

Programme jointly offered by Ghent University, Aarhus University, University of Natural Resources and Life Sciences, Vienna, University of Göttingen
International Master of Science in Soils and Global Change -- Physical Land Resources and Global Change

Language of instruction: English

Programme version 2

1 General Courses 30 credits

Nr	Course	CRDT	Ref	MT1	Session	Study
1	I002773 Soil Chemistry Filip Tack -- Department of Green Chemistry and Technology	5		1	A:1	150
2	I002657 Soil Physics Wim Cornelis -- Department of Environment	5		1	A:1	150
3	I002774 Land Information Systems Frieke Vancoillie -- Department of Environment	5		1	A:1	150
4	I002711 Soil Genesis	5		1		150
5	I002756 Applied Statistics Louis Coussemment -- Department of Data Analysis and Mathematical Modelling	5		1	A:1	150
6	I002775 Pedology	5		1		150

2 Courses Related to the Main Subject 90 credits

2.1 Module Natural Resources Management for resilience to global Change 30 credits

2.1.1 Mandatory courses

Nr	Course	CRDT	Ref	MT1	Session	Study
1	C003320 Climate Change Dirk Verschuren -- Department of Biology	4		1	A:2	120
2	I002708 Soil Water Management Wim Cornelis -- Department of Environment	5		1	A:2	150
3	I002712 Soil Degradation Ann Verdoodt -- Department of Environment	5		1	A:2	150
4	I002699 Land Evaluation Ann Verdoodt -- Department of Environment	5		1	A:2	150
5	I002477 Summer School IMSOGLO	3		1		75
6	I002478 Field Work IMSOGLO	3		1		75

2.1.2 Elective courses 8 credits

[Subscribe to 8 credit units from the following list.](#)

Nr	Course	CRDT	Ref	MT1	Session	Study
1	I002718 Economics and Management of Natural Resources Stijn Speelman -- Department of Agricultural Economics	4		1	A:2	120
2	E076460 Dare to Venture Johan Verrue -- Department of Marketing, Innovation and Organisation	4		1	A:2	120
3	I001784 Seminar Mieke Uyttendaele -- Department of Food Technology, Safety and Health	3		1		75
4	I001892 Internship	5		1		135
5	C002668 Scientific Communication in English Geert Jacobs -- Department of Linguistics	5		1	A:2	150

6 I002501 Soil Prospection 4 1 120
2.2 Module Soil Physical Consequences of Global Change 30 credits

2.2.1 Mandatory courses 25 credits

Nr	Course	CRDT	Ref	MT1	Session	Study
1	I002463 Assessing Soil Erosion Risk Aarhus University, Goswin Heckrath	5		2	A:1	140
2	I002464 Global Soil Threats and Ecosystem Services Aarhus University	10		2		280
3	I002465 Carbon Cycling and Climate Change Aarhus University, Mathias Andersen	10		2	A:1	280

2.2.2 Elective courses 5 credits

[Subscribe to 5 credit units from the following list.](#)

Nr	Course	CRDT	Ref	MT1	Session	Study
1	I002466 Climate Through Earth's History Aarhus University, Marit-Solveig Seidenkrantz	5		2	A:1	140
2	I002467 Open Project Work in Soil Physics Aarhus University	5		2		140
3	I002468 Bioactive Molecules in Agroecology Aarhus University	5		2		140
4	I002469 Soil Classification Aarhus University, Mogens H. Greve	5		2	A:1	140
5	I002470 Arctic Soils Aarhus University, Mogens H. Greve	5		2	A:1	140

2.3 Master dissertation 30 credits

Nr	Course	CRDT	Ref	MT1	Session	Study
1	I002471 Master Dissertation Physical Land Resources and Global Change	30		2	A:2	900

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