



## Course syllabus

Faculty of Health and Life Sciences

Department of Chemistry and Biomedical Sciences

1KE911 Allmän kemi 2, 7,5 högskolepoäng

General Chemistry 2, 7.5 credits

### **Main field of study**

Chemistry

### **Subject Group**

Chemistry

### **Level of classification**

First Level

### **Progression**

G1F

### **Date of Ratification**

Approved 2009-07-24

Revised 2013-12-17 by Faculty of Health and Life Sciences.

The course syllabus is valid from spring semester 2014

### **Prerequisites**

7,5 hp General Chemistry or equivalent

## Objectives

To acquire basic understanding and knowledge of chemical processes as well as the necessary knowledge of chemical terminology both in English and Swedish

## Content

In connection with realistic applications basic chemical phenomena will be elucidated and explained. The following elements will be included:

- Chemical equilibrium
- Acids and bases
- Buffers
- Electrochemistry
- Chemical kinetics
- Non-metal chemistry
- Metals and their reactions

## Type of Instruction

The teaching takes the form of distance teaching by self study and group exercises, including joint meetings (on three different occasions) with lectures and laboratory work. Participation in the joint meetings is compulsory

## Examination

The course is assessed with the grades Fail (U), Pass (G) or Pass with Distinction

(VG).

The assessment is based on submitted reports and the oral or written presentation of compulsory assignments.

### Course Evaluation

When the course has finished, an evaluation is compiled. The results are reported to the students and then archived according to the rules of the school.

### Required Reading and Additional Study Material

#### **Required reading**

Atkins P, & Jones L. (2013) *Chemical Principles, The Quest for Insight*. Freeman, 6th edition. 370 p.