ANNOTATION OF DISCIPLINE

1.	Module (discipline)		
	Chemistry 1.2.		
2.	Symbol (code)		DISC.Б.М8
3.	Specialty (OOP)		13.03.02 «Power and Electrical Engineering»
4.	Specialization program		
	« Power supply, Electric and automation Power supply, Electro mechanics»		
5.	Qualifications (degree)		Bachelor
6.	Providing department		General Chemistry and Chemical Department, High Technological Physics Institute
7.	Lecturer:		
	Shiyan Liudmila Nickolaevna	тел. +7 38 22 70-17-77, ext. 5333	E-mail shln@tpu.ru
8.	The results of the development of the module (discipline)		
	The results of discipline will be achieved: **Result No. 1**. The student will demonstrate a knowledge and understanding of the fundamental laws of chemistry and chemical reactions, knowledge of the properties and methods for producing substances. **Result No. 2**. The student will perform stoichiometric calculations; to determine the possibility of thermodynamic chemical processes; to record the reactions of chemical transformations of substances and their preparation; to draw analogies to change the properties of chemical compounds. **Result No. 3**. The student will identify the relationship between the structure, properties and reactivity of chemical compounds. **Result No. 4**. The student will apply this knowledge to determine, formulate and solve problems related to professional activities. **Result No. 5**. The student will independently acquire knowledge and skills related to chemistry issues for professional development.		
9.	The content of the module (discipline) (the list of the main themes / topics)		
	Section 1. Basic laws and concepts of chemistry Section 2: Structure of Matter Section 3. Mechanism of chemical reactions Section 4: Solutions Section 5. Special Chemistry issues Section 6. Electrochemical processes		
10.	Course 1	Semester 2	Amount of credits 3

11.	**Prerequisites**		
	The chemistry course of the school		
12.	**Korrekvizity**		
	1.6 Mathematics, Ecology		
13.	**Certification**	Exam	
	Author:	Shiyan L.N.	