UNIVERSITY OF WROCŁAW

TRANSCRIPT OF RECORDS

INFORMATION ON THE STUDENT

Surname: *Ciesielski*
First name(s): *Grzegorz*
Date of birth (day, month, year): *16.04.1997*
Student identification number or code: *290956*

INFORMATION ON THE STUDIES

Name of the programme: *Bachelor's degree, first cycle programme*
Date of the beginning of studies: *01.10.2016*
Mode of study: *full-time;* Level of qualification: *first cycle programme*
Field of study: *Joint Studies in Computer Science and Mathematics*

INFORMATION ON THE RESULTS GAINED

Courses by didactic cycles	Type/No. of hrs	Grade	ECTS
Winter semester 2016/17			
(28-MT-S-wAM1-ISIM) Advanced calculus I	*wyk 60 / cw 60*	*[5/5]*	*10*
(28-INF-S-DOMDM) Discrete Mathematics	*wyk 45 / cw 45 / rep 30*	*[5/5/]*	*9*
(60-S-JA-B2-II-60h) English course B2-II	*egz 60*	*[5]*	*12*
(00-BHP) Initial training in the field of health and safety and fire protection	*kint*	*[zal]*	
(28-INF-S-DK13WDPC) Introduction to programming in C	*wyk 30 / prac 30*	*[/5]*	*5*
(28-INF-S-DOLZ) Logic for Computer Science	*wyk 30 / cw 30*	*[5/5]*	*8*
Summer semester 2016/17			
(28-MT-S-wAM2-ISIM) Advanced calculus II	*wyk 60 / cw 60*	*[5/5]*	*10*
(28-MT-S-wAl1-ISIM) Algebra I	*wyk 45 / cw 45*	*[5/5]*	*8*
(28-INF-S-DZ6AE) Evolutionary Algorithms	*wyk 30 / cw+prac 30*	*[5/4,5]*	*6*
(28-INF-S-DK14PCPP) Programming in C++	*wyk 30 / prac 30*	*[/5]*	*5*
(28-INF-S-DOMP) Programming methodology	*wyk 45 / cw 30 / prac 15 / rep 30*	*[4,5/4/4/]*	*9*
(28-MT-S-WTop) Topology	*wyk 30 / cw 30*	*[5/5]*	*6*
Winter semester 2017/18			
(28-MT-S-wAl2-ISIM) Algebra II	*wyk 30 / cw 30*	*[4/5]*	*6*
(28-MT-S-WFunRzecz) Introduction to measure and integration	*wyk 30 / cw 30*	*[5/5]*	*6*
(28-INF-S-DOANM) Numerical Analysis	*wyk 60 / cw 30 / prac 15 / rep 30*	*[3,5/4,5/5/]*	*12*
(28-INF-S-DP6SO) Operating Systems	*wyk 30 / cw+prac 30*	*[4/4]*	*6*
(28-INF-S-DP7RPI) Probabilistics in Computer Science	*wyk 30 / cw 30*	*[4/5]*	*6*
(28-INF-S-DKWEPPO) Selected Areas of Practical Software Development	*wyk 30 / prac 30*	*[/5]*	*5*
Summer semester 2017/18			
(28-MT-S-WTopAlg) Algebraic topology 1	*wyk 30 / cw 30*	*[5/5]*	*6*
(28-INF-S-DOASDM) Algorithms and Data Structures	*wyk 60 / cw 30 / prac 30 / rep 30*	*[5/4,5/5/]*	*13*
(28-INF-S-DP6SI) Artificial Intelligence	*wyk 30 / cw+prac 30*	*[5/5]*	*6*
(28-INF-S-DP6SK) Computer Networks	*wyk 30 / prac 30*	*[4/4,5]*	*6*
(28-MT-S-wRR1-R) Differential equations 1 R	*wyk 45 / cw 30*	*[4,5/4,5]*	*7*
Winter semester 2018/19			
(28-MT-S-WTopAlg2) Algebraic Topology 2	*wyk 30 / cw 30*	*[4,5/5]*	*6*
(28-INF-S-DZ6KMB) Combinatorics	*wyk 30 / cw 30*	*[5/5]*	*6*
(28-MT-S-NEkIntEuro) Economics of European integration	*wyk 30*	*[4]*	*4*

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Courses by didactic cycles	Type/No. of hrs	Grade	ECTS
Winter semester 2018/19			
(28-MT-S-wAnFunkcj1) Functional analysis 1	*wyk 45 / cw 30*	*[3/3]*	7
(28-INF-S-DZ7SNIDL) Neural Networks and Deep Learning	*wyk 30 / prac 30*	*[4,5/4,5]*	6
(8545-WF-Pilkosz) physical education-basketball	*wf 30*	*[5,0]*	1
(28-MT-S-KOchrWIntel) Protection of intelectual property	*cw 15*	*[3,5]*	1
(28-INF-S-DSLTT) Seminar: Logic and Type Theory	*sem 30*	*[5]*	3
	ECTS in total:		201

Course code description

cw	*class*
cw+prac	*class + lab*
egz	*examination*
kint	*e-learning course*
prac	*lab*
rep	*lecture revisited*
sem	*seminar*
wf	*physical exercises*
wyk	*lecture*

Grades outside brackets are course grades, grades inside brackets are grades for the classes, vertical bar separates grades for various classes, semicolon separates grades on various exam reports, space separates grades on the same exam report, order of grades on a report follows order of exam sessions.
ZAL (zaliczenie) = non-graded pass, NZAL (niezaliczenie) = fail, — = no grade in the examination protocol.
ECTS credits: 1 full academic year = 60 credits.

University grading scale related to ECTS grading system:

ECTS grade	Local grade	Local definition
nzal		*fail*
2	*2*	*2-fail*
zal		*pass*
3	*3*	*3 - satisfactory*
3,5	*3,5*	*3,5 - plus satisfactory*
4	*4*	*4 - good*
4,5	*4,5*	*4,5 - plus good*
5	*5*	*5 - very good*

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Signature and name-bearing stamp or seal of the dean or head of the organisational unit