

# Study Programme

Academic year 2021-2022

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	1 General Courses					
Nr	Course		CRDT Re	f MT1	Session	Study
1	1002773	Soil Chemistry Filip Tack Department of Green Chemistry and Technology	5	1	A:1	150
2	1002657	Soil Physics Wim Cornelis Department of Environment	5	1	A:1	150
3	1002774	Land Information Systems Frieke Vancoillie Department of Environment	5	1	A:1	150
4	1002711	Soil Genesis Peter Finke Department of Environment	5	1	A:1	150
5	1002756	Applied Statistics Aisling Daly Department of Data Analysis and Mathematical Modelling	5	1	A:1	150
6	1002775	Pedology Peter Finke Department of Environment	5	1	A: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

Ni			CRDT Ref	MT1	Session	Study
1	C003320	Climate Change Dirk Verschuren Department of Biology	4	1	A:2	120
2	1002708	Soil Water Management Wim Cornelis Department of Environment	5	1	A:2	150
3	1002712	Soil Degradation Ann Verdoodt Department of Environment	5	1	A:2	150
4	1002699	Land Evaluation Ann Verdoodt Department of Environment	5	1	A:2	150
5	1002477	Summer School IMSOGLO Peter Finke Department of Environment	3	1	A:2 <sup>a</sup>	75
6	1002478	Field Work IMSOGLO Peter Finke Department of Environment	3	1	(A:2) <sup>d</sup>	75
2.	2.1.2 Elective courses 8 c					credits

#### Subscribe to 8 credit units from the following list.

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Νı			CRDT Re		Session	Study	
1	1002718	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	

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3	1001784	Seminar Mieke Uyttendaele Department of Food Technology, Safety and Health	3	1		75
4	1001892	Internship Steven Sleutel Department of Environment	5	1	B:2	135
5	C002668	Scientific Communication in English Geert Jacobs Department of Linguistics	5	1	A:2	150
6	1002501	Soil Prospection Peter Finke Department of Environment	4	1	A:2	120
2.2 Module Soil Physical Consequences of Global Change						credits
2.	2.1 Manda	atory courses			25	credits

Nr Cou	ourse		CRDT	Ref	MT1	Session	Study
1 100	02463	Assessing Soil Erosion Risk Goswin Heckrath Aarhus University	5		2	A:1	140
2 100	02464	Global Soil Threats and Ecosystem Services  Bo V. Iversen Aarhus University	10		2	A:1	280
3 100	02465	Carbon Cycling and Climate Change  Mathias Andersen Aarhus University	10		2	A:1	280

2.2.2 Elective courses 5 credits

Subscribe to 5 credit units from the following list.

Ni	· Course	orean armo nom are remaining non	CRDT F	Ref MT1	Session	Study
1	1002466	Climate Through Earth's History  Marit-Solveig Seidenkrantz Aarhus University	5	2	A:1	140
2	1002467	Open Project Work in Soil Physics	5	2	A:1	140
3	1002468	Bioactive Molecules in Agroecology Inge Fomsgaard Aarhus University	5	2	A:1	140
4	1002469	Soil Classification  Mogens H. Greve Aarhus University	5	2	A:1	140
5	1002470	Arctic Soils Lis Wollesen de Jonge Aarhus University	5	2	A:1	140

# 2.3 Master dissertation

30 credits

1	Ir Course		CRDT	Ref	MT1	Session	Study
1	1002471	Master Dissertation Physical Land Resources and Global Change	30		2	A:2	900
		Peter Finke Denartment of Environment					

#### 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

pt: Portuguese cs: Czech el: Greek fr: French nl: Dutch sl: Slovene en: English it: Italian ru: Russian da: Danish no: Norwegian 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:

c: annually, from 2022-2023 f: annually, from 2023-2024 i: annually, from 2024-2025 a: bi-annually g: bi-annually, from 2023-2024 j: bi-annually, from 2024-2025 b: tri-annually d: bi-annually, from 2022-2023 k: tri-annually, from 2024-2025 e: tri-annually, from 2022-2023 h: tri-annually, from 2023-2024

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