

No. 1

Course syllabus for First cycle studies					
1.	<b>Course title</b>	Electrical engineering			
2.	<b>Code</b>	MDE1M5			
3.	<b>Study Program</b>	Metallurgical digital engineering			
4.	<b>Study program organizer (unit, institute, department, division)</b>	Faculty of Technology and Metallurgy, Ss "Cyril and Methodius" University in Skopje			
5.	<b>Degree (first, second, third cycle)</b>	first			
6.	<b>Academic year / semester</b>	I/1	7.	<b>Number of ECTS</b>	6
8.	<b>Instructors</b>	Prof. d-r Snezana Cundeva, prof. d-r Dimitar Dimitrov			
9.	<b>Prerequisites for course enrollment</b>	none			
10.	<b>Objectives of the course syllabus (competences):</b>  <b>Acquired skills (competences):</b>  <b>Solving specific problems in engineering. Selection and use of electrical engineering devices in engineering practice. Application and basic functioning of electric measuring equipment."</b>				
11.	<b>Content of the course:</b>  Electrostatic field. Steady currents. Kirchhoff's laws. Magnetic field. Sinusoidal currents. Single-phase sinusoidal circuits. Power in sinusoidal circuits. Three-phase circuits. Electrical measurements. Electrical transformers. Direct current machines. Asynchronous machines.				
12.	<b>Study methods: Interactive lectures, exercises (theoretical and/or laboratory)</b>				
13.	<b>Total available time</b>	180			
14.	<b>Allocation of available time</b>	3+2+0			
15.	<b>Teaching activities</b>	15.1.	theory	3	1
		15.2.	exercises	2	

16.	<b>Other types of activities</b>	16.1.				
		16.2.				
		16.3.				
17.	<b>Grading system</b>					
	17.1.	Tests		90		
	17.2.	Homework, Seminar work		10		
	17.3.	Final exam		100		
18.	<b>Grading criteria (points/grade)</b>	Up to 61 points		5 (five) (F)		
		From 61 to 69 points		6 (six) (E)		
		From 70 to 79 points		7 (seven) (D)		
		from 80 to 89 points		8 (eight) (S)		
		From 90 to 95 points		9 (nine) (B)		
		from 95 to 100 points		10 (ten) (A)		
19.	<b>Prerequisites for taking the final exam</b>	Participations at classes				
20.	<b>Language in which lectures are conducted</b>	English				
21.	<b>Method for monitoring the quality of lectures</b>	Self evaluation				
22.	<b>LITERATURE</b>					
	22.1.	Compulsory literature				
		No.	Author	Title	Publisher	Year
		1.	Д. Димитров, С. Чундева, М. Чундева Блајер	Предавања по предметот електротехника	УКИМ-ФЕИТ	2019
		2.				
		3.				
	22.2.	Additional literature				
		No.	Author	Title	Publisher	Year
		1.				
		2.				
		3.				