

MASTER OF SCIENCE IN GEOGRAPHY

Curriculum

Landscape and Environmental Management specialization

Outline credits to be earned

I. Compulsory basic courses	12 credits
II. Compulsory core courses	32 credits
III. Specific courses in Landscape and Environmental Management	40 credits
IV. Elective courses	6 credits
V. Thesis work	30 credits
Total	120 credits

I. Compulsory basic courses

Courses	ECTS	Hours	Type	Responsible Department	Instructor
Semester 1					
Environmental Informatics	1+3	1+3	L+P	Phys.Geo.&Geoinf	<i>Dr. Kovács F. Dr. Szatmári J., Dr. Tobak Z., Dr. van Leeuwen B.</i>
Geographical Epistemology	3	2	L	Econ.&Soc.Geo.	<i>Dr. Kovács Z.</i>
Research Methods in Earth Sciences	2	2	P	Phys.Geo.&Geoinf	<i>Dr. Mezősi G.</i>
Semester 2					
Modelling and Simulation	1+2	1+2	L+P	Phys.Geo.&Geoinf	<i>Dr. Mucsi L., Dr. Szatmári J., Dr. Tobak Z., Dr. van Leeuwen B.</i>

II. Compulsory core courses

Courses	ECTS	Hours	Type	Responsible Department	Instructor
Semester 1					
Environmental Risk Assessment	3	2	L	Phys.Geo.&Geoinf	<i>Dr. Ladányi Zs.</i>
Environmental Geography	3	2	L	Phys.Geo.&Geoinf	<i>Dr. Sipos Gy.</i>
Environmental System	3+1	2+1	L+P	Phys.Geo.&Geoinf	<i>Dr. Kiss T.</i>
Landscape Planning	3	2	L	Phys.Geo.&Geoinf	<i>Dr. Mezősi G., Dr. Szilassi P.</i>
Political geography of the world economy	3+2	2+2	L+P	Econ.&Soc.Geo.	<i>Dr. Boros L., Dr. Fabula Sz.</i>
Space and Society	3+1	2+1	L+P	Econ.&Soc.Geo.	<i>Dr. Kovács Z., Nagy Gy.</i>
Semester 2					
Regional Policy and Regional Development	3+2	2+2	L+P	Econ.&Soc.Geo.	<i>Dr. Hegedűs G.</i>

Presentation Skills	2	2	P	Econ.&Soc.Geo.	<i>Dr. Kovács Z., Nagy Gy.</i>
Social Geography	3	2	L	Econ.&Soc.Geo.	<i>Dr. Bajmócy P.</i>

III. Specific courses in Landscape and Environmental Management

Courses	ECTS	Hours	Type	Responsible Department	Instructor
Semester 2					
Environmental Protection in Practice	0+3		P	Phys.Geo.&Geoinf	<i>Dr. Ladányi Zs.</i>
Sectorial Planning	3+2		L+P	Econ.&Soc.Geo.	<i>Dr. Fabula Sz., Vida Gy.</i>
Project Management	4+0	3	L	Econ.&Soc.Geo.	<i>Dr. Bajmócy P., Nagy Gy.</i>
Projectwork	0+3	3	P	Phys.Geo.&Geoinf	<i>any lecturer</i>
Semester 3					
Environmental planning models	2+3	1+3	L+P	Phys.Geo.&Geoinf	<i>Dr. Barta K., Dr. Szatmári J.</i>
Hydrological planning	3+2	2+2	L+P	Phys.Geo.&Geoinf	<i>Dr. Kiss T., Dr. Blanka-Végi V.</i>
Visualization	2	2	P	Phys.Geo.&Geoinf	<i>Dr. van Leeuwen, B., Tobak Z., Szatmári J.</i>
Environmental monitoring	3	2	L	Phys.Geo.&Geoinf	<i>Dr. Blanka-Végi V., Dr. Sipos Gy., Dr. Farsang A.</i>
Semester 4					
Vegetation analysis and evaluation	3+2	2+2	L+P	Clim.&Lands.Ecol.	<i>Dr. Gulyás Á., Kiss M.</i>
Internship	5	6 weeks	P	Econ.&Soc.Geo.	

IV. Elective courses

Courses	ECTS	Hours	Type	Responsible Department	Instructor
Semester 2					
Offered elective courses	3	2	L	Phys.Geo.&Geoinf Econ.&Soc.Geo. Clim. & Landsc.Ecol. Miner.Geochem&Petr.	<i>any lecturer</i>
Semester 3					
Offered elective courses	3	2	L	Phys.Geo.&Geoinf Econ.&Soc.Geo. Clim. & Landsc.Ecol. Miner.Geochem&Petr.	<i>any lecturer</i>

V. Thesis work

Courses	ECTS	Hours	Type	Responsible Department	Instructor
Semester 3					
Thesis work 1	10	10	P	Phys.Geo.&Geoinf	<i>any lecturer</i>
Semester 4					
Thesis work 2	20	20	P	Phys.Geo.&Geoinf	<i>any lecturer</i>

Regional and Urban Planning specialization

Outline credits to be earned

I. Compulsory basic courses	12 credits
II. Compulsory core courses	32 credits
III. Specific courses in Regional and Urban Planning	40 credits
IV. Elective courses	6 credits
V. Thesis work	30 credits
Total	120 credits

I. Compulsory basic courses

Courses	ECTS	Hours	Type	Responsible Department	Instructor
Semester 1					
Environmental Informatics	1+3	1+3	L+P	Phys.Geo.&Geoinf	<i>Dr. Kovács F., Dr. Szatmári J., Dr. Tobak Z., Dr. van Leeuwen B.</i>
Geographical Epistemology	3	2	L	Econ. & Soc.Geo.	<i>Dr. Kovács Z.</i>
Research Methods in Earth Sciences	2	2	P	Phys.Geo.&Geoinf	<i>Dr. Mezősi G.</i>
Semester 2					
Modelling and Simulation	1+2	1+2	L+P	Phys.Geo.&Geoinf	<i>Dr. Mucsi L., Dr. Szatmári J., Dr. Tobak Z., Dr. van Leeuwen B.</i>

II. Compulsory core courses

Courses	ECTS	Hours	Type	Responsible Department	Instructor
Semester 1					
Environmental Risk Assessment	3	2	L	Phys.Geo.&Geoinf	<i>Dr. Ladányi Zs.</i>
Environmental Geography	3	2	L	Phys.Geo.&Geoinf	<i>Dr. Sipos Gy.</i>
Environmental System	3+1	2+1	L+P	Phys.Geo.&Geoinf	<i>Dr. Kiss T.</i>
Landscape Planning	3	2	L	Phys.Geo.&Geoinf	<i>Dr. Mezősi G., Dr. Szilassi P.</i>
Political geography of the world economy	3+2	2+2	L+P	Econ.&Soc.Geo.	<i>Dr. Boros L., Dr. Fabula Sz.</i>
Space and Society	3+1	2+1	L+P	Econ.&Soc.Geo.	<i>Dr. Kovács Z., Nagy Gy.</i>
Semester 2					
Regional Policy and Regional Development	3+2	2+2	L+P	Econ.&Soc.Geo.	<i>Dr. Hegedűs G.</i>
Presentation Skills	2	2	P	Econ.&Soc.Geo.	<i>Dr. Kovács Z., Nagy Gy.</i>
Social Geography	3	2	L	Econ.&Soc.Geo.	<i>Dr. Bajmócy P.</i>

III. Specific courses in Regional and Urban Planning

Courses	ECTS	Hours	Type	Responsible Department	Instructor
Semester 2					
Urban geography and urban planning	3+1	2+1	L+P	Econ.&Soc.Geo.	<i>Dr. Kovács Z., Nagy Gy.</i>
Regional Analysis	0+2	2	P	Econ.&Soc.Geo.	<i>Dr. Bajmócy P., Vida Gy.</i>
Regional Planning	3+0	2	L	Econ.&Soc.Geo.	<i>Dr. Fabula Sz.</i>
Project Management	4+0	3	L	Econ.&Soc.Geo.	<i>Dr. Bajmócy P., Nagy Gy.</i>
Projectwork	0+3	3	P	Econ.&Soc.Geo.	<i>any lecturer</i>
Semester 3					
Rural geography and rural development	3+1	2+1	L+P	Econ.&Soc.Geo.	<i>Dr. Hegedűs G.</i>
Applied Geoinformatics	2+3	1+3	L+P	Phys.Geo.&Geoinf	<i>Dr. Szatmári J., Dr. Barta K.</i>
Sustainable Water Management	3+2	2+2	L+P	Phys.Geo.&Geoinf	<i>Dr. Mezősi G, Dr. Blanka-Végi V, Dr. Kiss T,</i>
Semester 4					
Urban Green Infrastructure	3+2	2+2	L+P	Clim.&Lands.Ecol.	<i>Dr. Gulyás Á., Kiss M.</i>
Internship	5	6 weeks	P	Econ.&Soc.Geo.	

IV. Elective courses

Courses	ECTS	Hours	Type	Responsible Department	Instructor
Semester 3					
Offered elective courses	6	4	L	Phys.Geo.&Geoinf Econ.&Soc.Geo. Clim. & Landsc.Ecol. Miner.Geochem&Petr.	<i>any lecturer</i>

V. Thesis work

Courses	ECTS	Hours	Type	Responsible Department	Instructor
Semester 3					
Thesis work 1	10	10	P	Econ.&Soc.Geo.	<i>any lecturer</i>
Semester 4					
Thesis work 2	20	20	P	Econ.&Soc.Geo.	<i>any lecturer</i>

L = lecture or seminar, P = practice

Phys.Geo. & Geoinf = Department of Physical Geography and Geoinformatics

Econ. & Soc.Geo. = Department of Economic and Social Geography

Clim. & Landsc.Ecol. = Department of Climatology and Landscape Ecology

Miner.Geochem&Petr. = Department of Mineralogy, Geochemistry and Petrology