

No. 2

Course syllabus for First cycle studies					
1.	Course title	General and Inorganic Chemistry 1			
2.	Code	FTM1M2			
3.	Study Program	Clothing Design and Engineering			
4.	Study program organizer (unit, institute, department, division)	Faculty of Technology and Metallurgy, Ss. Cyril and Methodius University in Skopje			
5.	Degree (first, second, third cycle)	First degree			
6.	Academic year / semester	I semester	7.	Number of ECTS	7
8.	Instructors	Prof. Dr. Gordana Ruseska, responsible professor Prof. Dr. Biljana Angjusheva			
9.	Prerequisites for course enrollment	/			
10.	Objectives of the course syllabus (competences):  Acquired skills (competences):				
11.	Content of the course:  Chemistry as a Natural Science Types of Matter Laws for chemical combination of elements by mass Law for chemical combination of elements by volume Gas laws Modern concept of chemical element Atomic and molecular mass Electronic configuration Types of chemical bonds (ionic, covalent and metallic bonds) Thermochemical equations (heat effects of chemical processes) Rate of chemical reaction				
12.	Study methods:				
13.	Total available time				
14.	Allocation of available time				
15.	Teaching activities	15.1.	Lectures	45 hours	
		15.2.	Labotatory and Classroom Exercises	45 hours	
16.	Other types of activities	16.1.	Project Tasks	20 hours	
		16.2.	Independent Tasks	40 hours	
		16.3.	Homework	90 hours	
17.	Grading system				

	17.1.					
	17.2.					
	17.3.					
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) (C)			
		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>					
20.	<b>Language in which lectures are conducted</b>	English				
21.	<b>Method for monitoring the quality of lectures</b>					
22.	<b>LITERATURE</b>					
	22.1.	Compulsory literature				
		No.	Author	Title	Publisher	Year
		1.	N.N. Greenwood A. Earnshaw	Chemistry of the elements (Second Edition) ISBN: 978075063 3659		1997
		2.	Raymond Chang, Jason Overby ISBN:978007 6812141	CHEMISTRY Edition 13	MC graw Hill Education	2018
		3.				
	22.2.	Additional literature				
		No.	Author	Title	Publisher	Year
		1.	A. Smith	Intro- duction to general inorganic chemistry	2012	
		2.				
3.						