

# 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: *Master's degree, second cycle programme, Computer Science*  
 Date of the beginning of studies: *19.02.2018*  
 Mode of study: *full-time*; Level of qualification: *second cycle programme*  
 Field of study: *Computer Science*

### INFORMATION ON THE RESULTS GAINED

Courses by didactic cycles	Type/No. of hrs	Grade	ECTS
<i>Summer semester 2017/18</i>			
<i>(28-INF-S-DZ9ATG) Algorithmic Game Theory</i>	<i>wyk 30 / cw 30</i>	<i>[4/5]</i>	<i>6</i>
<i>(28-INF-S-DOASDM) Algorithms and Data Structures</i>	<i>wyk 15 / cw 15 / prac 15</i>	<i>[5/5/5]</i>	<i>4</i>
<i>(28-INF-S-DI2AGP) Algorithms for Planar Graphs</i>	<i>wyk 30 / cw 30</i>	<i>[4/4]</i>	<i>6</i>
<i>(28-INF-S-DI2VAQ1) Automated verification</i>	<i>wyk 15 / cw 15</i>	<i>[4,5/5]</i>	<i>3</i>
<i>(28-INF-S-DZ6KRP) Cryptography</i>	<i>wyk 30 / cw 30</i>	<i>[5/5]</i>	<i>6</i>
<i>(28-INF-S-DI2DVQ2) Deductive verification</i>	<i>wyk 15 / cw+prac 15</i>	<i>[5/4,5]</i>	<i>3</i>
<i>(28-INF-S-DOMDM) Discrete Mathematics</i>	<i>wyk 15 / cw 15</i>	<i>[4,5/3]</i>	<i>3</i>
<i>(28-INF-S-DOJFZO) Formal Languages and Computational Complexity</i>	<i>wyk 60 / cw 30 / rep 30</i>	<i>[4,5/4,5]</i>	<i>9</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>
<i>(28-INF-S-DI2GALFV) Games, Automata, Logics, and Formal Verification</i>	<i>wyk 30 / cw 30</i>	<i>[4,5/4]</i>	<i>6</i>
<i>(00-BHP) Initial training in the field of health and safety and fire protection</i>	<i>kint</i>	<i>[zal]</i>	
<i>(28-INF-S-DZ7SNIDL) Neural Networks and Deep Learning</i>	<i>wyk 30 / cw 30</i>	<i>[5/5]</i>	<i>6</i>
<i>(28-INF-S-DOANM) Numerical Analysis</i>	<i>wyk 15 / cw 15 / prac 15</i>	<i>[4/3/4,5]</i>	<i>4</i>
<b>ECTS in total:</b>			<b>62</b>

#### Course code description

*cw* class  
*cw+prac* class + lab  
*kint* e-learning course  
*prac* lab  
*rep* lecture revisited  
*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:

<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>

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