COURSE SYLLABUS

Kemi, miljöstörningar och hälsa G1N
Chemistry and Impacts on Environment and Health G1N
7.5 credits

1 Name, Scope and Level of the Course
The course is provided by the University of Skövde and is named Chemistry and Impacts on Environment and Health G1N. It comprises 7.5 credits and is on basic level. The level of progression of the course is G1N.

2 Objectives
After completed course the student should be able to:

- explain central chemical terms,
- describe the basic theory behind chemical reactions and chemical equilibrium,
- describe the properties of acids and bases and the function of different buffer systems,
- perform simple stoichiometric calculations and use these skills in the laboratory,
- discuss and argue how natural and anthropogenic chemical substances, reactions and processes can be a threat to our environment or health.

3 Course Content
The course aims to provide fundamental knowledge in chemistry. The course will also give an increased understanding of natural and anthropogenic chemical substances, their reactions and processes in our environment and body and their consequences on our environment and health. The course provides a basis for upcoming courses in bioscience.

4 Forms of Teaching
The teaching comprises lectures, laboratory sessions, seminars/group discussions and exercises.

Depending on the study period, the language of tuition may be Swedish or English. Even if the teaching is conducted in Swedish, some English may still occur.

5 Examination
The course is graded A (Excellent), B (Very good), C (Good), D (Satisfactory), E (Sufficient) or F (Fail).

Registration of examination results:

<table>
<thead>
<tr>
<th>Name of examination</th>
<th>Credits</th>
<th>Grading</th>
</tr>
</thead>
<tbody>
<tr>
<td>Written examination</td>
<td>5.5</td>
<td>A/B/C/D/E/F</td>
</tr>
<tr>
<td>Seminars</td>
<td>1</td>
<td>G/U</td>
</tr>
<tr>
<td>Laboratory assignment</td>
<td>1</td>
<td>G/U</td>
</tr>
</tbody>
</table>

1 Determines the final grade of the course.

Students with a permanent disability who have been approved for special educational support may be offered adapted or alternative examinations.

6 Admission Requirements
The special prerequisite for this course, besides basic eligibility for university studies, is field eligibility A14/15: Civics 1b / 1a1 +1a2, Mathematics 2a / 2b / 2c, Science studies 2 or Civics A, Mathematics B, Science studies B (or the equivalent).
Subject, Main Field of Study and Disciplinary Domain

The course forms a part of the academic subject area of Chemistry. The course is not a part of any main field of study at the University of Skövde. The disciplinary domain of the course is Natural Sciences.

Every course at the University of Skövde belongs to a subject. The division of subjects is used for follow-up and quality assurance. A main field of study is an area in which a degree can be awarded. Disciplinary domain is a division which is used by the government for the allocation of resources for studies at basic level and advanced level.

Approval of Course and Course Syllabus

The course was approved by the Curriculum Committee for Bioscience on 30 November 2017. This course syllabus was approved by the Curriculum Committee for Bioscience on 16 March 2018. It is valid from 1 July 2018 and replaces the course syllabus approved 22 February 2018.

Overlapping with Another Course

This course cannot constitute a part of a degree also containing a course the content of which is totally or partly equivalent to the content of this course, e.g. General Chemistry G1N 7.5 credits, Organic and Physical Chemistry G1F 7.5 credits, Environmental Chemistry for Teachers G2F 15 credits.

Additional Information

Further information will be available on the university’s website before a course is given.

National and local regulations for higher education are available on the university’s website.

Upon completion of the course there will be a follow-up. The main purpose of this follow-up is to contribute to improvements of the course. The students’ experiences and views constitute one of the criteria for the follow-up and are gathered by means of course evaluations. The students will be informed of the results of the follow-up and any decisions regarding actions that are to be taken.

Course Literature and Other Educational Materials


Lecture material