1 Name, Scope and Level of the Course
The course is provided by the University of Skövde and is named Data Driven Decision-making A1F. It comprises 7.5 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:
- in detail account for the importance of designing decision support systems with knowledge of human decision making in mind,
- describe and discuss central concepts regarding human decision making,
- analyse and reflect upon the importance of decision support transparency, and
- actively engage in discussions on the latest research questions within the area.

3 Course Content
The course highlights usability aspects when designing data-driven decision support systems. The central issue is how autonomous decision support systems can be made more transparent to its users. The course thus incorporates disciplines such as theories of human decision-making, interaction and information design, information visualization and human-computer interaction. The course comprises both theoretical and practical parts where the student will be given an opportunity to immerse within a chosen subject.

4 Forms of Teaching
The teaching comprises lectures, project work and seminars/group discussions.

The teaching is conducted in English.

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>Seminars</td>
<td>1.5</td>
<td>G/U</td>
</tr>
<tr>
<td>Individual assignments</td>
<td>6</td>
<td>A/B/C/D/E/F</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
Prerequisite courses for this course are: Passed courses: IT740A-Visual Data Analysis A1N (or the equivalent).

7 Subject, Main Field of Study and Disciplinary Domain
The course forms a part of the academic subject area of Informatics. The course is a part of the main field of study in Informatics 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 Informatics on 8 February 2018. This course syllabus was approved by the Curriculum Committee for Informatics on 14 November 2019. It is valid from 1 July 2020 and replaces the course syllabus approved 8 February 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 indicated on the course website.