



Programme jointly offered by Ghent University, Aarhus University, Boku University, 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 <i>Filip Tack -- Department of Green Chemistry and Technology</i>	5		1	A:1	150
2	I002657	Soil Physics <i>Wim Cornelis -- Department of Environment</i>	5		1	A:1	150
3	I002774	Land Information Systems <i>Friekie Vancoillie -- Department of Environment</i>	5		1	A:1	150
4	I002711	Soil Genesis	5		1		150
5	I002756	Applied Statistics <i>Louis Coussement -- Department of Data Analysis and Mathematical Modelling</i>	5		1	A:1	150
6	I002775	Pedology	5		1		150

2 Courses Related to the Main Subject						90 credits
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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 <i>Dirk Verschuren -- Department of Biology</i>	4		1	A:2	120
2	I002708	Soil Water Management <i>Wim Cornelis -- Department of Environment</i>	5		1	A:2	150
3	I002712	Soil Degradation <i>Ann Verdoort -- Department of Environment</i>	5		1	A:2	150
4	I002699	Land Evaluation <i>Ann Verdoort -- Department of Environment</i>	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 <i>Stijn Speelman -- Department of Agricultural Economics</i>	4		1	A:2	120
2	E076460	Dare to Venture <i>Johan Verruet -- Department of Marketing, Innovation and Organisation</i>	4		1	A:2	120
3	I001784	Seminar <i>Mieke Uyttendaele -- Department of Food Technology, Safety and Health</i>	3		1		75
4	I001892	Internship	5		1		135
5	C002668	Scientific Communication in English <i>Geert Jacobs -- Department of Linguistics</i>	5		1	A:2	150

## 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 <i>Goswin Heckrath -- Aarhus University</i>	5		2	A:1	140
2	I002464	Global Soil Threats and Ecosystem Services	10		2		280
3	I002465	Carbon Cycling and Climate Change <i>Mathias Andersen -- Aarhus University</i>	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 <i>Marit-Solveig Seidenkrantz -- Aarhus University</i>	5		2	A:1	140
2	I002467	Open Project Work in Soil Physics	5		2		140
3	I002468	Bioactive Molecules in Agroecology	5		2		140
4	I002469	Soil Classification <i>Mogens H. Greve -- Aarhus University</i>	5		2	A:1	140
5	I002470	Arctic Soils <i>Trine Nørgaard -- Aarhus University</i>	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		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 2026-2027	f: annually, from 2027-2028	i: annually, from 2028-2029
b: tri-annually	d: bi-annually, from 2026-2027	g: bi-annually, from 2027-2028	j: bi-annually, from 2028-2029
	e: tri-annually, from 2026-2027	h: tri-annually, from 2027-2028	k: tri-annually, from 2028-2029