

UGent - VUB

Master of Science in Physical Land Resources -- Soil Science

Campus: UGent

Language(s) of instruction: English (Programme sheet as of: 2020)

Programme version 1 Valid as from the academic year 2020-2021 (ONTWERP)

1 General Courses 65.0 credits

Nr	Course	CRDT	Ref	MT1	MT2	Session	Contact	Study
1	I001550 Soil Physics [en]	5.0		1		A:1	60.0	135
2	I001549 Applied Statistics [en]	5.0		1		A:1	60.0	125
3	I001553 Land Information Systems [en]	5.0		1		A:1	60.0	135
4	C002615 Environmental Impact Assessment [en]	6.0		1		A:1	50.0	150
5	C001705 Hydrogeology [en]	4.0		1		A:1	35.0	105
6	C003068 Hydrology and Hydrogeomorphology [en]	5.0		1		A:1	50.0	150
7	C004257 Remote Sensing [en]	5.0		1		A:2	60.0	135
8	K000253 Sustainable Development [en]	5.0		1		A:2	45.0	150
9	C003320 Climate Change [en]	4.0		1		A:2	37.5	120
10	E076460 Dare to Venture [en]	4.0		1		A:2	30.0	120
11	C004258 Scientific Communication on Physical Land Resources [en]	4.0		1		A:2	40.0	120
12	C004259 Applied Geophysics [en]	5.0		1		A:2	60.0	135
13	C002660 Introduction to Geotechnics [en]	3.0		1		A:2	30.0	90
14	C004260 Integrated Project [en]	5.0		2		A:2(2021)	84.0	138

2 Courses Related to the Main Subject 45.0 credits

2.1 Land and Groundwater Management (UGent) 15.0 credits

Nr	Course	CRDT	Ref	MT1	MT2	Session	Contact	Study
1	C002656 Groundwater Modelling [en]	5.0		2		B:1	50.0	125
2	C002655 Groundwater Chemistry [en]	5.0		2		B:1	50.0	125
3	I001513 Soil Water Management [en]	5.0		2		A:2	60.0	135

2.2 Master's Dissertation 30.0 credits

Nr	Course	CRDT	Ref	MT1	MT2	Session	Contact	Study
1	C004264 Master's Dissertation [en]	30.0		2		A:J(2021)	300.0	900

3 Elective Courses 10.0 credits

Subscribe to 10 credit units from no less than 1 and no more than 2 modules from the following list. Subject to approval by the faculty.

3.1 Elective Course List

Subscribe to no more than 10 credit units from the following list.

Courses 2 to 9 are offered at UGent, 10 to 17 at VUB.

Nr	Course	CRDT	Ref	MT1	MT2	Session	Contact	Study
1	C004265 Internship [en]	5.0		2		A:J(2021)	60.0	135
2	C003997 Clay Mineralogy [en]	5.0		2		A:2	40.0	150
3	I000256 Geostatistics [en]	5.0		2		A:2	60.0	135
4	I001333 Irrigation and Drainage [en]	5.0		2		A:1	60.0	135
5	I000985 Land Evaluation [en]	5.0		2		A:2	60.0	135
6	C001032 Landscape Ecology [en]	5.0		2		A:2	50.0	150
7	C003994 Mineral Resources, Economics and the Environment [en]	6.0		2		A:1	45.0	150
8	I001573 Soil Degradation [en]	5.0		2		A:2	60.0	135
9	I002664 Soil Erosion Control: Principles and Practice [en]	4.0		2		A:1	40.0	120
10	C004266 Surface Water Modelling [en] Vrije Universiteit Brussel	5.0		2		A:1(2021)	60.0	125
11	C004267 Water and Land Interaction and Transformation [en] Vrije Universiteit Brussel	5.0		2		A:1(2021)	40.0	135

12	C004268	Applied Geomorphology [en] Vrije Universiteit Brussel	5.0	2	A:2(2021)	60.0	135
13	C004269	Decision Support Systems for Sustainability [en] Vrije Universiteit Brussel	6.0	2	A:2(2021)	152.0	152
14	C004270	Natural Hazards [en] Vrije Universiteit Brussel	3.0	2	A:2(2021)	39.0	90
15	C004271	Natural Risk Management [en] Vrije Universiteit Brussel	3.0	2	A:2(2021)	39.0	90
16	C004272	Water Quality Assessment [en] Vrije Universiteit Brussel	4.0	2	A:2(2021)	36.0	100
17	C004273	Land-Climate Dynamics [en] Vrije Universiteit Brussel	5.0	2	A:1(2021)	54.0	135

3.2 Elective Courses of a University of the Flemish Community

[Subscribe to no more than 10 credit units from courses of the other main subject or courses from other study programmes at universities in the Flemish Community upon approval by the curriculum commission.](#)