

LP	Jednostka	Semestr	Kod przedmiotu	Nazwa przedmiotu	ECTS	Poziom (BA, MA, Optional)	Dziedzina ISCED	Język nauczania	Wymiar godzin	Typ zajęć (wykład, ćwiczenia, itp..)	Wykładowca
LP	Faculty	Semester	Course code	Name of the course	ECTS	Level (BA, MA, Optional)	ISCED code	Language of instruction	Hours	Type of classes (lecture, tutorial, etc.)	Lecturer
1	Faculty of Mathematics and Computer Science	winter	1100-AC0ENG	Algorithms and Complexity	5	BA	0610	English	28+28	lecture + laboratory	dr Jakub Olejnik
2	Faculty of Mathematics and Computer Science	winter	1100-DM0ENG	Discrete Mathematics	6	BA	0610	English	28+28	lecture + discussion class	dr Katarzyna Kielanowicz
3	Faculty of Mathematics and Computer Science	winter	1100-OP0ENG	Object-Oriented Programming	5	BA	0610	English	28+28	lecture + laboratory	dr Agata Pórola
4	Faculty of Mathematics and Computer Science	winter	1100-ID0ENG	Introduction to Databases	6	BA	0610	English	28+28	lecture + laboratory	dr hab. Ludmyla Kolichekina
5	Faculty of Mathematics and Computer Science	winter	1100-BS0ENG	Security of Computer Systems	6	BA	0610	English	28+28	lecture + laboratory	dr Mariusz Frydrych
6	Faculty of Mathematics and Computer Science	winter	1100-TE0ENG	Team Project	4	BA	0610	English	28	laboratory	TBA
7	Faculty of Mathematics and Computer Science	winter	1100-CG0ENG	Computer Graphics	6	BA	0610	English	28+28	lecture + laboratory	dr hab. Kamil Niedziałomski
8	Faculty of Mathematics and Computer Science	winter	1100-MA0ENG	Mobile Applications	4	BA	0610	English	28	laboratory	TBA
9	Faculty of Mathematics and Computer Science	winter	1100-AI0UEN	Artificial Intelligence	6	MA	0610	English	28+28	lecture + laboratory	TBA
10	Faculty of Mathematics and Computer Science	winter	1100-AT0UEN	Algorithmic Techniques	5	MA	0610	English	28+28	lecture + laboratory	TBA
11	Faculty of Mathematics and Computer Science	winter	1100-MS0UEN	Modelling and Simulation	5	MA	0610	English	28+28	lecture + laboratory	dr Anna Kaźmierczak
12	Faculty of Mathematics and Computer Science	winter	1100-TP0UEN	Advanced Programming Techniques	6	MA	0610	English	56	laboratory	dr Paweł Zajęczkowski
13	Faculty of Mathematics and Computer Science	winter	1100-PU0UEN	Programming Web Services	5	MA	0610	English	28+28	lecture + laboratory	dr Mariusz Jarocki
14	Faculty of Mathematics and Computer Science	winter	1100-ZP0UEN	IT Projects Management	6	MA	0610	English	28+28	lecture + laboratory	TBA
15	Faculty of Mathematics and Computer Science	winter	1100-JW0UEN	Machine-Language Programming	6	MA	0610	English	28+28	lecture + laboratory	dr Paweł Zajęczkowski
16	Faculty of Mathematics and Computer Science	winter	1100-ML0ENG	Machine Learning	6	MA	0610	English	28+28	lecture + laboratory	dr Monika Bartkiewicz
17	Faculty of Mathematics and Computer Science	winter	1100-AZ0UMM-Erasm	Complex Analysis	5	MA	0541	English	28+28	lecture + discussion class	dr Maria Frontczak
18	Faculty of Mathematics and Computer Science	winter	1100-TO0LMM-Erasm	Introduction to Topology	4	BA	0541	English	14+28	lecture + discussion class	TBA
19	Faculty of Mathematics and Computer Science	winter	1100-PR0UFM-Erasm	Probability Basis of Statistical Inference	4	MA	0541	English	28+28	lecture + discussion class	TBA
20	Faculty of Mathematics and Computer Science	winter	1100-AA0UMM-Erasm	Abstract Algebra	5	MA	0541	English	28+28	lecture + discussion class	dr Szymon Brzostowski
21	Faculty of Mathematics and Computer Science	winter	1100-GR0UMM-Erasm	Differential Geometry	5	MA	0541	English	28+28	lecture + discussion class	dr hab. Andrzej Biś
22	Faculty of Mathematics and Computer Science	winter	1100-DI0ENG-Erasm	Introduction to Differential Equations	6	Optional (BA,MA)	0541	English	28+28	lecture + discussion class	dr Elżbieta Motyl
23	Faculty of Mathematics and Computer Science	winter	1100-IR0ENG	Introduction to R	2	Optional (BA)	0610	English	14	laboratory	TBA
24	Faculty of Mathematics and Computer Science	winter	1100-PY0ENG	Introduction to Python	2	Optional (BA)	0610	English	14	laboratory	dr Tomasz Rodak
25	Faculty of Mathematics and Computer Science	winter	1100-DG0ENG	Developing Games in Unity	3	Optional (BA)	0610	English	28	laboratory	TBA
26	Faculty of Mathematics and Computer Science	winter	1100-IGWEUI	Artificial Intelligence in Computer Games	4	Optional (BA)	0610	English	28	laboratory	dr Marta Lipnicka
27	Faculty of Mathematics and Computer Science	winter	1100-ETR0ENG	Elements of theory group representations	5	Optional (BA,MA)	0541	English	28+28	lecture + discussion class	dr hab. Antoni Pierzchański
28	Faculty of Mathematics and Computer Science	winter	1100-TW0UEN	Technical Writing	5	Optional (BA,MA)	0610	English	42	laboratory	mgr Zofia Walczak
29	Faculty of Mathematics and Computer Science	summer	1100-SI0ENG	Software Engineering	5	BA	0610	English	28+28	lecture + laboratory	TBA
30	Faculty of Mathematics and Computer Science	summer	1100-CN0ENG	Computer Networks	5	BA	0610	English	28+28	lecture + laboratory	dr Wojciech Horzelski

31	Faculty of Mathematics and Computer Science	summer	1100-AV0ENG	Advanced Algorithms	6	BA	0610	English	28+28	lecture + laboratory	TBA
32	Faculty of Mathematics and Computer Science	summer	1100-PS0ENG	Methods of Probability and Statistics	5	BA	0610	English	28+28	lecture + discussion class	dr Hanna Podseǳkowska
33	Faculty of Mathematics and Computer Science	summer	1100-WA0ENG	Web Applications	5	BA	0610	English	12+28	lecture + laboratory	mgr Piotr Frąćszak
34	Faculty of Mathematics and Computer Science	summer	1100-AB0ENG	Database Systems Administration	6	BA	0610	English	28+28	lecture + laboratory	dr Michał Bleja
35	Faculty of Mathematics and Computer Science	summer	1100-MN0ENG	Numerical Methods	5	BA	0610	English	28+28	lecture + laboratory	dr hab. Liudmyła Kolichekina
36	Faculty of Mathematics and Computer Science	summer	1100-BO0UEN	Operations Research	5	MA	0610	English	28+28	lecture + discussion class	prof. dr hab. Dariusz Ideczak
37	Faculty of Mathematics and Computer Science	summer	1100-GF0UEN	Graph and Network Theory	5	MA	0610	English	28+28	lecture + laboratory	dr hab. Marek Majewski
38	Faculty of Mathematics and Computer Science	summer	1100-PD0UEN	Programming Paradigms and Languages	5	MA	0610	English	28+28	lecture + laboratory	dr Robert Kowalczyk, dr Anna Łazińska
39	Faculty of Mathematics and Computer Science	summer	1100-SB0UEN	Database Systems	3	MA	0610	English	28	laboratory	dr Michał Bleja
40	Faculty of Mathematics and Computer Science	summer	1100-CP0UEN	Concurrent Programming	5	MA	0610	English	28+28	lecture + laboratory	dr Jakub Olejnik
41	Faculty of Mathematics and Computer Science	summer	1100-SA0UEN	Application Servers	5	MA	0610	English	28+28	lecture + laboratory	dr Alexander Shapoval
42	Faculty of Mathematics and Computer Science	summer	1100-BE0UEN	Security of Network Environment	5	MA	0610	English	28+28	lecture + laboratory	dr Mariusz Frydrych
43	Faculty of Mathematics and Computer Science	summer	1100-RC0UFM-Erasm	Partial Differential Equations	5	MA	0541	English	28+28	lecture + discussion class	prof. dr hab. Andrzej Nowakowski
44	Faculty of Mathematics and Computer Science	summer	1100-TO0UMM-Erasm	Topology	5	MA	0541	English	28+28	lecture + discussion class	dr Tomasz Zawadzki
45	Faculty of Mathematics and Computer Science	summer	1100-PS0UFM-Erasm	Stochastic Processes	5	MA	0541	English	28+28	lecture + discussion class	TBA
46	Faculty of Mathematics and Computer Science	summer	1100-GU0ENG	Programming Windows GUI Applications	4	Optional (BA)	0610	English	28	laboratory	dr Paweł Zajęzkowski
47	Faculty of Mathematics and Computer Science	summer	1100-JJ0ENG	Introduction to Java	4	Optional (BA)	0610	English	28	laboratory	dr Anna Łazińska
48	Faculty of Mathematics and Computer Science	summer	1100-IU0ENG	Designing Interfaces	2	Optional (BA)	0610	English	28	laboratory	dr Wioletta Karpińska
49	Faculty of Mathematics and Computer Science	summer	1100-CE0ENG	Codes Correcting Errors	4	Optional (BA)	0610	English	28	laboratory	dr hab. Antoni Pierzechalski
50	Faculty of Mathematics and Computer Science	summer	1100-MF0UEN	Financial Mathematics for Computer Science	4	Optional (MA)	0610	English	20+20	lecture + discussion class	prof. dr hab. Dariusz Zagrodny
51	Faculty of Mathematics and Computer Science	summer	1100-AE0UEN	Advanced Encryption Methods	4	Optional (MA)	0610	English	28	laboratory	dr Mariusz Frydrych