

MSc on "Forestry and Environmental Sciences" (two years study plan - starting 2021/22)
Laurea Magistrale in "Scienze Forestali e Ambientali" (CLASSE LM-73)

Curriculum "Forests and Environment"

Code	Subjects titles (exams) and modules	SSD	Credits (CFU)	Class activities (hours)	Practical activities (hours)	Total supervised hours	Course type	Year	Semester	Principal Lectures
FIRST YEAR										Active 2021/22
17926	Forest ecophysiology	AGR/05	6	40	8	48	S	1	1 st	De Angelis
17697	Forest genetics and Biotechnology		12				M	1		
	<i>Forest biotechnology</i>	AGR/05	6	40	8	48			1 st	Kuzminsky
	<i>Forest genetics</i>	AGR/07	6	44	4	48			1 st	Ciaffi
17927	Monitoring soil quality	AGR/13	6	44	4	48	S	1	1 st	Moscatelli
118981	Monitoring Terrestrial Ecosystems Carbon Cycle (ICOS)	AGR/05	6	24	24	48	S	1	1 st	Papale
118982	Remote sensing in forest resource management	AGR/05	6	24	24	48	S	1	1 st	Barbati
118983	Invasive forest pathogens and global changes	AGR/12	6	40	8	48	S	1	2 nd	Vannini
118552	Silviculture II and Wood products		13				M	1		
	<i>Silviculture of Mediterranean and temperate forests</i>	AGR/05	7	44	12	56	S		2 nd	Sabatti
	<i>Wood-based biocomposites</i>	AGR/06	6	40	8	48	S		2 nd	Romagnoli
118984	Technical english language		4		32			1	2 nd	
SECOND YEAR										Active 2022/23
17700	Forest management planning	AGR/05	7	48	8	56	S	2	3 rd	Portoghesi
17930	Forest economics and policy	AGR/01	6	44	4	48	S	2	3 rd	Carbone F.
17703	Vertebrates of forest ecosystems	BIO/05	6	40	8	48	S	2	3 rd	Zapparoli
17929	Applied hydrology	AGR/08	6	40	8	48	S	2	4 th	Grimaldi
14366	Free selection of disciplines (AFS)		12					1-2	1 st - 4 th	
15912	Internship in research laboratories, professional enterprises, public administrations and other organisations		4		100 registered working hours			1-2	free	
17559	Thesis - written in English or Italian		20		500 working hours (average)			2	3 rd - 4 th	

Total credits

120

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Additional extracurricular subjects, which can be selected to complete the career (as AFS)

											Active 2021/22
Code	Subjects titles (exams) and modules	SSD	Credits (CFU)	Class activities (hours)	Practical activities (hours)	Total supervised hours	Course type	Year	Semester		Principal Lectures
119268	Propagation of woody plants and disease management	AGR/05	6				M	1			
	<i>Propagation of woody plants</i>	AGR/05	2	8	8	16			1 st		E. Kuzminsky
	<i>Disease management in plant propagation</i>	AGR/12	4	16	16	32			1 st		A. Vettraino
118546	Phytotechnologies to protect water and soil in urban areas	AGR/05	6	44	4	48	S	1	1 st		De Angelis
118985	Management of forests and agroforest soils	AGR/14	6	24	24	48	S	1	2 nd		T. Chiti
119269	Micropropagation of woody plants	AGR/05	6	24	24	48	S	1	2 nd		E. Kuzminsky
118553	Monitoring Ecosystem Services	AGR/05	6	24	24	48	S	1	2 nd		R. Valentini
118547	Trees and plants to improve air quality of urban areas	AGR/05	6	44	4	48	S	1	2 nd		*

Curricular subjects, which can be selected only by incoming students under mobility programmes or by students enrolled in other MSc courses at UNITUS, or for single courses enrolment

											Active 2021/22
118558	Forest genetics	AGR/07	6	44	4	48	S	<i>n.a.</i>	1 st		Ciaffi
118556	Silviculture of Mediterranean and temperate forests	AGR/05	6	44	4	48	S	<i>n.a.</i>	2 nd		Sabatti
118550	Wood-based biocomposites	AGR/06	6	40	8	48	S	<i>n.a.</i>	2 nd		Romagnoli

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Curriculum Mediterranean Forestry and Natural Resources Management (MEDFOR)

1st year in partner Universities* - 2nd year in Viterbo / multiple degrees

***MEDFOR consortium (Portugal, Spain, ~~Turkey, Italy~~) - multiple degrees**

Code	Subjects titles (exams) and modules - corresponding first year exams -	SSD	CFU	Class activities (hours)	Practical activities (hours)	Total supervised hours	Course type	Year	Semester	Principal Lectures
FIRST YEAR										Active 2021/22
17705	Forest management planning	AGR/05	6	40	8	48	S	1	1 st	Portoghesi
17701	Forest economics and policy	AGR/01	6	44	4	48	S	1	1 st	Carbone F.
118986	Biological sciences for sustainable forest management		12				M	1		
	<i>Vertebrates of forest ecosystems</i>	BIO/05	6	40	8	48			1 st	Zapparoli
	<i>Invasive forest pathogens and global changes</i>	AGR/12	6	40	8	48			2 nd	Vannini
17852	Silviculture II and Wood products		12				M	1		
	<i>Silviculture of Mediterranean and temperate forests</i>	AGR/05	6	44	4	48			2 nd	Sabatti
	<i>Wood-based biocomposites</i>	AGR/06	6	44	4	48			2 nd	Romagnoli
17702	Applied hydrology	AGR/08	6	40	8	48	S	1	2 nd	Grimaldi
14366	Free selection of disciplines (AFS)		12					1	1 st - 2 nd	
SECOND YEAR										Active 2022/23
16365	Forest biotechnology	AGR/05	6	40	8	48	S	2	3 rd	Kuzminsky
16340	Forest ecophysiology	AGR/05	6	40	8	48	S	2	3 rd	De Angelis
118987	Monitoring Terrestrial Ecosystems Carbon Cycle (ICOS)	AGR/05	6	24	24	48	S	1	3 rd	Papale
118988	Remote sensing in forest resource management	AGR/05	6	24	24	48	S	2	3 rd	Barbati
16343	Forest tree cropping	AGR/05	6	36	12	48	S	2	3 rd	Sabatti
16344	Monitoring soil quality	AGR/13	6	44	4	48	S	2	3 rd	Moscattelli
15912	Internship in research laboratories, professional enterprises, public administrations and other organisations		4			100 registered working hours		1-2	free	
16355	Thesis - written in English		26			650 working hours (average)		2	4 th	

Total credits

120

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Curriculum Management and design of Urban Green Infrastructures (UGI)

Viterbo (UNITUS) - Moscow (RUDN) / double degree

Code	Subjects titles (exams) and modules	SSD	CFU	Class activities (hours)	Practical activities (hours)	Total supervised hours	Course type	Year	Semester	Lecturer
FIRST YEAR for UNITUS students - SECOND YEAR for RUDN students										Active 2021/22
118981	Monitoring Terrestrial Ecosystems Carbon Cycle (ICOS)	AGR/05	6	24	24	48	S	1	1 st	Papale
17123	Soil pollution and monitoring	AGR/13	6	44	4	48	S	1	1 st	De Cesare
118982	Remote sensing in forest resource management	AGR/05	6	24	24	48	S	1	1 st	Barbati
17125	Urban forestry	AGR/05	6	44	4	48	S	1	1 st	Valentini R
17122	Phytotechnologies for remediation and improvement of urban environment		12				M	1		
	<i>Phytotechnologies to protect water and soil in urban areas</i>	AGR/05	6	44	4	48			1 st	De Angelis
	<i>Trees and plants to improve air quality of urban areas</i>	AGR/05	6	44	4	48			2 nd	*
17126	Urban hydrology	AGR/08	6	40	8	48	S	1	2 nd	Grimaldi
SECOND YEAR for UNITUS students - FIRST YEAR for RUDN students										Active 2022/23
17124	Phytopathology and Plant Protection	AGR/12	6	40	8	48	S	2	3 rd	E. Pakina (RUDN)
118544	Urban ecology	BIO/07	6	40	8	48	S	2	3 rd - 4 th	V. Vasenev/ K. Ivaschenko (RUDN)
118545	Data analysis and statistics	SECS-S/02	8	56	8	64	S	2	3 rd - 4 th	V. Vasenev/ K. Ivaschenko (RUDN)
17128	Landscape design, architecture and city-planning	ICAR/14	8	56	8	64	S	2	3 rd - 4 th	Ilya Mochalov (RUDN)
118543	International regulation in city planning and environmental protection	SECS-P/06	6	40	8	48	S	2	4 th	V. Plyushchikov & M. De Martino (RUDN)
14366	Free selection of disciplines (AFS) *		12					1-2	1 st - 4 th	
15912	Internship in research laboratories, professional enterprises, public administrations and other organisations		4		100 registered working hours			1-2	free	
18454	Thesis - written in English **		28		700 working hours (average)			2	from 2 nd	

Total credits 120

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Extracurricular subjects, which can be selected to complete the career (as AFS) at UNITUS

											Active 2021/22
Code	Subjects titles (exams) and modules	SSD	Credits (CFU)	Class activities (hours)	Practical activities (hours)	Total supervised hours	Course type	Year	Semester		Principal Lectures
119268	Propagation of woody plants and disease management	AGR/05	6				M	1			
	<i>Propagation of woody plants</i>	AGR/05	2	8	8	16			1 st		E. Kuzminsky
	<i>Disease management in plant propagation</i>	AGR/12	4	16	16	32			1 st		A. Vettraino
118985	Management of forests and agroforest soils	AGR/14	6	24	24	48	S	1	2 nd		T. Chiti
118553	Monitoring Ecosystem Services	AGR/05	6	24	24	48	S	1	2 nd		R. Valentini

Extracurricular subjects, which can be selected to complete the career (as AFS) at RUDN *

											Active 2022/23
Code	Subjects titles (exams) and modules	SSD	Credits (CFU)	Class activities (hours)	Practical activities (hours)	Total supervised hours	Course type	Year	Semester		Principal Lectures
	Scientific writing skills		6				S	2	2 nd		V. Vasenev/ K. Ivaschenko (RUDN)
	Business English		6				S	2	2 nd		Tatiana Meer (RUDN)
	Total		12								

Thesis at RUDN - written in English ()**

Scientific research and thesis preparation	11
Practice - Scientific research and thesis preparation	8
Practice - Preparation and defence of the thesis	6
State exam	3
Total	28