COURSE SYLLABUS

Hållbar utveckling för ingenjörer II G1F
Sustainable Development for Engineers II G1F
3 credits

1 Name, Scope and Level of the Course
The course is provided by the University of Skövde and is named Sustainable Development for Engineers II G1F. It comprises 3 credits and is on basic level. The level of progression of the course is G1F.

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

- explain how the Swedish environmental legislation is structured and also explain the purpose and main features of the Swedish Environmental Code,
- discuss international legislation and other types of regulatory and accountability issues of relevance for sustainable development,
- explain the concept of life cycle assessment as well as discuss the possibilities and limitations of technology to solve environmental problems,
- discuss the concept of social sustainability and how it can be used to create an attractive workplace.

3 Course Content
The course builds on the introduction course "Sustainable development for engineers I" and focuses on three areas that engineers in leading positions can come to encounter in work life. The course highlights environmental legislation and other types of international regulations and responsibility issues that may be of relevance to sustainable development. The theoretical foundation behind life cycle analysis is illustrated by discussions about, among other things, the life cycle of the production systems, material selection, quality assurance, etc. Finally, equality, gender equality and background diversity are discussed in the perspective of workplace design.

4 Forms of Teaching
The teaching comprises lectures and seminars.

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>Supervised examination</td>
<td>2 credits</td>
<td>A/B/C/D/E/F</td>
</tr>
<tr>
<td>Seminars</td>
<td>1 credits</td>
<td>G/U</td>
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</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
Prerequisite courses for this course are: Passed courses: BV103G-Sustainable Development for Engineers I G1N (or the equivalent).
7 **Subject, Main Field of Study and Disciplinary Domain**

The course forms a part of the academic subject area of Bioscience. The course is a part of the main field of study in Bioscience 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.

8 **Approval of Course and Course Syllabus**

The course was approved by the Curriculum Committee for Bioscience on 24 May 2018. This course syllabus was approved by the Curriculum Committee for Bioscience on 28 February 2019. It is valid from 1 July 2019 and replaces the course syllabus approved 24 May 2018.

9 **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.

10 **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.

11 **Course Literature and Other Educational Materials**

Scientific articles and other texts provided by the teachers.