**SAMPLE**

**General Chemistry** *(course name)*

**I. Target students**

Student category: □Graduate students □Undergraduate students □Both

Credit: □1 credit □2 credits

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

**II. Course cost:** **US$**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**III. 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)*

**IV. 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)

**…**

**…**

**…**

**V. Course video format description**

(preferably with English subtitle incorporated or attached)

*Definition:*

*Size:*

*File type:*

**VI. Course material description**

*Please indicate if the course you are providing also includes Power Point Slides / Textbook PDF / Exam or Essay questions, or other materials.*