

SLM Master Modules and Courses

A- Foundation (Mandatory) Modules and Courses				
Core Module	Specific Courses	Code	ECTS#	ECH##
Sustainable agro-ecosystem management	• Agroecosystems	SLM 14730	6	2
	• Biodiversity and Ecosystem Services	SLM 14731	6	2
	• Advanced Land Degradation	SLM 14732	6	2
Geomatics and Spectroscopy	• GIS and Spatial Analysis	SLM 14733	9	3
	• Advanced Spectroscopy	SLM 14734	6	2
Bioeconomics of land management	• Economics of Land Degradation	SLM 14760	6	2
	• Biostatistical Analysis	SLM 14761	6	2
Scientific English and project proposal Writing	• English for Scientists and Proposal Writing	SLM 14762	3	1
	• Research Methods and Scientific Communications	SLM 14763	3	1
Mobility Strand	• Training	SLM 14799	12	4
Seminar in SLM	• Students seminars in SLM	SLM 14701	9	3
Subtotal Foundation Credits			72	24

Master Thesis	Thesis research	SLM 14700	30	8
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B- Specialization Modules and Courses (Select 3 courses)				
Core Module	Specific Course	Code	ECTS#	ECH##
Land Use Planning and Assessment	• Land Use Planning for Sustainable Development	SLM 14735	6	2
	• Advanced Land Evaluation	SLM 14736	6	2
	• Climate Change and Food Security	SLM 14737	6	2
	• Modelling of Land Use Changes	SLM 14738	6	2
	• Land Use Policies and Legislations	SLM 14739	6	2
	• Land Use Policies and Legislations	SLM 14739	6	2
Environmental Soil and Water Resources Management	• Advanced Soil and Water Pollution and Remediation	SLM 14740	6	2
	• Systems Approach to Water Management	SLM 14741	6	2
	• Socioeconomic Aspects of Water Resource Management	SLM 14742	6	2
	• Sustainable Soil Fertility Management	SLM 14743	6	2
	• Alternative Agricultural Systems	SLM 14744	6	2
Farming System Modelling in Land Management	• Plant System Modelling in Land Management	SLM 14745	6	2
	• Animal System Modelling in Land Management	SLM 14746	6	2
	• Integrated Pest Management (IPM)	SLM 14747	6	2
	• Applied Bioeconomics	SLM 14748	6	2
	• Advanced Agricultural Waste Management	SLM 14749	6	2
Subtotal Specializations Credits			18	6

**Course Distribution by Semester for SLM Master
First Year, 1stSemester (fall)**

Course Code (UNIAL system)	Courses	Lecture	Practical	ECH	ECTS
SLM 19641	Biostatistical analysis	1	2	2	6
SLM 14634	Advanced Land Degradation	1	2	2	6
SLM 30666	English for Scientists and Proposal Writing	1	-	1	3
SLM 14630	GIS and Spatial Analysis	2	2	3	9
SLM 14632	Agroecosystems	1	2	2	6
SLM 14601	SLM Seminar	1	-	1	3
Semester Total				11	33

First Year, 2ndSemester (Spring)

Course Code	Courses	Lecture	Practical	ECH	ECTS
SLM 17561	Advance Spectroscopy	1	2	2	6
SLM 14633	Biodiversity and Ecosystem Services	2	-	2	6
SLM 03542	Economics of Land Degradation	2	-	2	6
SLM 14699	Mobility Strand (Training)	-	8	4	12
SLM 30667	Research Methods and Scientific Communications	1	-	1	3
Semester Total				11	33

Second Year, 1stSemester (Fall)

Course Code	Courses	Lecture	Practical	ECH	ECTS
SLM 14601	SLM Seminar	1	-	1	3
Elective	From Specialization Modules	1	2	2	6
Elective	From Specialization Modules	1	2	2	6
SLM 14600	Thesis Research	-	4	1	5
Semester Total				6	20

Second Year, 2ndSemester (Spring)

Course Code	Courses	Lecture	Practical	ECH	ECTS
SLM 14601	SLM Seminar	1	-	1	3
Elective	From Specialization Modules	1	2	2	6
SLM 14600	Thesis Research	-	4	2	8
Semester Total				5	17

Second Year, 3rdSemester (Summer)

Course Code	Courses	Lecture	Practical	ECH	ECTS
SLM 14600	Thesis Research	-	4	4	14
SLM 13601	SLM Seminar	1	-	1	3
Semester Total				5	17