

## SAMPLE

### General Chemistry (*course name*)

#### I. Target students

Student category:  Graduate students  Undergraduate students  Both

Discipline: \_\_\_\_\_

#### II. Basic Information

General Chemistry is composed of general theoretical chemistry and experiment. The general chemical theory introduces the basic theories and knowledge, including solution and colloid, foundation of chemical kinetics and chemical thermodynamics, 4 chemical equilibriums, atomic and molecular structures; general chemistry experiments supplement general chemical theory and helps deepen understanding of general chemical theory, focusing on basic operation and skill practice, nature of substance and chemical reaction rules, measurement of characteristic constants of substance, individual design and comprehensive experiments. (*basic content of the course*)

By learning the course, students are expected to master the basic knowledge, theory and skills of modern chemistry, apply such knowledge to scientific research and production, develop precise, careful, realistic style of work and basic ability to analyze, solve problems, lay good foundation for their following-up course study and independent work. (*course objective*)

#### III. Contents (*outline of the course*)

**Introduction** (development and important function of chemistry, object and content of general chemistry, relationship between chemistry and other major courses, nature, mission and learning methods of general chemistry) (chapter name and content)

**Section One: Solution** (concept, classification and characteristics of disperse system, composing scales of solution, colligative properties of solution, introduction of strong electrolyte solution, application of colligative properties of solution) (theme and content)

**Section Two: *Colloid and lactescence*** (colloid, surface active agent and its application, lactescence, application of colloid and lactescence) (theme and content)

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#### **IV. Evaluation and examination**

*Please describe how you will evaluate students' performance.*

*For final score, please use 100% grading system:*

*Reference:*

*90-100 = A*

*80-89 = B*

*70-79 = C*

*60-69 = D*

*<60: F*