



LTH

FACULTY OF
ENGINEERING

Course syllabus

Naturvetenskapligt basår: Kemi 2 Pre-University Course in Natural Sciences: Chemistry 2

TBAB10, 8 credits, G1 (First Cycle)

Valid for: 2023/24

Faculty: Faculty of Engineering, LTH

Decided by: PLED TB

Date of Decision: 2023-04-19

General Information

Compulsory for: TNB1-NABA

Language of instruction: The course will be given in Swedish

Aim

The purpose of the course is to complement an upper secondary school education in Chemistry 2.

Learning outcomes

Knowledge and understanding

For a passing grade the student must

Does not exist in this form.

Competences and skills

For a passing grade the student must

Does not exist in this form.

Judgement and approach

For a passing grade the student must

Does not exist in this form.

Contents

- Reaction kinetics and chemical equilibrium
- Organic chemistry (classes of organic molecules och reaction mechanisms)
- Biochemistry (molecules of life, metabolism, proteins, nucelic acids)
- Analytical chemistry (spectroscopy, chromatography)

Examination details

Grading scale: UG - (U,G) - (Fail, Pass)

Assessment: Written exam and passed laboratory works.

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.

Parts

Code: 0120. **Name:** Chemistry 2, Written Exam.

Credits: 6. **Grading scale:** UG. **Assessment:** Written exam.

Code: 0220. **Name:** Chemistry 2, Laboratory Works.

Credits: 2. **Grading scale:** UG. **Assessment:** Passed laboratory works.

Admission

The number of participants is limited to: No

Reading list

- Andersson m fl: Gymnasiekemi 2. Liber, 2013, ISBN: 9789147107308.

Contact and other information

Course coordinator: Viveka Alfredsson, viveka.alfredsson@chem.lu.se

Course coordinator: Sophie Manner, sophie.manner@chem.lu.se

Course homepage: <http://www.naturvetenskap.lu.se/>

Further information: The scope for this course is expressed in access education credits (fup).