Study programmes 2016-2017

Faculty of Sciences

Specialised master in sustainable energy management

Block view of the study programme

		Or	Th	Pr	Au	Cr
Block 1						
Compulsory courses						
STFE2004-1	*Personal work* - COLLÉGIALITÉ	TA	-	-	-	**15**
General Education						
ENVT0046-2	*Sustainable development*	Q1				**6**
	- *Introduction to sustainable development* - Pierre M. STASSART		18	6	-	
	- *Ecological transitions theory and management* - Corentin HECQUET, Pierre M. STASSART - [12h SEM]		24	-	[+]	
Basic courses						
ECON0944-1	*Elements of economy for environmental sciences* - Nadia DE ZOTTI	Q1	18	5	-	**2**
ECON0945-1	*Economy, energy and environment* - HenryJean GATHON, Axel GAUTIER, Michel HERMANS, Julien JACQMIN	Q1	24	5	-	**2**
SPOL2306-1	*Energy and territorial policies*	Q2				**4**
	- *Part 1 : European policies* - Maxime HABRAN, Quentin MICHEL		9	9	-	
	- *Part 2 : Regional and local policies* - JeanMarie HAUGLUSTAINE		9	9	-	
	- *Part 3 : Prospective scenario* - Pierre M. STASSART		9	9	-	
ENVT3042-1	*Energy management in buildings* - Philippe ANDRE, JeanMarie HAUGLUSTAINE	Q1	24	12	-	**3**
ENVT3057-1	*Technologies and energy*	Q2				**4**
	- *Part 1 : Renewable and non-renewable energy resources* - JeanMarie HAUGLUSTAINE		24	12	-	
	- *Part 2 : Technological innovations (materials, systems, vehicles)* - Rudi CLOOTS, Pierre DUYSINX		8	4	-	
Sectors :						
Land planning						
ARCH3257-1	*Spatial planning* - Jacques TELLER	Q2	14	24	-	**3**
Industry						
ENVT0026-1	*Industry*	Q2				**4**
	- *Part 1 : Tools for a more sustainable industry (product life cycle analysis, best available technologies, sustainable chemistry)* - Sandra BELBOOM, Angélique LÉONARD		15	10	-	
	- *Part 2 : Rational use of energy in industry* - Vincent LEMORT		15	10	-	
Building						
ENVT0019-2	*Energy balance and CO2 emissions on a building life-cycle*	Q2				**6**
	- *Part 1 : Buildings to be built* - Philippe ANDRE, JeanMarie HAUGLUSTAINE		20	20	-	
	- *Part 2 : Existing buildings* - Philippe ANDRE, JeanMarie HAUGLUSTAINE		20	20	-	
ENVT0867-1	*Environmental performance of buildings* (english language) - JeanMarie HAUGLUSTAINE	Q2	20	20	-	**3**
Transport						
GCIV0008-2	*Design techniques and development of integrated and sustainable projects in transport and mobility* (english language) - Mario COOLS - [25h Proj.]	Q1	30	15	[+]	**4**
Agriculture						
AGRO0016-1	*Agriculture*	Q1				**4**
	- *Part 1 : Energy use and production in agriculture* - Frédéric LEBEAU		11	10	-	
	- *Part 2 : Energy and biomass* - Manfred GREGER		15	10	-	