							150	165	120	15	0	450	31

SEMESTR 4

1 Inżynieria danych (Kierunek)

1	O	PG_00053006	Marketing research	K6_W14 K6_U09 K6_K01	A D	Z	15	0	30	0	0	45	3
2	O	PG_00045309	Data warehouses	K6_U06 K6_W08 K6_W16	A D	E	15	0	30	0	0	45	4
3	O	PG_00045304	Corporate finance	K6_W11 K6_U12 K6_K06	A D	Z	15	15	15	0	0	45	3
4	O	PG_00045305	Human-computer interaction	K6_W11 K6_K03 K6_U02	A D	Z	30	0	30	0	0	60	4
5	O	PG_00045369	Sport	K6_W91 K6_U91 K6_K91	A	Z	0	30	0	0	0	30	0
6	O	PG_00045310	Artificial intelligence	K6_U03 K6_W06 K6_W08	A D	E	15	0	30	15	0	60	5
7	O	PG_00045365	Data mining	K6_U03 K6_U06 K6_W08	A D	Z	15	0	15	0	0	30	3
8	O	PG_00045364	Business process modelling	K6_K03 K6_U03 K6_W08	A D	Z	15	0	30	0	0	45	3
9	O	PG_M0000840	Socio-humanistic electives	K6_K05 K6_U14 K6_W11	B C		0	30	0	0	0	30	3
10	O	PG_00045306	Psychological aspects of assessment and decision making	K6_W11 K6_U14 K6_K05	B C	Z	0	30	0	0	0	30	3
11	O	PG_00045307	Introduction to cognitive science	K6_W11 K6_U14 K6_K05	B C	Z	0	30	0	0	0	30	3
12	O	PG_00045308	Ethics	K6_W11 K6_U14 K6_K05	B C	Z	0	30	0	0	0	30	3
13	O	PG_M0001168	Foreign language	K6_K82 K6_K81 K6_U82 K6_W81 K6_U81	B	Z	0	30	0	0	0	30	2
suma:							120	105	180	15	0	420	30

SEMESTR 5

1 Inżynieria danych (Kierunek)

1	O	PG_00053007	Visualization of economic data	K6_W12 K6_K01 K6_U06	A D	Z	15	0	30	0	0	45	3
2	O	PG_00045311	Nonrelational databases	K6_U03 K6_W04 K6_W07	A D	E	15	0	30	15	0	60	3
3	O	PG_M0001168	Foreign language	K6_K82 K6_K81 K6_U82 K6_W81 K6_U81	B	E	0	30	0	0	0	30	2

2 Creating big data solutions (Strumień)

4	O	PG_00045385	Agent systems	K6_U03 K6_W04 K6_W06	B D	Z	15	0	0	15	0	30	4
5	O	PG_00045320	Geographic information systems	K6_U01 K6_W03	B D	Z	15	0	15	0	0	30	4
6	O	PG_00045321	Computer networks - lectures	K6_U02 K6_W02	B D	E	30	0	0	0	0	30	4
7	O	PG_00045386	Advanced nonrelational databases	K6_U03 K6_W04 K6_W07	B D	Z	15	0	30	30	0	75	6
8	O	PG_00045384	Internet services architectures	K6_K01 K6_U01 K6_W04	B D	E	30	0	15	0	0	45	4
suma:							135	30	120	60	0	345	30
2 Big data in business management (Strumień)													
4	O	PG_00053097	Enterprise Information Systems	K6_W09 K6_U08	B D	Z	15	0	30	0	0	45	5
5	O	PG_00053096	Business Data Analytics	K6_K05 K6_U01 K6_W08	B D	Z	15	0	30	0	0	45	4
6	O	PG_00045371	Informatization strategies	K6_K01 K6_U03 K6_W02	B D	Z	15	0	15	0	0	30	3
7	O	PG_00045372	Business process analysis and optimization	K6_K05 K6_U06 K6_W01	B D	Z	15	0	30	0	0	45	4
8	O	PG_00045316	Decision analysis	K6_U10 K6_K02 K6_W06	B D	E	30	0	30	0	0	60	6
suma:							120	30	195	15	0	360	30

SEMESTR 6													
1 Inżynieria danych (Kierunek)													
1	O	PG_00053095	Cybersecurity of Enterprise Infrastructure	K6_U02 K6_W04	A D	E	30	0	30	0	0	60	3
2	O	PG_00053008	Data quality assurance	K6_U02 K6_W16	A D	Z	15	0	0	15	0	30	3
3	O	PG_00045273	Internship	K6_U08 K6_U11 K6_K01 K6_K03 K6_U03	A D	Z	0	0	0	0	0	0	2
4	O	PG_00045314	Diploma thesis 1	K6_K01 K6_K03 K6_U02 K6_U13 K6_W15	A D	Z	0	0	0	15	0	15	4
2 Creating big data solutions (Strumień)													
5	O	PG_00045323	Computer networks - laboratories	K6_U02 K6_U06 K6_W02	B D	Z	0	0	15	0	0	15	2
6	O	PG_00045322	Large-scale enterprise applications	K6_U01 K6_U02 K6_W04 K6_W05	B D	E	30	0	30	0	0	60	5
7	O	PG_00045324	Applications of geographic information systems	K6_U03 K6_U06 K6_W03	B D	Z	18	0	15	12	0	45	3
8	O	PG_00045325	Big Data processing frameworks	K6_U03 K6_U06 K6_W05 K6_W07	B D	E	15	0	30	15	0	60	5
9	O	PG_00045387	Distributed processing	K6_U03 K6_U06 K6_W04	B D	Z	15	0	30	15	0	60	5
suma:							123	0	150	72	0	345	32
2 Big data in business management (Strumień)													
5	O	PG_00053100	Business Data Semantics and Representation	K6_U11 K6_K03 K6_W03	B D	E	30	0	30	0	0	60	5
6	O	PG_00053099	IT Project Management	K6_W11 K6_K03 K6_U02	B D	Z	15	0	30	0	0	45	5
7	O	PG_00053098	Digital Business	K6_W09 K6_K02 K6_U13	B D	Z	30	0	30	0	0	60	5
8	O	PG_00045374	E-marketing and trend analysis	K6_W11 K6_U09 K6_K01	B D	E	30	0	30	0	0	60	5
suma:							150	0	150	30	0	330	32

SEMESTR 7													
1 Inżynieria danych (Kierunek)													
1	O	PG_00045367	Intellectual property protection	K6_U10 K6_K02 K6_W15	A C	Z	0	15	0	0	0	15	2

2	O	PG_00045368	Diploma seminar	K6_K01 K6_K03 K6_U02 K6_U13 K6_W15	A D	Z	0	0	0	30	0	30	2
3	O	PG_00045315	Diploma thesis 2	K6_K01 K6_K03 K6_U02 K6_U13 K6_W15	A D	Z	0	0	0	45	0	45	10

2 Creating big data solutions (Strumień)

3 Intelligent data processing (Profil)

4	O	PG_00053025	Deep neural networks for data analysis	K6_U03 K6_W01 K6_W08	B D	E	15	0	0	30	0	45	4
5	O	PG_00045382	Big Data analysis	K6_U03 K6_U06 K6_W07	B D	Z	0	0	30	0	0	30	4
6	O	PG_00045380	Advanced data mining	K6_U01 K6_W07 K6_W08	B D	Z	0	0	30	0	0	30	4
7	O	PG_00045381	Database management systems	K6_U06 K6_W07	B D	E	15	0	15	0	0	30	4

suma: 30 15 75 105 0 225 30

3 Data exploration in management (Profil)

4	O	PG_00045377	Interactive visualisation	K6_K04 K6_U13 K6_W08	B D	Z	0	0	30	0	0	30	4
5	O	PG_00045379	Investment strategies	K6_W11 K6_U12	B D	Z	0	0	30	0	0	30	4
6	O	PG_00045376	Applications of AI methods in enterprise	K6_K03 K6_U01 K6_W06	B D	E	15	0	30	0	0	45	4
7	O	PG_00045378	Market analysis	K6_W14 K6_U09	B D	Z	0	0	30	0	0	30	4

suma: 15 15 120 75 0 225 30

2 Big data in business management (Strumień)

3 Intelligent data processing (Profil)

4	O	PG_00053025	Deep neural networks for data analysis	K6_U03 K6_W01 K6_W08	B D	E	15	0	0	30	0	45	4
5	O	PG_00045382	Big Data analysis	K6_U03 K6_U06 K6_W07	B D	Z	0	0	30	0	0	30	4
6	O	PG_00045380	Advanced data mining	K6_U01 K6_W07 K6_W08	B D	Z	0	0	30	0	0	30	4
7	O	PG_00045381	Database management systems	K6_U06 K6_W07	B D	E	15	0	15	0	0	30	4

suma: 30 15 75 105 0 225 30

3 Data exploration in management (Profil)

4	O	PG_00045377	Interactive visualisation	K6_K04 K6_U13 K6_W08	B D	Z	0	0	30	0	0	30	4
5	O	PG_00045379	Investment strategies	K6_W11 K6_U12	B D	Z	0	0	30	0	0	30	4
6	O	PG_00045376	Applications of AI methods in enterprise	K6_K03 K6_U01 K6_W06	B D	E	15	0	30	0	0	45	4
7	O	PG_00045378	Market analysis	K6_W14 K6_U09	B D	Z	0	0	30	0	0	30	4

suma: 15 15 120 75 0 225 30

ŁĄCZNIE												
PRAKTYKI												

Kurs	
Intelligent data processing (Profil)	
SUMA GODZIN	2547
SUMA ECTS	212

Data exploration in management (Profil)	
SUMA GODZIN	2547
SUMA ECTS	212

Intelligent data processing (Profil)	
SUMA GODZIN	2547
SUMA ECTS	212

Data exploration in management (Profil)	
SUMA GODZIN	2547
SUMA ECTS	212

objaśnienia:

O - przedmiot obowiązkowy do zaliczenia danego roku studiów

F - przedmiot fakultatywny (do wyboru)

w - wykład

ć - ćwiczenia

l - laboratorium

p - projekt

s - seminarium

*kod nadawany przez system "Programy kształcenia"

**grupy zajęć zgodne z załącznikiem nr 1 do niniejszego zarządzenia (w sprawie zasad tworzenia oraz likwidacji kierunków studiów wyższych na Politechnice Gdańskiej)