

## SCHEDULE OF STUDENT SUMMER SCHOOL

*„Zaawansowane narzędzia IT oraz sposoby komunikacji w pracy (nie tylko) naukowej”*

*“Advanced IT tools and communication methods in (not only) scientific work”*

Lessons	Class	Lecturer	Location	Number of teaching hours
<b><i>Day 1 - June 27th, 2022</i></b>				
9:00-9:45	Inauguration of the Summer School	Katarzyna Kulczycka-Mierzejewska, PhD	auditorium, ICM Data Center, 32 Kupiecka Street	1
10:00-11:30	General Introduction to Python programming	Janusz Cukras, PhD / Dominik Mierzejewski, MSc, Eng	auditorium, ICM Data Center, 32 Kupiecka Street	2
11:45-13:15	General Introduction to Python programming	Janusz Cukras, PhD / Dominik Mierzejewski, MSc, Eng	auditorium, ICM Data Center, 32 Kupiecka Street	2
14:00-16:15	General Introduction to Communication	Agnieszka Dąbrowska, PhD	auditorium, ICM Data Center, 32 Kupiecka Street	3
<b><i>Day 2 - June 28th, 2022</i></b>				
9:00-10:30	General Introduction to Python programming	Janusz Cukras, PhD / Dominik Mierzejewski, MSc, Eng	auditorium, ICM Data Center, 32 Kupiecka Street	2
10:45-12:15	General Introduction to Python programming	dr Janusz Cukras, PhD / Dominik Mierzejewski, MSc, Eng	auditorium, ICM Data Center, 32 Kupiecka Street	2
12:30-14:00	Data processing in Python	dr Janusz Cukras, PhD / Dominik Mierzejewski, MSc, Eng	auditorium, ICM Data Center, 32 Kupiecka Street	2
14:45-16:15	Text typesetting in LaTeX with elements of editorial and linguistic correctness	dr Janusz Cukras, PhD / Dominik Mierzejewski, MSc, Eng	auditorium, ICM Data Center, 32 Kupiecka Street	2
<b><i>Day 3 - June 29th, 2022</i></b>				
9:00-11:15	Data processing in Python	Janusz Cukras, PhD / Dominik Mierzejewski,	auditorium, ICM Data Center, 32	3

		MSc, Eng	Kupiecka Street	
11:30-13:00	Data processing in Python	Janusz Cukras, PhD / Dominik Mierzejewski, MSc, Eng	auditorium, ICM Data Center, 32 Kupiecka Street	2
13:45-16:00	I see, I see, ... I SEE: three steps towards conscious perception	Agnieszka Dąbrowska, PhD	auditorium, ICM Data Center, 32 Kupiecka Street	3
<b>Day 4 - June 30, 2022</b>				
9:00-9:45	Data processing in Python	Janusz Cukras, PhD / Dominik Mierzejewski, MSc, Eng	auditorium, ICM Data Center, 32 Kupiecka Street	1
10:00-11:30	Arrays and matrices in Python	Janusz Cukras, PhD / Dominik Mierzejewski, MSc, Eng	auditorium, ICM Data Center, 32 Kupiecka Street	2
11:45-13:15	Data visualization in Python	Janusz Cukras, PhD / Dominik Mierzejewski, MSc, Eng	auditorium, ICM Data Center, 32 Kupiecka Street	2
14:00-16:15	Text typesetting in LaTeX with elements of editorial and linguistic correctness	Janusz Cukras, PhD / Dominik Mierzejewski, MSc, Eng	auditorium, ICM Data Center, 32 Kupiecka Street	3
<b>Day 5 - July 1st, 2022</b>				
9:00-10:30	Symbolic Calculations in Python	Janusz Cukras, PhD / Dominik Mierzejewski, MSc, Eng	auditorium, ICM Data Center, 32 Kupiecka Street	2
10:45-12:15	Python mini-project	Janusz Cukras, PhD / Dominik Mierzejewski, MSc, Eng	auditorium, ICM Data Center, 32 Kupiecka Street	2
12:30-14:00	Photography: from basic introduction to lifelong passion	Agnieszka Dąbrowska, PhD	auditorium, ICM Data Center, 32 Kupiecka Street	2
14:45-16:15	Photography: from basic introduction to lifelong passion	Agnieszka Dąbrowska, PhD	auditorium, ICM Data Center, 32 Kupiecka Street	2
<b>Day 6 - July 2nd, 2022</b>				
9:00-10:30	Data analysis in R language - variable types	Krzysztof Piwoński, MSc / Krzysztof Rutkowski, MSc	auditorium, ICM Data Center, 32 Kupiecka Street	2

10:45-12:15	Data analysis in R language - variable types	Krzysztof Piwoński, MSc / Krzysztof Rutkowski, MSc	auditorium, ICM Data Center, 32 Kupiecka Street	2
12:30-14:00	Data analysis in R language - variable types	Krzysztof Piwoński, MSc / Krzysztof Rutkowski, MSc	auditorium, ICM Data Center, 32 Kupiecka Street	2
14:45-16:15	Visual language: basic technical skills and composition tricks	Agnieszka Dąbrowska, PhD	auditorium, ICM Data Center, 32 Kupiecka Street	2
<b>Day 7 - July 3rd, 2022</b>				
9:00-10:30	Data analysis in R language - variable types	Krzysztof Piwoński, MSc / Krzysztof Rutkowski, MSc	auditorium, ICM Data Center, 32 Kupiecka Street	2
10:45-13:00	Data analysis in R language - operations on data sets	Krzysztof Piwoński, MSc / Krzysztof Rutkowski, MSc	auditorium, ICM Data Center, 32 Kupiecka Street	3
13:45-16:00	Photography and Science	Agnieszka Dąbrowska, PhD	auditorium, ICM Data Center, 32 Kupiecka Street	3
<b>Day 8 - July 4th, 2022</b>				
9:00-11:15	Data analysis in R language - operations on data sets	Krzysztof Piwoński, MSc / Krzysztof Rutkowski, MSc	auditorium, ICM Data Center, 32 Kupiecka Street	3
11:30-13:00	Data analysis in R language - operations on data sets	Krzysztof Piwoński, MSc / Krzysztof Rutkowski, MSc	auditorium, ICM Data Center, 32 Kupiecka Street	2
13:45-16:15	My poster, my way – how visually communicate science	Agnieszka Dąbrowska, PhD	auditorium, ICM Data Center, 32 Kupiecka Street	3
<b>Day 9 - July 5th, 2022</b>				
9:00-10:30	Data analysis in R language - operations on data sets	Krzysztof Piwoński, MSc / Krzysztof Rutkowski, MSc	auditorium, ICM Data Center, 32 Kupiecka Street	2
10:45-11:30	Data analysis in R language - operations on data sets	Krzysztof Piwoński, MSc / Krzysztof Rutkowski, MSc	auditorium, ICM Data Center, 32 Kupiecka Street	1
11:45-13:15	Data analysis in R - visualization	Krzysztof Piwoński, MSc / Krzysztof Rutkowski, MSc	auditorium, ICM Data Center, 32 Kupiecka Street	2
14:00-16:15	Data analysis in R - visualization	Krzysztof Piwoński, MSc / Krzysztof Rutkowski, MSc	auditorium, ICM Data Center, 32 Kupiecka Street	3

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<i>Day 10 - July 6th, 2022</i>				
9:00-10:30	Data analysis in R language - useful basics of statistical analysis	Krzysztof Piwoński, MSc / Krzysztof Rutkowski, MSc	auditorium, ICM Data Center, 32 Kupiecka Street	2
10:45-12:15	Data analysis in R language - useful basics of statistical analysis	Krzysztof Piwoński, MSc / Krzysztof Rutkowski, MSc	auditorium, ICM Data Center, 32 Kupiecka Street	2
12:30-14:00	Data analysis in R language - useful basics of statistical analysis	Krzysztof Piwoński, MSc / Krzysztof Rutkowski, MSc	auditorium, ICM Data Center, 32 Kupiecka Street	2
15:00-16:30	Sightseeing ICM Data Center	Katarzyna Kulczycka-Mierzejewska, PhD	auditorium, ICM Data Center, 32 Kupiecka Street	2