COURSE SYLLABUS

Kognitiv ergonomi A1F
Cognitive Ergonomics A1F
6 credits

Course Code: VP709A
The Course Syllabus is valid from: 1 January 2019
Date of Approval: 4 June 2018
Version Number: 3

1 Name, Scope and Level of the Course
The course is provided by the University of Skövde and is named Cognitive Ergonomics A1F. It comprises 6 credits and is on advanced level. The level of progression of the course is A1F.

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

Knowledge and understanding

- describe cognitive science and psychology research and how it can be related to a plausible future working role,
- describe and analyse methods in cognitive ergonomics.

Skills and abilities

- apply cognitive science and psychology research to situations that relate to a plausible future working role,
- critically discuss and apply methods within cognitive ergonomics.

Judgment and approach

- argue the role that cognitive ergonomics might play in the product realization process.

3 Course Content
The course mainly contains analysis and application of cognitive science, cognitive psychology research and cognitive ergonomics to the product realization process. The course will be centered around literature concerning the application of cognitive science and psychology for the students to analyze based on their future working roles. They also identify plausible situations where cognitive ergonomics has an effect on performance and results. Furthermore, a number of methods and tools will be analyzed and applied in a group project to a product realization setting.

4 Forms of Teaching
Teaching will mainly consist of seminars and group discussions with student presentations of the literature.

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).

Registration of examination results:

<table>
<thead>
<tr>
<th>Name of examination</th>
<th>Credits</th>
<th>Grading</th>
</tr>
</thead>
<tbody>
<tr>
<td>Presentation</td>
<td>3 credits</td>
<td>G/U</td>
</tr>
<tr>
<td>Project presentation</td>
<td>3 credits</td>
<td>A/B/C/D/E/F</td>
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</tbody>
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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 prerequisite for this course are a Bachelor degree of at least 180 higher education credits (equivalent to 180 ECTS) within the fields of integrated product development or production engineering or automation engineering or mechanical engineering or information technology or similar and passed courses Industrial Ergonomics A1N and VP707A Scientific Theory in Informatics.

A further requirement is proof of skills in English equivalent of studies at upper secondary level in Sweden, known as English course 6 / English course B. This is normally demonstrated by means of an internationally recognized test, e.g. IELTS or TOEFL or the equivalent.

7 Subject, Main Field of Study and Disciplinary Domain
The course forms a part of the academic subject area of Virtual Product Realization. The course is a part of the main field of study in Virtual Product Realization at the University of Skövde. The course can also be a part of the main field of study in Informatics. 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 5 March 2018. This course syllabus was approved by the Curriculum Committee for Engineering Science on 4 June 2018. It is valid from 1 January 2019.

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 will be available at the start of the course.