

# 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	1		2		6						
04	Advanced GIS Techniques and Concepts	CTAG	1		2		7						
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			5
10	Forest Protection	PROTPAD						2		-			4
11	Forest Management Certification	CERTPAD						1		1			4
12	Informational System in Forestry	SINFS						1		1			4
Total course hours per week			8	2	6		30	7		8			30

### 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						10 weeks x 15 hours = 160 hours					20
02	Elaboration of the MSc Thesis	DISERT						4 weeks x 15 hours = 64 hours					10
03	Global Climate Changes and Their Consequences	MCGCA	1		-		3						
	Forest Microclimatology	MF											
04	Forest Tree Breeding	SPMAA	2		1		7						
	Conservation of Forest Genetic Resources	RGF											
05	Special Silviculture	SILVSPEC	1		3		7						
	Forest Ecosystem Dynamics	DINECOS											
06	Agro-Forestry Systems	SAPFP	1		2		6						
	Ecophysiology	ECOFIZ											
07	Wild Life Evaluation and Conservation	ECFS	2		2		7						
	National Forest Inventory and Monitoring	MONFOR											
Total course hours per week			7		8		30	15					30