



Erasmus+

Virtual and Intensive Course  
Developing Practical Skills  
of Future Engineers

**VIPSKILLS**  
Erasmus+ 2016-1-PL01-KA203-026152



## PRELIMINARY AGENDA OF VIPSKILLS SUMMER SCHOOL 2018 PART 1 – face-to-face classes in Poland

Sunday 1 <sup>st</sup> of July 2018		
Time	Agenda item description	Location
About 15:30	Welcome of Spanish students at Students Residence	
20:30	Welcome of Lithuanian students at the bus station	
21:00	Dinner	TBC
Monday 2 <sup>nd</sup> of July 2018		
6:00 – 8:30	Breakfast	
9:00–9:30	Opening – invitation by vice Rector and vice Dean	RW
9:30-10:15	Lecture 1 - Modern structural materials for civil engineering	RW
10:15-11:00	Lecture 2 – Recycled aggregates from construction and demolition waste	RW
11:00-11:15	Coffee Break	
11:15-12:00	Lecture 3 - Architecture – in past and nowadays	RW
12:00-13:00	Lecture 4 - National structures of buildings	RW
13:00-14:00	Lunch	RW
14.00-16:00	Workshop 1 – Materials and constructions (Budimex company)	RW
17:00-20:00	Walking tour in Bialystok	
20:00	Dinner	TBC
Tuesday 3 <sup>rd</sup> of July 2018		
6:00 – 8:30	Breakfast	
9:00–12:00	Project 1 – Architecture – team houses	I/16
12:00-13:00	Lunch	RW
13:00-15:00	Workshop 2 and Project 2 – U values	I/16
15:00-15:30	Coffee Break	RW
15:30-18:00	Project 3 – U values	I/16
18:00-18:15	Break	
18:15-19:00	Project 4 – results of the day	I/16
	Free time	
21	Dinner	
Wednesday 4 <sup>th</sup> of July 2018		
6:00 – 6:30	Breakfast	TBC
6:45	Leaving for a study visit	TBC
About 14	Lunch	
About 16	Arriving to Center for Sustainable Development and Energy Efficiency	MIEKINA
17:00-18:00	Lecture 5 – CO2 uptake	
18:00-19:00	Lecture 6 – Renewable energy.	
19:00-20:30	Lecture 7/Workshop 3 – Solar energy	
About 21	Dinner / barbecue	



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Thursday 5 <sup>th</sup> of July 2018		
7:00 – 8:30	Breakfast	
9:00-10:00	Study visit and workshop in Center for Sustainable Development and Energy Efficiency AGH.	MIEKINIA
10:00-11:30	Workshop 4 - OZE	
11:30-12:00	Coffee break	
12:00-13:30	Laboratory 1 -OZE	
13:30	Transfer	
14:00-15:00	Lunch	OJCÓW
15:00-20:00	Trail in Ojcowski National Park (appropriate footwear and cloths required).	
About 21	Arriving to hotel and dinner	ORZESZE
Friday 6 <sup>th</sup> of July 2018		
7:00 – 8:30	Breakfast	
9:00-9:30	Transfer to Rybnik	RYBNIK PURMO
9:30-10:00	Workshop 5- Radiators	
10:00-12:00	Study visit in radiators company (PURMO company). Visiting factory	
12-12:30	Questions, discussion	
12:30-13:30	Lunch	
14:00	Transfer to Tychy	
15:00-17:00	Education ECO-visit– Protection of air pollutants- Tychy Brewery	TYCHY
17:15	Transfer to a hotel	
18:30	Accommodation in the hotel, free time	CRACOW
20:00	Walking tour in Old Town and dinner	
Saturday 7 <sup>th</sup> of July 2018		
7:00 – 9:00	Breakfast	
10:00-13:00	Visiting Cracow – guided tour	CRACOW
13:00-14:00	Lunch	CRACOW
14:00-20:00	Free time	CRACOW
20:00	Dinner	CRACOW
Sunday 8 <sup>th</sup> of July 2018		
7:00 – 9:00	Breakfast	
10:00	Transfer to a salt mine	
11:00-14	Visit in the salt mine, lunch (appropriate footwear and cloths required)	
	Coming back to Bialystok	
Monday 9 <sup>th</sup> of July 2018		
6:00 – 8:30	Breakfast	
9:00 – 10:30	Workshop 6– Introduction to DHW systems	I/16
10:30-10:45	Break	
10:45-12.15	Workshop 7– Solar collectors	I/16
12.15-13:30	Lunch	
13:30-15:00	Workshop 8- Heat pumps	I/16 or BIAWAR
15:30-19:00	Visit in Choroszcz and Tykocin	
19:00	Dinner	



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Tuesday 10 <sup>th</sup> of July 2018		
6:00 – 8:30	Breakfast	
9:00 – 10:30	Project 5 – Heat losses	I/16
10:30-10:45	Break	
10:45-12.15	Project 6 – Heat losses	I/16
12.15-13:30	Lunch	
13:30-15:00	Project 7 – Heat losses/HVAC system	I/16
15.00-15:15	Coffee break	
15:15-16:45	Laboratories: A – heat pumps, B – solar systems, C – wind turbines	I/12-06
16:45-17:00	Break	
17:00-18:30	Laboratories: A – heat pumps, B – solar systems, C – wind turbines	I/12-06
	Additional activities and dinner (TBC)	
Wednesday 11 <sup>th</sup> of July 2018		
6:00 – 7:30	Breakfast	
8:00	Transfer in Podlaskie Province (TBC depending on the weather)	
10:00-15:00	Study trip with BUDIMEX company (constructions, engineering structures within the express road, Municipal Waste Treatment Plant etc. )	
15:00-16:00	Lunch	
16:00-18:00	Sightseeing (TBC)	
About 21	Coming back and dinner	
Thursday 12 <sup>th</sup> of July 2018		
6:00 – 8:30	Breakfast	
9:00-10:30	Workshop 9- source for electricity	I/16
10:30-10:45	Break	
10:45-12.15	Project 8- source for electricity	I/16
12.15-13:30	Lunch	
13:30-15:00	Workshop 10- GIS	130
15:00-15:30	Coffee Break	
15.30-17:00	Project 9- GIS	130
	Additional activities and dinner (TBC)	
Friday 13 <sup>th</sup> of July 2018		
6:00 – 8:30	Breakfast	
9:00 - 12:00	Project 10- source for heating and hot water	I/16
12:00-12:30	Break	
12:30-13:30	Presentation of results.	I/16
13:30-14:30	Introduction to e-learning	
14:30-15:00	Final test.	
14:00- 16:00	Lunch	I/16
16:00-18:00	Conclusions. Certificates.	I/16
	The End of summer school part one. Free time	