



# Faculté des sciences appliquées

## FSA

MECA2991 **PLANNING OF ENERGY SYSTEMS**

[30h] 3 credits

This course is taught in the 1st semester

**Teacher(s):** Yves Smeers  
**Language:** french  
**Level:** 2nd cycle course

### Aims

Concentrate on a particular domain of the energy sector of special current relevance.

### Content and teaching methods

The course is currently devoted to the economics of restructured electricity system. The material follows Sotft's book "Power System Economics: Designing Markets for Electricity" Wiley 2002. The book allows one to apply many important and basic concepts of microeconomics to a particular field of the energy world. It also introduces the various questions faced by the electricity industry in its restructuring process. The course covers the material on power market fundamentals, reliability price spikes and investment, market architecture and market power.

### Other credits in programs

<b>ELME22/E</b>	Deuxième année du programme conduisant au grade d'ingénieur civil électro-mécanicien (énergie)	(3 credits)
<b>MECA22</b>	Deuxième année du programme conduisant au grade d'ingénieur civil mécanicien	(3 credits)
<b>MECA23</b>	Troisième année du programme conduisant au grade d'ingénieur civil mécanicien	(3 credits)