

Cycle view of the study programme

Bl Or Th Pr Au Cr

Compulsory courses (B1 : 45Cr)

Module 1: Introduction and basic concepts

Opening seminars of the water-energy-food Nexus ; Charles BIELDERS, Gilles COLINET, Bernard TYCHON

HULG0559-1	<i>Challenges of sustainable development, transition and development of the EEA Nexus dimension</i>	B1	Q1						4
	- <i>Challenges of sustainable development and transition</i> -		22,5	-	-				
	Valentin COUVREUR, Nathalie DELZENNE, Valérie SWAEN								
	- <i>Development of the EEA Nexus dimension</i> - Charles BIELDERS, Gilles COLINET, Bernard TYCHON		6	3	-				

Module 2: The 3 components of the NEXUS EEA

Water security component

ENVT3040-2	<i>Integrated and participative management of water resources</i> - Johan DEROUANE, Joost WELLENS	B1	Q1	24	16	-			4
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Energy security component

ENVT0892-1	<i>Integrated energy management, particularly in the construction industry</i> - Philippe ANDRE, Maxime HABRAN, N...	B1	Q1	28	12	-			4
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Food security component

ENVT0073-1	<i>Agricultural production systems and food security</i> - Antoine DENIS, Pierre OZER, Bernard TYCHON	B1	Q1	20	20	-			4
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Module 3: Interconnections of the 3 components of the EEA Nexus and case studies

ENVT0074-1	<i>Nexus Water-Energy-Food seminars: case studies of interconnections</i> - Charles BIELDERS, Gilles COLINET, Antoine DENIS, Bernard TYCHON - [38h SEM, 10h Vis.]	B1	TA	-	-		[+]		4
HULG0560-1	<i>Natural resources: appropriation and resistance</i> - An ANSOMS	B1	Q2	30	-	-			3
HULG0561-1	<i>Water-Food Nexus: modelling and analysis tools</i> - Mathieu JAVAUX, Marnik VANCLOOSTER - Suppl : Alice ALONSO	B1	Q2	22,5	22,5	-			4

Module 4: Technical tools

ENVT2027-4	<i>Application of teledetection and geographical information systems for environmental management</i> - Antoine DENIS, Bernard TYCHON	B1	Q1	12	24	-			3
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Module 5: Personal work in the form of an internship

STFE0035-1	<i>Personal work in the form of an internship</i> - COLLÉGIALITÉ, Moussa EL JARROUDI - [1,5mois Internship]	B1	Q2	-	-		[+]		15
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Optional courses (B1 : 15Cr)

Note: for an annual programme of more than 60 credits, contact the Beadle's office

Module 2: The 3 components of the NEXUS EEA

[...] In agreement with the Jury, choose courses for a total of 7 to 8 credits, including a maximum of 1 course among the courses ENVT3035-2 and ENVT0068-2

Water security component

HULG0562-1	<i>Irrigation and drainage</i> - Mathieu JAVAUX	B1	Q2	22,5	22,5	-			4
ENVT3035-2	<i>Wastewater treatment, production of drinking water and recovery of wastewater for irrigation</i> - Hugues JUPSIN - [10h FT]	B1	Q1	24	6		[+]		4

Energy security component

ENVT0905-1	<i>Energy communities</i> - Philippe ANDRE, Damien ERNST	B1	Q1	20	20	-			4
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ENVT0068-2 *Exploitation of renewable energy* - Philippe ANDRE, Vincent HANUS, N..., N... - [0,5d FT] B1 Q1 37 3 [+] 4

Food security component

HULG0487-1 *Soil management and development in warm region* - Charles BIELDERS, N... B1 Q2 22 8 - 3

GEST3019-2 *Food policies and strategies* (english language) - N... - Suppl : Arno FAIVRE - [3h FT] B1 Q1 9 15 [+] 3

Module 3: Interconnections of the 3 components of the EEA Nexus and case studies

[...] In agreement with the Jury, choose courses for a total of 5 to 6 credits from:

GEOG0073-1 *Town and country planning, food and energy security* - Serge SCHMITZ B1 Q2 24 - - 3

HULG0490-1 *Evaluation of the environmental impact: diagnosis and indicators* - Charles BIELDERS, Pierre DEFOURNY B1 Q2 22,5 - - 3

ENVT0075-1 *Waste: water, energy and food resources* - N... - [3h Vis.] B1 Q2 21 - [+] 3

ECON0945-1 *Economy, energy and environment* - Axel GAUTIER, Jérôme SCHOENMAECKERS B1 Q1 16 - - 2

Module 4: Technical tools

Choose, in accordance with the Jury, 1 course among : (B1 : 2Cr)

HULG0563-1 *Evaluation of the environmental impact: project and introduction to managing databases, part F: Managing databases* - Antoine DENIS, Guillaume LOBET B1 Q2 12 12 - 2

ENVT0736-6 *Development projects management and communication, Théorie et travaux pratiques* - Cécile CAVALADE, Bakary DJABY, Bernard TYCHON B1 Q1 12 12 - 2

GEST7085-1 *Leadership best practices* (english language) - Michael GHILISSEN B1 Q2 - 16 - 2