GHENT UNIVERSITY

Study Programme

Academic year 2024-2025

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 Coussement -- 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 cours name, using the following ISO codes:

bg: Bulgarian	de: German	es: Spanish	ja: Japanese	pl: Polish	sh: Kroatian/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 in 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