



Faculty of Science

## KEMS12, Chemistry: Special Course, 15 credits

*Kemi: Specialkurs, 15 högskolepoäng*

Second Cycle / Avancerad nivå

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### Details of approval

The syllabus was approved by Study programmes board, Faculty of Science on 2018-11-23 to be valid from 2018-11-23, spring semester 2019.

### General Information

The course is an elective second-cycle component of a Master of Science (120 credits) degree in Chemistry, Protein Science and Organizing Molecular Matter.

*Language of instruction:* English

*Main field of studies*

Chemistry

*Depth of study relative to the degree requirements*

A1N, Second cycle, has only first-cycle course/s as entry requirements

### Learning outcomes

The aim of the course is to enable students to acquire specialised and complementary knowledge within a subject-specific subarea.

#### Knowledge and understanding

On completion of the course, the students shall be able to

- present specialised subject knowledge and account in detail for the current state of knowledge in the subject area

#### Competence and skills

On completion of the course, the students shall be able to

- independently search for and compile advanced information in a specific subject area in chemistry
- summarise a specific subject area based on knowledge acquired through independent study of advanced chemical literature
- present a summary of a specific subject area in chemistry, orally and in writing

### **Judgement and approach**

On completion of the course, the students shall be able to

- critically analyse published articles and other literature in the subject area

### **Course content**

The course deals with a subarea in chemistry, the focus and exact content of which are determined by the student and examining instructor/s in consultation.

### **Course design**

The teaching consists of independent study with some teacher support. The student is expected to participate in seminars and other teaching of relevance to the independent study. A written report and an oral presentation are compulsory components.

### **Assessment**

The assessment is based on a written report and an oral presentation at the end of the course.

The examiner, in consultation with Disability Support Services, may deviate from the regular form of examination in order to provide a permanently disabled student with a form of examination equivalent to that of a student without a disability.

*Subcourses that are part of this course can be found in an appendix at the end of this document.*

### **Grades**

Marking scale: Fail, Pass, Pass with distinction.

For a grade of Pass on the whole course, the student must have passed the written report and the oral presentation.

The final grade is determined by a weighted aggregate of the results of the written report and the oral presentation.

### **Entry requirements**

To be admitted to the course, students must meet the general entry requirements for higher education and requirements for English proficiency corresponding to English 6 from Swedish upper secondary school, and have passed 90 credits in science courses including courses in chemistry comprising 60 credits.

### **Further information**

The course may not be included in a degree together with KEMS02 Chemistry: Special Course 2, 15 credits.

## Subcourses in KEMS12, Chemistry: Special Course

Applies from V19

1901 Special Course, 15,0 hp  
Grading scale: Fail, Pass, Pass with distinction