1 Name, Scope and Level of the Course
The course is provided by the University of Skövde and is named Efficient Workflows G1F. It comprises 6 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:
- describe the lean philosophy, its principles and importance for operations development,
- describe and analyze a value flow,
- use basic production technician improvement and analysis tools,
- synoptical describe production logistics basics,
- perform written citations,
- highlight gender equality in industrial manufacturing,
- list connections between sustainability and efficient workflows.

3 Course Content
The course focuses production flow, with the starting point in current and future value flow. To the value flow production logistic terms and sustainability are connected. The lean philosophy, improvement tools and the usage of them are also described in the course. Some examples of production technician and logistical concepts that the course covers are: value adding/non-value adding, push/pull, time concepts, kanban/supermarket, delivery precision and flow efficiency. The production flow is put is related to aspects on gender equality and sustainability.

4 Forms of Teaching
The teaching comprises seminars/group discussions and workshops. A study visit will be part of the course.

The teaching is conducted in Swedish. Some teaching in English may occur.

5 Examination
The course is graded A (Excellent), B (Very good), C (Good), D (Satisfactory), E (Sufficient) or F (Fail). The final grade on the course is determined by the results of the exam. To receive final grade A or grade B, it is required that the assignment is assessed with grades Pass with Distinction.

Registration of examination results:

<table>
<thead>
<tr>
<th>Name of examination</th>
<th>Credits</th>
<th>Grading</th>
</tr>
</thead>
<tbody>
<tr>
<td>Supervised written examination</td>
<td>3 credits</td>
<td>A/B/C/D/E/F</td>
</tr>
<tr>
<td>Written assignment</td>
<td>3 credits</td>
<td>VG/G/U</td>
</tr>
</tbody>
</table>

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: PR012G-Production Engineering Basic’s G1N (or the equivalent).
7 Subject, Main Field of Study and Disciplinary Domain
The course forms a part of the academic subject area of Industrial Engineering. The course is a part of the main field of study in Industrial Engineering at the University of Skövde. The disciplinary domain of the course is Technology.

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 Engineering Science on 4 December 2017. This course syllabus was approved by the Curriculum Committee for Engineering Science on 4 May 2020. It is valid from 1 July 2020 and replaces the course syllabus approved 4 December 2017.

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

Main literature

Reference


