

14002_ General Chemistry (II)

Course Description: General Chemistry (II)

Course Information:

Schedule Saturday and Monday, 9:30 – 11:00

Lecturer Dr. Nafiseh Fahimi-Kashani

Email nfahimi@iut.ac.ir

Textbooks:

- **Required:**

1- Principle of General Chemistry_ 2nd Edition_ Silberberg

- **Recommended:**

1- Chemistry_ 5th Edition_ Mortimer

2- Chemistry For Changing Times_14th Edition_ Hill

3- General Chemistry: Principles and Modern Application_11th Edition_ Petrucci

4- Chemistry_10th Edition_Zumdahl

Lectures Coverage:

- 1- The Properties of Solutions
- 2- Kinetics: Rates and Mechanisms of Chemical Reactions
- 3- Equilibrium: The Extent of Chemical Reactions
- 4- Acid-Base Equilibria
- 5- Ionic Equilibria in Aqueous Systems
- 6- Electrochemistry: Chemical Change and Electrical Work
- 7- The Transition Elements and Their Coordination Compounds
- 8- Nuclear Reactions and Their Application

Evaluation:

	Points (%)
Final Exam	40
Midterm Exam	30
Participation in TA classes and assignments	10
Quizzes	10
Attendance	10