



## Course syllabus

Faculty Board of Business, Economics and Design

School of Design

1DI207 Produktutveckling och produktionsprocesser, 9 högskolepoäng

1DI207 Product Development and Production Processes, 9 credits

### **Main field of study**

Design

### **Subject Group**

Design

### **Level of classification**

First Level

### **Progression**

G1F

### **Date of Ratification**

Approved 2009-06-24

Revised 2011-06-14 by School of Design.

The course syllabus is valid from autumn semester 2011

### **Prerequisites**

At least 52 credits in design, or equivalent.

## Objectives

At the end of this course, students will have developed the skills to independently distinguish, formulate, problematize and initiate new issues which are relevant to the product development process. Students will have developed the necessary study skills to search for and assess skills, on the basis of fundamental scientific and artistic knowledge.

### **Knowledge and understanding**

Students will be able to:

- demonstrate fundamental knowledge about product development and production processes
- reflect on product development and production processes, and their effect on the design
- critically review product development and production processes as a tool in the design process

### **Ability and skills**

Students will be able to:

- select an appropriate production method for a given form, and an appropriate form for a given production method
- describe their reflections in relation to product development and production processes

### **Evaluation ability and attitude**

Students will be able to:

- critically review and see the relationships between various design principles and the product development phase

## **Content**

The course consists of two modules.

### ***Module 1 Product Development I and processes 3 credits***

Fundamental product development and production processes.

### ***Module 2 Product Development and processes II and processes 6 credits***

Deeper studies in product development and production processes.

## **Type of Instruction**

The course includes theoretical information, lectures, visits and practical workshops in groups, as well as individual tuition. Compulsory attendance during scheduled course elements.

## **Examination**

The course is assessed with the grades Fail (U), Pass (G) or Pass with Distinction (VG).

For the Pass grade, the expected study results must be achieved.

Examination is carried out in the form of a presentation of an object assignment and a workbook, where the assessment is based on the five dimensions of the workbook. Each dimension may be awarded 1-7 points. The following grades are used: Pass with Distinction (28-35 points), Pass (13-27 points) or Fail (0-12 points).

Re-examination is offered within 6 weeks, within the framework of the regular term schedule. The number of examination opportunities is limited to five.

## **Course Evaluation**

A course evaluation will be carried out at the end of the course, in accordance with the guidelines of Linnaeus University. The evaluation result is compiled into a course report, which is archived at the school's administration office and discussed by the programme board. The result of the evaluation, and any measures taken, will be discussed with the course co-ordinator and presented to the students at the next course meeting.

## **Required Reading and Additional Study Material**

### **Required reading**

Taavola, Karl (2009) *Ritsteknik 2000 faktabok* Athena lär. ISBN 9789188816214

### **Reference literature**

Andersson, Audell, Giertz, Reitberger *Produktion* Norstedts juridik. ISBN:91-38-

50120-1

Danielsson, Märta-Stina (red) (1991) *Svenskt Glas* W&W. ISBN: 9146168206

Flygt, Elisabeth (red) (2005) *Boken om glas* Glafo. ISBN: 91-631-6256-3

Mattsson, S. *Fakta om material*. Liber. ISBN: 91-47-00421-5

Schmid, Edward T. (2005) *Beginning Glassblowing* Glass Mountain Press. 0963872826

Schmid, Edward T. (1997) *Advanced Glassworking Techniques* Glass Mountain Press.  
0963872818

Sveriges Verkstadsindustrier, *Konstruera i plast*. ISBN 9175484625.

Sjöberg, Staffan *Grundbok Teknik*. Natur & Kultur. ISBN: 91-27-60570-1