MSc on "Forestry and Environmental Sciences" (two years study plan - starting 2020/21)
Laurea Magistrale in "Scienze Forestali e Ambientali" (CLASSE LM-73)

Curriculumm "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 2020/21
17926	**Forest ecophysiology**	AGR/05	**6**	40	8	48	S	1	1st		De Angelis
17697	**Forest genetics and Biotechnology**		**12**				M	1			
	Forest biotechnology	AGR/05	*6*	40	8	48			1st		Kuzminsky
	Forest genetics	AGR/07	*6*	44	4	48			1st		Ciaffi
17927	**Monitoring soil quality**	AGR/13	**6**	44	4	48	S	1	1st		Moscatelli
118981	**Monitoring Terrestrial Ecosystems Carbon Cycle (ICOS)**	AGR/05	**6**	24	24	48	S	1	1st		Papale
118982	**Remote sensing in forest resource management**	AGR/05	**6**	24	24	48	S	1	1st		Barbati
118983	**Invasive forest pathogens and global changes**	AGR/12	**6**	40	8	48	S	1	2nd		Vannini
118552	**Silviculture II and Wood products**		**13**				M	1			
	Silviculture of Mediterranean and temperate forests	AGR/05	*7*	44	12	56	S		2nd		Sabatti
	Wood-based biocomposites	AGR/06	*6*	40	8	48	S		2nd		Romagnoli
118984	**Technical english language**		**4**		32			1	2nd		
	SECOND YEAR										Active 2021/22
17700	**Forest management planning**	AGR/05	**7**	48	8	56	S	2	3rd		Portoghesi
17930	**Forest economics and policy**	AGR/01	**6**	44	4	48	S	2	3rd		Carbone F.
17703	**Vertebrates of forest ecosystems**	BIO/05	**6**	40	8	48	S	2	3rd		Zapparoli
17929	**Applied hydrology**	AGR/08	**6**	40	8	48	S	2	4th		Grimaldi
14366	**Free selection of disciplines (AFS)**		**12**					1-2	1st - 4th		
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	3rd - 4th		
	Total credits		**120**								

Additional extracurricular subjects, which can be selected to complete the career (as AFS)
Active 2020/21

Code	Subjects titles (exams) and modules	SSD	Credits (CFU)	Class activities (hours)	Practical activities (hours)	Total supervised hours	Course type	Year	Semester		Principal Lectures
118546	**Phytotechnologies to protect water and soil in urban areas**	AGR/05	**6**	44	4	48	S	*n.a.*	1st		De Angelis
118985	**Management of forests and agroforest soils**	AGR/14	**6**	24	24	48	S	*n.a.*	2nd		T. Chiti
118553	**Monitoring Ecosystem Services**	AGR/05	**6**	24	24	48	S	*n.a.*	2nd		R. Valentini
118654	**Propagation of plants and pathogens control**	AGR/05	**6**				M	*n.a.*			
	Micropropagation of plants	AGR/05	*4*	16	16	32		*n.a.*	2nd		E. Kuzminsky
	Pathogens control in plant propagation	AGR/12	*2*	8	8	16		*n.a.*	2nd		A. Vettraino
118547	**Trees and plants to improve air quality of urban areas**	AGR/05	**6**	44	4	48	S	*n.a.*	2nd		*

Curricular subjects, which can be selected <u>only</u> by incoming students under mobility programmes or by students enrolled in other MSc courses at UNITUS, or for single courses enrolment
Active 2020/21

Code	Subjects titles (exams) and modules	SSD	Credits (CFU)	Class activities (hours)	Practical activities (hours)	Total supervised hours	Course type	Year	Semester		Principal Lectures
118558	**Forest genetics**	AGR/07	**6**	44	4	48	S	*n.a.*	1st		Ciaffi
118556	**Silviculture of Mediterranean and temperate forests**	AGR/05	**6**	44	4	48	S	*n.a.*	2nd		Sabatti
118550	**Wood-based biocomposites**	AGR/06	**6**	40	8	48	S	*n.a.*	2nd		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 2020/21**
17705	Forest management planning	AGR/05	**6**	40	8	48	S	1	1st	*Portoghesi*
17701	Forest economics and policy	AGR/01	**6**	44	4	48	S	1	1st	*Carbone F.*
118986	Biological sciences for sustainable forest management		**12**				M	1		
	Vertebrates of forest ecosystems	BIO/05	*6*	40	8	48			1st	*Zapparoli*
	Invasive forest pathogens and global changes	AGR/12	*6*	40	8	48			2nd	*Vannini*
17852	Silviculture II and Wood products		**12**				M	1		
	Silviculture of Mediterranean and temperate forests	AGR/05	*6*	44	4	48			2nd	*Sabatti*
	Wood-based biocomposites	AGR/06	*6*	44	4	48			2nd	*Romagnoli*
17702	Applied hydrology	AGR/08	**6**	40	8	48	S	1	2nd	*Grimaldi*
14366	Free selection of disciplines (AFS)		**12**					1	1st - 2nd	
	SECOND YEAR									**Active 2021/22**
16365	Forest biotechnology	AGR/05	**6**	40	8	48	S	2	3rd	Kuzminsky
16340	Forest ecophysiology	AGR/05	**6**	40	8	48	S	2	3rd	De Angelis
118987	Monitoring Terrestrial Ecosystems Carbon Cycle (ICOS)	AGR/05	**6**	24	24	48	S	1	3rd	Papale
118988	Remote sensing in forest resource management	AGR/05	**6**	24	24	48	S	2	3rd	Barbati
16343	Forest tree cropping	AGR/05	**6**	36	12	48	S	2	3rd	Sabatti
16344	Monitoring soil quality	AGR/13	**6**	44	4	48	S	2	3rd	Moscatelli
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	4th	
	Total credits		**120**							

MSc on "Forestry and Environmental Sciences" (two years study plan - starting 2020/21)
Laurea Magistrale in "Scienze Forestali e Ambientali" (CLASSE LM-73)

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 2020/21**
118981	**Monitoring Terrestrial Ecosystems Carbon Cycle (ICOS)**	AGR/05	6	24	24	48	S	1	1st		Papale
17123	**Soil pollution and monitoring**	AGR/13	6	44	4	48	S	1	1st		De Cesare
118982	**Remote sensing in forest resource management**	AGR/05	6	24	24	48	S	1	1st		Barbati
17125	**Urban forestry**	AGR/05	6	44	4	48	S	1	1st		Valentini R
17122	**Phytotechnologies for remediation and improvement of urban environment**		12				M	1			
	Phytotechnologies to protect water and soil in urban areas	AGR/05	6	44	4	48			1st		De Angelis
	Trees and plants to improve air quality of urban areas	AGR/05	6	44	4	48			2nd		*
17126	**Urban hydrology**	AGR/08	6	40	8	48	S	1	2nd		Grimaldi
	SECOND YEAR for UNITUS students - FIRST YEAR for RUDN students										**Active 2021/22**
17124	**Phytopathology and Plant Protection**	AGR/12	6	40	8	48	S	2	3rd		E. Pakina (RUDN)
118544	**Urban ecology**	BIO/07	6	40	8	48	S	2	3rd - 4th		V. Vasenev/ K. Ivaschenko (RUDN)
118545	**Data analysis and statistics**	SECS-S/02	8	56	8	64	S	2	3rd - 4th		V. Vasenev/ K. Ivaschenko (RUDN)
17128	**Landscape design, architecture and city-planning**	ICAR/14	8	56	8	64	S	2	3rd - 4th		Ilya Mochalov (RUDN)
118543	**International regulation in city planning and environmental protection**	SECS-P/06	6	40	8	48	S	2	4th		V. Plyushchikov & M. De Martino (RUDN)
14366	**Free selection of disciplines (AFS) ***		12					1-2	1st - 4th		
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 2nd		
	Total credits		**120**								

Extracurricular subjects, which can be selected to complete the career (as AFS) at UNITUS   **Active 2020/21**

Code	Subjects titles (exams) and modules	SSD	Credits (CFU)	Class activities (hours)	Practical activities (hours)	Total supervised hours	Course type	Year	Semester		Principal Lectures
118985	**Management of forests and agroforest soils**	AGR/14	6	24	24	48	S	*n.a.*	2nd		T. Chiti
118553	**Monitoring Ecosystem Services**	AGR/05	6	24	24	48	S	*n.a.*	2nd		R. Valentini
118654	**Propagation of plants and pathogens control**	AGR/05	6				M	*n.a.*			
	Micropropagation of plants	AGR/05	4	16	16	32		*n.a.*	2nd		E. Kuzminsky
	Pathogens control in plant propagation	AGR/12	2	8	8	16		*n.a.*	2nd		A. Vettraino

Free selection of disciplines (AFS) at RUDN *

Scientific writing skills	6								V. Vasenev/ K. Ivaschenko (RUDN)
Business English	6								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**