

IMLAWA10.1 General Courses

No.	Course name	Lecturer (dept.)	CRDT	Ref	MT1	MT2	Semester	Contact	Study
1	Meteorology and Ecoclimatology	Hans Verbeeck LA20	5		1	1	50	150	
2	Climate Change Processes [nl, en]	Diego Miralles LA20	5		1	2	50	150	
3	Soil Physics [en]	Wim Cornelis LA20	5		1	1	50	150	
4	Environmental Soil Sensing [en]	Philippe De Smedt LA20	4		1	2	40	120	
5	Hydrological Modelling	Niko Verhoest LA20	4		1	1	40	120	
6	Groundwater Flow	Niko Verhoest LA20	3		1	2	30	90	
7	Open Channel Hydraulics	Niko Verhoest LA20	4		1	1	40	120	
8	Nutrient Management [en]	Stefaan De Neve LA20	3		1	2	50	90	
9	Water Quality Management [en]	Wout Van Echelpoel LA22	4		1	2	40	120	
10	Soil and Groundwater Remediation	Ellen Van De Vijver LA20	5		2	1	50	150	
11	Water Governance [en]	Stijn Speelman LA27	4		2	(2) ^c	40	120	
12	Land Evaluation [en]	Ann Verdoodt LA20	5		1	2	50	150	
13	Soil Erosion Control: Principles and Practice [en]	Ann Verdoodt LA20	4		1	1	40	120	
14	Integrated Land, Water and Climate Policy		3		2	(J) ^c	30	90	
15	Integrated Project: Land, Water and Climate	Ann Verdoodt LA20	5		2	(1) ^c	50	150	

IMLAWA10.2 Elective Courses

Subscribe to 27 credit units from no less than 1 and no more than 6 module(s) from the following list, of which at least 1 course unit is included from the list 2.1 Engineering Skills for Climate Adaptive Management of Land and Water. Subject to approval by the faculty.

Full-time standard learning track:

Students can choose which of the elective course units are taken in the first respectively the second standard learning track year (unless otherwise specified); in combination with the general course units, students take a total of 54 to 66 credits per standard learning track year. The sum of the total number of credits taken up over the 2 standard learning track years must be 120 credits.

IMLAWA10.2.1 Engineering Skills for Climate-Smart Land and Water Management

Subscribe to at least 1 course unit from the following list.

No.	Course name	Lecturer (dept.)	CRDT	Ref	MT1	MT2	Semester	Contact	Study
1	Water Resources Engineering	Niko Verhoest LA20	5			2	50	150	
2	Soil Water Management [en]	Wim Cornelis LA20	5			2	50	150	
3	Aquatic Ecotechniques [en]	Peter Goethals LA22	4			(1) ^c	40	120	
4	Water in the City		4			(1) ^c	40	120	

IMLAWA10.2.2 In-depth Knowledge and Skills in Land, Water and Climate

Subscribe to no more than 23 credit units from the following list.

Pillars (see reference)

L = Land

W = Water

K = Climate

No.	Course name	Lecturer (dept.)	CRDT	Ref	MT1	MT2	Semester	Contact	Study
1	Soil Genesis [en]	Peter Finke LA20	5	L, K		1	50	150	
2	Soil Degradation [en]	Ann Verdoodt LA20	5	L, K		2	50	150	

3	Applied Soil Biology [en]	Stefaan De Neve LA20	4	L	(1) ^c	40	120
4	Irrigation and Drainage [en]	Wim Cornelis LA20	5	L, W	1	50	150
5	Inland Waterways and Locks [en]	Tom De Mulder TW15	6	W	2	60	180
6	Groundwater Chemistry [en]	Kristine Walraevens WE13	5	W	(1) ^d	50	145
7	Applied Marine Ecology [en]	Colin Janssen LA22	3	W	1	30	90
8	Paleoclimatology [en]	Dirk Verschuren WE11	6	K	1	52.5	150

IMLAWA10.2.3 Broadening Knowledge and Skills in Technology, Land Use and Management, and Data Analysis

Subscribe to no more than 23 credit units from the following list.

Module (see reference)

T = Technology

I = Land Use and Management

D = Data Analysis

No.	Course name	Lecturer (dept.)	CRDT	Ref	MT1	MT2	Semester	Contact	Study
1	Environmental Technology: Water [en]	Korneel Rabaey LA25	5	T		2	60	150	
2	Spatiotemporal Analysis and Modelling [en]	Nico Van de Weghe WE12	5	T, I		1	40	150	
3	Sustainable Cities	Thomas Block PS03	5	I		J	45	150	
4	Environmental Impact Assessment	Sophie Huysveld LA24	4	I		2	40	120	
5	Legal Framework for Environmental Technology	Hildegard Deweerdt LA27	6	I, T		1	60	180	
6	Economics and Management of Natural Resources [en]	Stijn Speelman LA27	4	I		2	40	120	
7	Predictive Modelling [en]	Willem Waegeman LA26	5	D		2	60	150	
8	Modelling and Simulation with Partial Differential Equations in Practice [en]	Ingmar Nopens LA26	5	D		1	50	150	
9	Selected Topics in Mathematical Optimization [en]	Michiel Stock LA26	3	D		1	30	75	

IMLAWA10.2.4 Entrepreneurship and Management

Subscribe to no more than 12 credit units from the following list.

No.	Course name	Lecturer (dept.)	CRDT	Ref	MT1	MT2	Semester	Contact	Study
1	Project Management	Mario Vanhoucke EB24	4			2	45	120	
2	Entrepreneurship	Maikel Pellens EB23	3			2	30	75	
3	Dare to Venture [en]	Johan Verrue EB23	4			2	30	120	
4	Dare to Start [en]	Frank Gielen TW05	3			2	36	90	
5	Management for Engineers [nl, en]	Jeroen Buysse LA27	4			1	40	120	

IMLAWA10.2.5 Skills and Attitudes

Subscribe to no more than 15 credit units from the following list, with no more than 10 credit units with reference a.

No.	Course name	Lecturer (dept.)	CRDT	Ref	MT1	MT2	Semester	Contact	Study
1	Internship [nl, en]	Tom Desmet LA25	5	a		J	30	150	
2	International Internship [nl, en]	Tom Desmet LA25	5	a		J	30	150	
3	Extended Internship [nl, en]	Tom Desmet LA25	10	a		J	60	300	
4	Extended International Internship [nl, en]	Tom Desmet LA25	10	a		J	60	300	
5	Bio-ethics [en]	Heidi Mertes LW01	3			1	30	75	
6	Scientific Communication in English [en]	Geert Jacobs LW06	5			2	45	150	
7	Seminar [nl, en]	Luc Tirry LA21	3			J	30	75	

IMLAWA10.2.6 Open Choice

Subscribe to course units from courses offered at Ghent University and at the alliance partner VUB, including the [Ghent University Elective Courses](#).

A maximum of 2 such courses is allowed.

Maximum 8 credit units language courses are allowed within this master programme.

Subject to approval by the Faculty.

IMLAWA10.3 Master's Dissertation

No.	Course name	Lecturer (dept.)	CRDT	Ref	MT1	MT2	Semester	Contact	Study
1	Master's Dissertation		30		2	J		300	900

Teaching languages

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 2021-2022	f: annually, from 2022-2023	i: annually, from 2023-2024
b: tri-annually	d: bi-annually, from 2021-2022	g: bi-annually, from 2022-2023	j: bi-annually, from 2023-2024
	e: tri-annually, from 2021-2022	h: tri-annually, from 2022-2023	k: tri-annually, from 2023-2024