**Course Information**

- **Code**: ENVE 132
- **Course**: General Chemistry

**Mandatory**: X  
**Elective**:  
**Specialization**:  

**Semester**: F X  
**Teaching Units**: 4  
**ECTS**: 5  

**Teaching Hours per week**:  
T 2  
E 1  
L 0

**Instructors**: N. Xekoukoulotakis

**Textbooks (Eudoxus)**: Darrel D. Ebbing, Steven D. Gammon, Περιοδικό Χημεία, Εκδόσεις Τραυλός, 2002


**Notes**: E-class (Presentations – Solved exercises – Exercises)

**Labs**: 
- # of lab exercises:  
- Individual Reports  
- Team Reports  

**Final Grade**:  
- Final Exam 100 %  
- Project  
- Labs  
- Other ( )

**Course Syllabus**:
- Quantum Theory of the Atom, Electronic Structure and Periodicity
- Ionic, Semi-polar and Covalent bonds, Intermolecular forces
- Molecular Geometry
- Atomic and molecular orbitals
- Classification of organic compounds
- Chemical Reactions, Calculations pertaining to Chemical Formulas and Equations
- States of Matter and Solutions
- Acids and Bases and Acid-Base Equilibria
- Redox
- Complexes’ Solubility and Equilibria