

„ Aurel Vlaicu “University of Arad

Faculty of Engineering

Department: Automation, Industrial Engineering, Textile and Transportation

Domain: Engineering and Management

Master study programme: Engineering and Management of the Complex Technical Systems

Form of education: **Full-time learning - 2 years**

STUDY COURSES WITH RESPECT TO THE ACADEMIC YEARS
valid throughout the academic year 2018-2019
1st YEAR

Course code	Course	Course type	Indiv. study / Sem (h)	Weekly learning hours and evaluation type											
				1 st Semester 14 weeks						2 nd Semester 14 weeks					
				C	S	L	Pr	Ev	K	C	S	L	Pr	Ev	K
	OFFICIALLY COMPULSORY														
CmJA1O01	Computer aided designing CAD /CAM	DA	83	2			1	E	5						
CmJA1O02	Management of total quality	DA	97	1		1		E	5						
CmJA1O03	Shaping, identification and simulation – project of complex systems	DA	97	2				C	5						
CmJT1O04	Project I	DT	86				1	C	4						
CmJA1O05	Strategic Management	DA	83	2	1			E	5						
CmJA1O15	Ethics and Academic Integrity	DA	36	1				C	2						
										C	S	L	Pr	Ev	K
CmJT2O08	Decision systems	DT	108	1	2			E	6						
CmJA2O09	Engineering and technology transfer I	DA	108	2		1		E	6						
CmJA2O10	Economic and financial management	DA	83	2	1			E	5						
CmJT2O12	Project II	DT	97				2	C	5						
CmJA2O15	Practice	DA	90 hours ; 6 h /day; 3 weeks at the end of the second semester										C	4	
TOTAL OFFICIALLY COMPULSORY				8	1	1	2		26	5	3	1	2		26
TOTAL OFFICIALLY COMPULSORY				13C+4 S+2 L+4 Pr					6E+5 C			K 52			
OPTIONAL COMPULSORY															
	Pack 1			C	S	L	Pr	Ev	K						
CmJA1A06	Databases-cercetari operationale	DA	72	1			1	C	4						
CmJA1A07	Adaptive and advanced controll systems														
	Pack 2									C	S	L	Pr	Ev	K
CmJT2A13	Management of socio-technical systems	DT	58	2	-	-	1	E	4						
CmJT2A14	Logistics management														
TOTAL S1 / S2 OPTIONAL COMPULSORY				1	-	-	1	-	4	2	-	-	1	-	4
TOTAL An I OPTIONAL COMPULSORY				3 C+2 Pr					1E+1 C			K 8			
TOTAL COMPULSORY S1 / S2				9	1	1	3	-	30	7	3	1	3	-	30
TOTAL COMPULSORY				14					14						
TOTAL COMPULSORY An I				16C+4 S+2 L+6 Pr					7 E+6 C			K 60			

Rector

Prof.Univ.Dr.Ramona LILE

DEAN

Conf.Dr.Ing. Dan Ovidiu GLĂVAN

HEAD OF DEPARTMENT

Prof.Dr.Ing. Gheorghe SIMA

„ Aurel Vlaicu “University of Arad

Faculty of Engineering

Department: Automation, Industrial Engineering, Textile and Transportation

Domain: Engineering and Management

Master study programme: Engineering and Management of the Complex Technical Systems

Form of education: Full-time learning - 2 years

STUDY COURSES WITH RESPECT TO THE ACADEMIC YEARS
valid throughout the academic year 2018-2019
2nd YEAR

Course code	Course	Course type	Indiv . study / Sem (h)	Weekly learning hours and evaluation type												
				1 st Semester 14 weeks						2 nd Semester 14 weeks						
				C	S	L	Pr	Ev	K	C	S	L	Pr	Ev	K	
CmJT3O01	Risk management	DT	133	1		2		E	7							
CmJA3O02	Unconventional technologies	DA	119	2			2	E	7							
CmJT3O03	Engineering and technology transfer II	DT	97	1	1			E	5							
CmJT3O04	Technological practice (III)	DT	97				2	C	5							
										C	S	L	Pr	Ev	K	
CmJA4O07	Design and management of engineering production systems	DA	97							1	1			E	5	
CmJA4O08	Projects and programs management	DA	108							2			1	E	6	
CmJT4O09	Practice for dissertation paper elaboration	DT	127										7	C	9	
CmJT4O10	Dissertation paper elaboration	DT	222										2	E	10	
TOTAL S1 / S2 OFFICIALLY COMPULSORY					4	1	2	4	-	24	3	1	-	10	-	30
TOTAL An I OFFICIALLY COMPULSORY				7C+2S+2L+14P						6E+2C			K 54			
OPTIONAL COMPULSORY					C	S	L	Pr	Ev	K						
	Pack 1															
CmJA3A05	Responsible management-leadership	DA		1	2			C	6							
CmJA3A06	Managerial communication															
TOTAL S1 / S2 (OPTIONAL COMPULSORY)				1	2	-	-	-	6	-	-	-	-	-	-	-
TOTAL An II (OPTIONAL COMPULSORY)				1 C+2S						1 C			K 6			
TOTAL COMPULSORY S1 / S2				5	3	2	4	-	30	5	1	-	8	-	30	
TOTAL COMPULSORY				14						14						
TOTAL COMPULSORY 2nd YEAR				10C+4 S+2 L+12 P						6 E+3 C			K 60			
FACULTATIVE																
CmJT4O11 Dissertation project support										10						

Rector

Prof.Univ.Dr.Ramona LILE

DEAN

Conf.Dr.Ing. Dan Ovidiu GLĂVAN

HEAD OF DEPARTMENT

Prof.Dr.Ing. Gheorghe SIMA