

AE1B13SVS - Syllabus - summer 2014

Week	Exercises		Lectures	
	MO	Theme	TU	Theme
1.	17.2.2014	Introductory lesson, OHS	18.2.2014	Solar energy and basic forms of its exploitation, Influence of geographic position and climate on spectra and irradiance
2.	24.2.2014	Spectrums measurement and irradiance distribution	25.2.2014	Photovoltaic effect, photovoltaic cells, basic structure and characteristics
3.	3.3.2014		4.3.2014	Construction and technology of photovoltaic cells
4.	10.3.2014	Influence of irradiance and temperature on PV cells characteristics	11.3.2014	Construction and technology of photovoltaic modules
5.	17.3.2014		18.3.2014	Autonomous PV systems
6.	24.3.2014	Basic parameters of PV module, proposal of grid-off system, influence of shading.	25.3.2014	Grid-on PV systems
7.	31.3.2014		1.4.2014	Optimisation of PV system operating conditions
8.	7.4.2014	PV on-grid systems and autonomous PV systems, revisions of PV systems	8.4.2014	Basic economic and ecological aspects
9.	14.4.2014		15.4.2014	Concentrator PV systems
10.	21.4.2014	--- (Easter Monday)	22.4.2014	Solar heating and cooling
11.	28.4.2014	Solar chimney and concentrator solar systems	29.4.2014	---
12.	5.5.2014		6.5.2014	Solar power stations
13.	12.5.2014	Course-credit test	13.5.2014	Solar energy for high temperature technology
14.	19.5.2014	Course-credit	20.5.2014	Present trends in the field of solar systems

Explanatory:	Void
	Shift
<p>Holidays: 21. 4. 2014 (MO), 1. 5. (TH) a 8. 5. (TH)</p> <p>Dean's day: 18.4 (FR)</p> <p>Rector's day: 14. 5. 2014 (WE)</p> <p>Shift of lessons: day 29.4. 2014 (TU) will be lessons substitute thursday 1. 5. 2014</p>	