

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> - Valentin COUVREUR, Nathalie DELZENNE, Valérie SWAEN			22,5	-	-			
	- <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
------------	--	----	----	----	----	---	--	--	---

Energy security component

ENVT0892-1	<i>Integrated energy management, particularly in the construction industry</i> - Deepak AMARIPADATH, N...	B1	Q1	28	12	-			4
------------	---	----	----	----	----	---	--	--	---

Food security component

ENVT0073-1	<i>Agricultural production systems and food security</i> - Antoine DENIS, Moussa EL JARROUDI, Pierre OZER, Bernard TYCHON	B1	Q1	20	20	-			4
------------	--	----	----	----	----	---	--	--	---

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
------------	---	----	----	----	----	---	--	--	---

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
------------	--	----	----	---	---	--	-----	--	----

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> - Deepak AMARIPADATH, Damien ERNST	B1	Q1	20	20	-			4
------------	--	----	----	----	----	---	--	--	---

ENVT0068-2	<i>Exploitation of renewable energy</i> - Deepak AMARIPADATH, Frédéric LEBEAU, N... - [0,5d FT]	B1	Q1	37	3	[+]	4
------------	---	----	----	----	---	-----	----------

Food security component

HULG0487-1	<i>Soil management and development in warm region</i> - Charles BIELDERS	B1	Q2	22	8	-	3
------------	--	----	----	----	---	---	----------

GEST3019-2	<i>Food policies and strategies</i> (english language) - [3h FT]	B1	Q1	9	15	[+]	3
------------	--	----	----	---	----	-----	----------

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

[...] En accord avec le Jury, choisir deux cours pour un total de 6 crédits parmi :

GEOG0073-1	<i>Town and country planning, food and energy security</i> - Serge SCHMITZ	B1	Q2	24	-	-	3
------------	--	----	----	----	---	---	----------

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

ENVT0075-1	<i>Waste: water, energy and food resources</i> - Gilles COLINET, Renaud DE RIJDT - [3h Vis.]	B1	Q2	21	-	[+]	3
------------	--	----	----	----	---	-----	----------

ECON0945-1	<i>Economie, énergie et environnement</i> - N...	B1	Q1	25	5	-	3
------------	--	----	----	----	---	---	----------

Module 4: Technical tools

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

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

ENVT0736-6	<i>Development projects management and communication, Théorie et travaux pratiques</i> - Bakary DJABY, Bernard TYCHON	B1	Q1	12	12	-	2
------------	---	----	----	----	----	---	----------

GEST7085-1	<i>Leadership best practices</i> (english language) - Michael GHILISSEN	B1	Q2	-	16	-	2
------------	---	----	----	---	----	---	----------