Sample Course Description

Faculty: Natural Sciences

Study program: Biology and Chemistry

Course Title: General chemistry

Course Credits: 10

Language of Instruction: Albanian

Course Description: General chemistry is the subject of characteristic formation. The course provides the student with formative knowledge on the construction of the course: the structure of the atom; the classification of atoms of different elements as well as the formation and properties of molecules. Chemistry also provides knowledge about the chemical reaction: the stoichiometry of the reaction, the rate of development of the reaction, the equilibrium reactions, the reactions between the electrolytes, and the redox reactions. The seminars and laboratories of the course provide students with practical knowledge in solving chemical problems and observing chemical reactions.

Course Goals: While studying general chemistry students are introduced to some of the basic concepts of chemistry: Stoichiometry of compound and chemical reaction. Course structure and classification of elements in the periodic table. Chemical bonding and properties of molecules. Thermochemistry and heat of chemical reactions. Speed of chemical reactions and equilibrium reactions. Solutions, formation, and ways of expressing their concentration. Colligative properties of solutions. Electrolytes and properties of electrolyte solutions. Calculation of pH of solutions, solubility product and formation of complex compounds. Redox reactions and electrochemistry.

Course Requirements: Attendance: Attendance of lectures by the student is optional.
Attendance and settlement of seminars, laboratory sessions, course assignments, colloquia are done in accordance with the study regulation at USh "Luigj Gurakuqi"

Grading: The continuous evaluation during the year is a maximum of 20 points
The exam is evaluated with a maximum of 80 points
The final evaluation of the student is done with a maximum of 100 points in accordance with the regulation of USh "Luigj Gurakuqi"

Course Schedule: 1 lesson, 1 seminar per week first term; 2 lessons 2 seminars for week second term, 1 hour laboratory for week during all academic year