

Renewable Energy

Personnel:

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Language:

English

References:

- David McKay, Sustainable Energy – without the hot air, UIT Cambridge (available on web)
- Kreith and Goswami, editors, Handbook of energy efficiency and renewable energy, Taylor and Francis Group, 2007.

Time and location:

Lecture Tuesday, 10:15-12:00, CM5

Exercise Tuesday, 12:15-13:00, CM1105

Exam:

Written exam in exam period; closed books, only calculator and 10 A4 pages (single sided, or 5 pages double sided) personal summary can be used

Course:

- Material online: moodle.epfl.ch
- Syllabus:

	Lecture Tuesday (10:15-12:00)	Lecturer	Exercise Tuesday (12:15-13:00)
Week 1 (17.2)	Introduction	SH	Exercise 1
Week 2 (24.2)	Power cycles, ORC, co-generation	SH	Exercise 2
Week 3 (3.3)	Electrochemistry, batteries	SP	Exercise 3
Week 4 (10.3)	Storage	SP/SH	Exercise 4
Week 5 (17.3)	Hydrogen	SH	Exercise 5
Week 6 (24.3)	Solar thermal	SH	Exercise 6
Week 7 (31.3)	Solar electricity	SH	Exercise 7
Week 8 (14.4)	Solar fuels	SH	Exercise 8
Week 9 (21.4)	Biomass	JVh	Exercise 9
Week 10 (28.4)	Biomass	JVh	Exercise 10
Week 11 (5.5)	Wind	JVh	Exercise 11
Week 12 (12.5)	Wind	JVh	Exercise 12
Week 13 (19.5)	Geothermal	JVh	Exercise 13
Week 14 (26.5)	Ocean, tidal and wave	JVh	Exercise 14

