

UNIVERSITY OF WROCŁAW

TRANSCRIPT OF RECORDS

INFORMATION ON THE STUDENT

Surname: *Dybiec*
 First name(s): *Paweł Mariusz*
 Date of birth (day, month, year): *08.07.1995*
 Student identification number or code: *271900*

INFORMATION ON THE STUDIES

Name of the programme: *Bachelor's degree, first cycle programme*
 Date of the beginning of studies: *01.10.2014*
 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
<i>Winter semester 2014/15</i>			
<i>(28-MT-S-wAM1-ISIM) Advanced calculus I</i>	<i>wyk 60 / cw 60</i>	<i>[5/3,5]</i>	<i>10</i>
<i>(28-MT-S-wAl1-ISIM) Algebra I</i>	<i>wyk 45 / cw 45</i>	<i>[4/3,5]</i>	<i>8</i>
<i>(28-INF-S-DOMDM) Discrete Mathematics</i>	<i>wyk 45 / cw 45 / rep 15</i>	<i>[4,5/3/]</i>	<i>9</i>
<i>(28-INF-S-DK13WDPC) Introduction to programming in C</i>	<i>wyk 30 / prac 30</i>	<i>[/3,5]</i>	<i>5</i>
<i>(28-INF-S-DOLI) Logic for Computer Science</i>	<i>wyk 30 / cw 30 / rep 30</i>	<i>[4/5/]</i>	<i>8</i>
<i>(28-INF-S-D14BHP) OSH (Occupational safety and health)</i>	<i>wyk 4</i>	<i>zal</i>	
<i>(28-INF-S-DP12PSR) Practice of rigorous mathematical reasoning</i>	<i>wyk 20 / cw 40 / rep 20</i>	<i>[zal/ /]</i>	<i>1</i>
<i>(28-INF-S-DS6MIA) Seminar: Efficient Implementation of Algorithms</i>	<i>sem 30</i>	<i>[3]</i>	<i>3</i>
<i>Summer semester 2014/15</i>			
<i>(28-MT-S-wAM2-ISIM) Advanced calculus II</i>	<i>wyk 60 / cw 60</i>	<i>[4,5/4]</i>	<i>10</i>
<i>(28-MT-S-wAl2-ISIM) Algebra II</i>	<i>wyk 30 / cw 30</i>	<i>[3,5/4]</i>	<i>6</i>
<i>(28-INF-S-DOASDM) Algorithms and Data Structures</i>	<i>wyk 60 / cw 30 / prac 30 / rep 30</i>	<i>[5/5/5/]</i>	<i>13</i>
<i>(28-INF-S-DK14PCPP) Programming in C++</i>	<i>wyk 30 / prac 30</i>	<i>[/5]</i>	<i>5</i>
<i>(28-INF-S-DOMP) Programming methodology</i>	<i>wyk 45 / cw 30 / prac 15 / rep 30</i>	<i>[4/3/5/]</i>	<i>9</i>
<i>Winter semester 2015/16</i>			
<i>(28-INF-S-DK11RKJP) Advanced Programming in Python</i>	<i>wyk 30 / prac 30</i>	<i>[/3]</i>	<i>5</i>
<i>(28-MT-S-wWTopAl) Introduction to Algebraic Topology</i>	<i>wyk 30 / cw 30</i>	<i>[2/5]</i>	<i>-6¹</i>
<i>(28-INF-S-DOANM) Numerical Analysis</i>	<i>wyk 60 / cw 30 / prac 15 / rep 30</i>	<i>[4/3/4,5/]</i>	<i>12</i>
<i>(28-INF-S-DN15PsyPo) Positive Psychology</i>	<i>wyk 30</i>	<i>[5]</i>	<i>3</i>
<i>(28-INF-S-DP7RPI) Probabilistics in Computer Science</i>	<i>wyk 30 / cw 30</i>	<i>[3,5/4,5]</i>	<i>6</i>
<i>(28-INF-S-DS6MIA) Seminar: Efficient Implementation of Algorithms</i>	<i>sem 30 / rep</i>	<i>[4,5/]</i>	<i>3</i>
<i>Summer semester 2015/16</i>			
<i>(28-INF-S-DP6SK) Computer Networks</i>	<i>wyk 30 / prac 30</i>	<i>[5/4]</i>	<i>6</i>
<i>(28-INF-S-DP14ASKSO) Computer Systems</i>	<i>wyk 30 / cw+prac 30</i>	<i>[5/5]</i>	<i>6</i>
<i>(28-MT-S-WRR1-B) Differential equations 1 B</i>	<i>wyk 45 / cw 30</i>	<i>[3/3,5]</i>	<i>7</i>
<i>(60-S-JA-B2-II-60h) English course B2-II</i>	<i>egz 60</i>	<i>[5]</i>	<i>12</i>
<i>(28-MT-S-WTop) Topology</i>	<i>wyk 30 / cw 30</i>	<i>[2 2/3,5]</i>	<i>-6¹</i>
<i>Winter semester 2016/17</i>			
<i>(28-INF-S-DZ13AFTSD) Functional algorithms and persistent data structures</i>	<i>wyk 30 / cw 30</i>	<i>[4,5/4]</i>	<i>6</i>

Courses by didactic cycles	Type/No. of hrs	Grade	ECTS
<i>Winter semester 2016/17</i>			
(28-INF-S-DP6PF) Functional Programming	wyk 30 / prac 30	[4,5/3]	6
(28-MT-S-wWDSymMMC) Introduction to simulation and Monte Carlo methods	wyk 30 / cw 15 / lab 15	[4,5/3/5]	6
(28-MT-S-wMikroek1) Microeconomics 1	wyk 30 / cw 30	[5/5]	6
(28-INF-S-DKWEPP0) Selected Areas of Practical Software Development	wyk 30 / prac 30	[/5]	5
(28-INF-S-DSISO) Seminar on implementation of operating systems	sem 30	[3,5]	3
(28-INF-S-DSCDNEI) Seminar: Content Delivery Networks and the Evolution of the Internet	sem 30	[5]	3
(28-INF-S-DS6MIA) Seminar: Efficient Implementation of Algorithms	sem 30	[4]	3
(28-MT-S-wStatyst) Statistics A	wyk 30 / cw 30	[4/4,5]	6
(28-MT-S-wObISymbol) Symbolic calculation	wyk 30 / cw 30	[5/5]	6
<i>Summer semester 2016/17</i>			
(28-MT-S-wStatZas) Applications of statistics	wyk 30 / lab 30	[2/2]	6 ¹
(28-INF-S-DZ6KRP) Cryptography	wyk 30 / cw 30	[5/5]	6
(28-INF-S-DOJFZO) Formal Languages and Computational Complexity	wyk 60 / cw 30 / rep 30	[4,5/4,5/]	9
(28-MT-S-mPrzetAnO) Image analysis and processing	wyk 30 / lab 30	[4,5/4,5]	6
(28-MT-S-WWDZAnFalk) Introduction to wave analysis applications	wyk 30 / lab 30	[5/5]	6
(28-INF-S-DZ7SNIDL) Neural Networks and Deep Learning	wyk 30 / prac 30	[5/5]	6
(28-INF-S-DPSOMA) Project: Mimiker Operating System	prac 30	[3]	4
(28-INF-S-DZ9SM) Speech synthesis	wyk 30 / prac 30	[5/4]	6
ECTS in total:			240

Course code description

<i>cw</i>	<i>class</i>
<i>cw+prac</i>	<i>class + lab</i>
<i>egz</i>	<i>examination</i>
<i>lab</i>	<i>lab</i>
<i>prac</i>	<i>lab</i>
<i>rep</i>	<i>lecture revisited</i>
<i>sem</i>	<i>seminar</i>
<i>wyk</i>	<i>lecture</i>

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.

¹ No credit on the course or credit not yet approved

University grading scale related to ECTS grading system:

<i>ECTS grade</i>	<i>Local grade</i>	<i>Local definition</i>
<i>nzal</i>		<i>fail</i>
<i>2</i>	<i>2</i>	<i>2-fail</i>
<i>zal</i>		<i>pass</i>
<i>3</i>	<i>3</i>	<i>3 - satisfactory</i>
<i>3,5</i>	<i>3,5</i>	<i>3,5 - plus satisfactory</i>
<i>4</i>	<i>4</i>	<i>4 - good</i>
<i>4,5</i>	<i>4,5</i>	<i>4,5 - plus good</i>
<i>5</i>	<i>5</i>	<i>5 - very good</i>

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