UNIVERSITY OF SKÖVDE

TRANSLATION FROM SWEDISH

COURSE SYLLABUS

User Centred Design G2F

6 credits

Course code: IP504G
Version number: 9
Valid from: 1 July 2024
Ratified by: Curriculum Committee for Engineering Science
Date of ratification: 8 February 2024

1. General information about the course

The course is provided by the University of Skövde and is named User Centred Design G2F (Användarcentrerad design G2F). It comprises 6 credits and is a first-cycle course. The level of progression is G2F.

The course is a part of the main field of study in Product Design Engineering. The course is a part of the subject of Integrated Product Development. The disciplinary domain of the course is Design.

2. Entry requirements

The course has the following entry requirements: passed IP343G Human Centred Design G1F and passed IP345G Industrial Design G1F (or the equivalent).

3. Course content

The course aims to give an introduction to methods and strategies linked to a user-centered design process. The practical orientation of the course with focus on users includes the collection and analysis of the needs of the target group, participatory design methods, evaluation of design proposals with user tests and prototype development, etc. Central to the course is to develop concepts and prototypes with direct link to user test results, but also to use an iterative design process based on prototype, test and analysis.

4. Objectives

After completed course the student should be able to:

Knowledge and understanding

- account for methods and strategies linked to a user-centered design process,

Competence and skills

- plan and implement a design projects by applying methods and strategies for user-centered design,
- carry out analyzes of user studies and tests and develop relevant design proposals,

Critical judgement and approach

- reflect on how the collaboration within the project group has affected the outcome of the design project,
- reflect on the balance and outcome of implemented convergent and divergent design methods in the design project.

5. Examination

The course is graded A (Excellent), B (Very good), C (Good), D (Satisfactory), E (Sufficient) or F (Fail).

The final grade determines by the weighing of the results for examination.

The examinations of the course consist of the following modes of assessment:

- **Individual assignment**
  1 credit, grades: A/B/C/D/E/F
- **Project presentation**
  5 credits, grades: A/B/C/D/E/F

Students with a permanent disability who have been approved for directed educational support may be offered adapted modes of assessment.

6. Types of instruction and language of instruction

The teaching is comprised of exercises, lectures, project work, seminars/group discussions and supervision.

The teaching is conducted in English.

7. Course literature and other educational materials

Eikhaug O. et al (2010). *Innovating with People - The Business of Inclusive Design* (1st). Oslo: Norsk Designråd. ISBN 9788299185226.

Reference literature

Arvola, M. (2014). *Interaktionsdesign och UX – om att skapa en god användarupplevelse*. Lund: Studentlitteratur. ISBN 978-91-44-09764-0.

IDEO (2003). *Method Cards*. San Francisco: William Stout Architectural Books. ISBN 0-9544132-1-0.

ISO/TS 20282-2 (2013). *Usability of consumer products and products for public use - Part 2: Summative test method*.

Norman, D (2002). *The Design of Everyday Things* (First Basic paperback ed.). New York: Basic books. ISBN 0465067107.

Pheasant, S. & Haslegrave, C.M. (2005). *Bodyspace: Anthropometry, Ergonomics and the Design of Work* (3th ed). London: Taylor & Francis. ISBN 0415285208.

Preece, J., Rogers, Y. & Sharp, H. (2016). *Interaktionsdesign: bortom människa-dator-interaktion*. Lund: Studentlitteratur. ISBN 9789144092072.

Wikberg-Nilsson Å., Törlind P. & Ericson Å. (2015). *Design: Process och metod* (1:a upplagan). Lund: Studentlitteratur AB. ISBN 9789144108858.

8. Student influence

Student influence in the course is ensured by means of course evaluation. The students are informed about the results of the evaluation and potential measures that have been taken or are planned, based on the course evaluation.

9. Additional information

Further information about the course, as well as national and local governing documents for higher education, is available on the website of the University of Skövde.