

Faculty of Bioscience Engineering

Exchange Programme in Bioscience Engineering: Land and Forest management (master's level)

Language of instruction: English

Programme version 6

1 Elective Courses

Nr	Course	CRDT	Ref	MT1	Session	Study
1	I002454 Geostatistics Ellen Van De Vijver -- Department of Environment	5			A:2	150
2	I000631 Groundwater Chemistry	5				145
3	I002659 Hydrological Modelling [nl] Hans Lievens -- Department of Environment	4			A:1	120
4	I002699 Land Evaluation Ann Verdoodt -- Department of Environment	5			A:2	150
5	I002773 Soil Chemistry Filip Tack -- Department of Green Chemistry and Technology	5			A:1	150
6	I002712 Soil Degradation Ann Verdoodt -- Department of Environment	5			A:2	150
7	I002664 Soil Erosion Control: Principles and Practice Ann Verdoodt -- Department of Environment	4			A:1	120
8	I002657 Soil Physics Wim Cornelis -- Department of Environment	5			A:1	150
9	I002708 Soil Water Management Wim Cornelis -- Department of Environment	5			A:2	150
10	I002718 Economics and Management of Natural Resources Stijn Speelman -- Department of Agricultural Economics	4			A:2	120
11	I002693 Forest and Nature Management Planning	5				150
12	I002715 Irrigation and Drainage	5				150
13	I002774 Land Information Systems Fieke Vancoillie -- Department of Environment	5			A:1	150
14	I002607 Resource Recovery Technology Ramon Ganigúe -- Department of Biotechnology	6			A:2	180
15	I002646 Nutrient Management Stefaan De Neve -- Department of Environment	5			A:2	150
16	I002731 Tropical Crop Production Eduardo de la Pena -- Department of Plants and Crops	4			A:2	120
17	I002706 Wood Technology: Wood Processing and Forest Products Joris Van Acker -- Department of Environment	5			A:2	150
18	I002696 Vegetation Modelling Hans Verbeeck -- Department of Environment	4			A:2	120
19	I002705 Tropical Forestry Joris Van Acker -- Department of Environment	5			A:1	150
20	I001967 Intellectual Property and Valorization Benedikt Sas -- Department of Food Technology, Safety and Health	3			A:2	90
21	I002535 Applied Marine Ecology Colin Janssen -- Department of Animal Sciences and Aquatic Ecology	3			A:1	90

22	I002504	Applied Freshwater Ecology Peter Goethals -- Department of Animal Sciences and Aquatic Ecology	3	A:1	90
23	I002719	Modelling and Simulation with Partial Differential Equations in Practice	5		150
24	I002589	Environmental Technology: Soil and Sediment Filip Tack -- Department of Green Chemistry and Technology	3	A:2	90
25	I002586	Multidisciplinary Analysis of Climate Change Pascal Boeckx -- Department of Green Chemistry and Technology	3	A:2	90
26	I002604	Oceans and Human Health Jana Asselman -- Department of Animal Sciences and Aquatic Ecology	3	A:1	90
27	I002588	Environmental Chemistry and Analysis: Water, Soil and Sediment Filip Tack -- Department of Green Chemistry and Technology	5	A:1	150
28	I002713	Applied Soil Biology Stefaan De Neve -- Department of Environment	4	A:1	120
29	I002658	Environmental Soil Sensing Philippe De Smedt -- Department of Environment	4	A:2	120
30	I002698	Water Quality Management Peter Goethals -- Department of Animal Sciences and Aquatic Ecology	4	A:2	120
31	I002663	Water Governance Stijn Speelman -- Department of Agricultural Economics	4	A:2	120
32	I002709	Aquatic Ecotechniques Peter Goethals -- Department of Animal Sciences and Aquatic Ecology	4	A:1	120
33	I002508	Environmental Technology: Water Jo De Vrieze -- Department of Biotechnology	6	B:2, A:2	180
34	I002711	Soil Genesis	5		150
35	I002766	Introduction to the Circular Economy, Economics and Management of Natural Resources Stijn Speelman -- Department of Agricultural Economics	4	A:1	120
36	I002501	Soil Prospection	4		120
37	I002775	Pedology	5		150
38	I002932	Machine Learning for Life Sciences Willem Waegeman -- Department of Data Analysis and Mathematical Modelling	5	A:1	150

Teaching

When a course is not taught (solely) in the programme's language of instruction, the effectively used languages are indicated in square brackets following the course name, using the following ISO codes:

bg: Bulgarian	de: German	es: Spanish	ja: Japanese	pl: Polish	sh: Croatian/Serbian	zh: Chinese
cs: Czech	el: Greek	fr: French	nl: Dutch	pt: Portuguese	sl: Slovene	
da: Danish	en: English	it: Italian	no: Norwegian	ru: Russian	sv: Swedish	

Semester

Semesters are indicated by their number (1 or 2); semester 3 represents the summer period and J indicates a course spanning semesters 1 and 2. When a capital letter precedes a semester number, the course has multiple offerings. The letter indicates the offering concerned.

When a semester is shown in brackets, the course is not offered this year in the specific offering.

The offering frequency and first year of offering are indicated by the following codes:

a: bi-annually	c: annually, from 2025-2026	f: annually, from 2026-2027	i: annually, from 2027-2028
b: tri-annually	d: bi-annually, from 2025-2026	g: bi-annually, from 2026-2027	j: bi-annually, from 2027-2028
	e: tri-annually, from 2025-2026	h: tri-annually, from 2026-2027	k: tri-annually, from 2027-2028