

Transilvania University of Brașov, Romania

Study program: Welding Engineering Advanced Materials

Faculty:	Materials Science and 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)

1st Year

No. crt.	Course	Code	Language of instructions	1 st Semester					2 nd Semester				
				C	S	L	P	Cred	C	S	L	P	Cred
1	Advanced Materials Science	SMSMAV	Romanian	1		1		3					
2	Advanced Materials Engineering	SMIMAV	Romanian	1		1		3					
3	Behavior of advanced materials for welding	SMCMAS	Romanian	2		1		5					
4	Welding processes	SMPRSU	Romanian	2		2		5					
5	Standardization and terminology in welding engineering - English	SMTISE	English	1	1			4					
6	Methods and computer software for welding processes and technologies	SMMPCS	Romanian	2		1		5					
7	Practical activity no. 1	SMPC	Romanian				168	5					
8	Welding related processes	SMPCOS	Romanian						1	2		5	
9	Modern welding sources	SMSMOS	Romanian						2	1		5	
10	Testing and examination methods in welding	SMIMES	Romanian						1	2		5	
11	Construction and design of welded structures	SMCDSS	Romanian						2	2		5	
12	Elements of reliability in welding	SMEFBS	Romanian						2	1		5	
13	Practical activity no. 2	SMPC	Romanian								168	5	

2nd Year