

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 <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>Frieke 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

### 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 Verdoodt -- Department of Environment</i>	5		1	A:2	150
4	I002699 Land Evaluation <i>Ann Verdoodt -- 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 Verrue -- 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

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 <i>Aarhus University, Goswin Heckrath</i>	5		2	A:1	140
2	I002464 Global Soil Threats and Ecosystem Services <i>Aarhus University</i>	10		2		280
3	I002465 Carbon Cycling and Climate Change <i>Aarhus University, Mathias Andersen</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>Aarhus University, Marit-Solveig Seidenkrantz</i>	5		2	A:1	140
2	I002467 Open Project Work in Soil Physics <i>Aarhus University</i>	5		2		140
3	I002468 Bioactive Molecules in Agroecology <i>Aarhus University</i>	5		2		140
4	I002469 Soil Classification <i>Aarhus University, Mogens H. Greve</i>	5		2	A:1	140
5	I002470 Arctic Soils <i>Aarhus University, Mogens H. Greve</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	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