

# Transilvania University of Braşov, Romania

## Study program: Forest Ecosystem Management

Faculty: Silviculture and Forest Engineering  
 Study period: 2 years (master)  
 Academic year structure: 2 semesters (14 weeks per semester)  
 Examination sessions (two): winter session (January/February)  
 summer session (June/July)

Courses per years (C= course; S = seminar; L = laboratory; P = project)

### 1<sup>st</sup> Year

No. crt.	Course	Code	1 <sup>st</sup> Semester					2 <sup>nd</sup> Semester					
			C	S	L	P	Cred	C	S	L	P	Cred	
01	Complex Watershed Management	ACBH	2		2		7						
02	Forest and Environmental Regulations	REF	1	2			6						
03	Integrated Management of Forest Pests	MIDF	2		2		7						
04	Advanced GIS Techniques and Concepts	CTAG	1		2		6						
05	Ethics and Academic Integrity	EIA	1		-		2						
06	Forest Policy and Strategy	PSF	1		-		2						
07	Complex Applications of Mathematical Statistics in Silviculture	ACSMS						1		3			7
08	Ecology and Sociology of Indicator Plant Species	ECPI						1		2			6
09	Management and Entrepreneurship in Silviculture	MAS						1		1			6
10	Forest Management Certification	CERTPAD						1		1			6
11	Informational System in Forestry	SINFS						1		1			5
<b>Total course hours per week</b>			<b>8</b>	<b>2</b>	<b>6</b>		<b>30</b>	<b>7</b>	<b>8</b>				<b>30</b>

### 2<sup>nd</sup> Year

No. crt.	Course	Code	3 <sup>rd</sup> Semester					4 <sup>th</sup> Semester					
			C	S	L	P	Cred	C	S	L	P	Cred	
01	Research Activities	PRACT											20
02	Elaboration of the MSc Thesis	DISERT											10
03	<i>Global Climate Changes and Their Consequences</i>	MCGCA	1		-		3						
	<i>Forest Microclimatology</i>	MF											
04	<i>Forest Tree Breeding</i>	SPMAA	2		1		7						
	<i>Conservation of Forest Genetic Resources</i>	RGF											
05	<i>Special Silviculture</i>	SILVSPEC	1		3		7						
	<i>Forest Ecosystem Dynamics</i>	DINECOS											
06	<i>Agro-Forestry Systems</i>	SAPFP	1		2		6						
	<i>Ecophysiology</i>	ECOFIZ											
07	<i>Wild Life Evaluation and Conservation</i>	ECFS	2		2		7						
	<i>National Forest Inventory and Monitoring</i>	MONFOR											
<b>Total course hours per week</b>			<b>7</b>		<b>8</b>		<b>30</b>					<b>15</b>	<b>30</b>