



Universiteti “Nënë Tereza” - Shkup
Универзитет “Мајка Тереза” - Скопје
“Mother Teresa” University - Skopje

Description of the Study program

<i>Code</i>	<i>I Year Winter semester I</i>				
	Obligatory subjects	Lecture	Exercises	Fund	ECTS
LPM001	Mathematics I	3	2	180	6
LPM002	Engineering Physics	3	2	180	6
FZM001	Engineering materials	3	2	180	6
FZM002	Basics of Electrotechnics I	2	2	180	6
Total O.		11	8	720	24
<i>Election subjects</i>					
LPF0Z1	Technical English language I	1	2	90	3
FZM0Z1	Information technology- advanced skills	2	2	90	3
FZM0Z2	CAD-Technical drawing with computer	2	2	90	3
Total E.		3	4	180	6
Total O.+E.		11+3=14	8+4=12	900	24+6=30

<i>Code</i>	<i>I Year Summer semester II</i>				
	Obligatory subjects	Lecture	Exercises	Fund	ECTS
LPM101	Mathematics II	3	2	180	6
FZM101	Materials in mechatronics	3	2	180	6
FZM003	Statics and material resistance	3	2	180	6
FZM004	3 D engineering	3	2	180	6
Total O.		12	8	720	24
<i>Election subjects</i>					
FZM0Z3	Basics of Electrotechnics II	2	2	90	3
LPF1Z1	Technical English language II	1	2	90	3
FZM1Z1	Computer engineering	2	2	90	3
Total E.		3	4	180	6
Total O.+E.		12+3=15	8+4=12	900	24+6=30



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Code	<i>II Year</i> <i>Winter semester III</i>				
	Obligatory subjects	Lecture	Exercises	Fund	ECTS
FZM005	Electrical measurements	2	2	180	6
FZM006	The basics of programming	2	2	150	5
FZM007	Kinetics and kinematics	3	2	180	6
FZM008	Digital technique	2	2	150	5
Total O.		9	8	660	22
<i>Election subjects</i>					
LPM0Z2	Mathematics III	2	2	90	3
FZM0Z4	Technique of microcomputers	2	2	90	3
FZM0Z5	Databases– Access	2	2	90	3
FZM0Z6	Basics of precision mechanics	2	2	90	3
FZM0Z7	Subject from the general list – MTU	2	1	60	2
Total E.		6	6	240	6+2
Total O.+E.		9+6=15	8+6=14	255+180	22+6+2=30

Code	<i>II Year</i> <i>Summer semester IV</i>				
	Obligatory subjects	Lecture	Exercises	Fund	ECTS
FZM009	Manufacturing technologies in mechatronics I	3	2	180	6
FZM106	Engineering Software	3	2	180	6
FZM010	Mechanical components and constructions	2	2	150	5
FZM011	Mechanical manufacturing	2	2	150	5
Total O.		10	8	660	22
<i>Election subjects</i>					
FZM0Z8	Welding and allied processes	2	2	90	3
FZM0Z9	Sensors and actuators	2	2	90	3
FZM0ZA	Test and control products	2	2	90	3
FZM0ZB	Thermodynamics and thermo-technical devices	2	2	90	3
FZM0ZB	Subject from the general list – MTU	2	1	60	2
Total E.		6	5	240	6+2
Total O.+E.		10+6=16	8+6=14	900	22+6+2=30



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<i>Code</i>	<i>III Year Winter semester V</i>				
	Obligatory subjects	Lecture	Exercises	Fund	ECTS
FZM012	Oscillations	3	2	180	6
FZM109	Manufacturing technologies in mechatronics II	3	2	180	6
FZM013	Technical regulation	2	2	150	5
FZM014	Electrical circuits	3	2	150	5
Total O.		11	8	660	22
<i>Election subjects</i>					
FZM0ZC	Recycling materials	2	2	90	3
FZM0ZD	MEMS systems	2	2	90	3
FZM0ZE	Oriented software development	2	2	90	3
FZM0ZF	Subject from the general list – MTU	2	1	60	2
Total E.		6	6	240	6+2
Total O.+E.		11+6=17	8+6=14	900	22+6+2=30

<i>Code</i>	<i>III Year Summer semester VI</i>				
	Obligatory subjects	Lecture	Exercises	Fund	ECTS
FZM015	Control of processes	2	2	120	4
FZM016	Energy, energy resources	2	2	90	3
FZM017	Professional practice	0	6	150	5
FZM018	Graduate thesis	2	0	300	10
Total O.		6	10	660	22
<i>Election subjects</i>					
FZM0ZG	Environment engineering	2	2	90	3
FZM0ZH	A human- Machine	2	2	90	3
FZM0ZI	Quality management of production	2	2	90	3
FZM0ZJ	Subject from the general list – MTU	2	1	60	2
Total E.		6	6	240	6+2
Total O.+E.		6+6=12	10+6=16	360+180	22+6+2=30