Blekinge Institute of Technology
Department of Mechanical Engineering

COURSE SYLLABUS

Datorstöd inom Konstruktion 2

Computer Aided Design, part 2

7,5 ECTS credit points (7,5 högskolepoäng)

Course code: MT1440
Educational level: First cycle
Course level: G1F
Field of education: Technology
Subject group: Mechanical Engineering

Subject area: Mechanical Engineering
Version: 15
Applies from: 2013-07-01
Approved: 2013-04-30

1 Course title and credit points
The course is titled Computer Aided Design, part 2/Datorstöd inom Konstruktion 2 and awards 7,5 ECTS credits. One credit point (högskolepoäng) corresponds to one credit point in the European Credit Transfer System (ECTS).

2 Decision and approval
This course is established by Department of Mechanical Engineering 2013-04-30. The course syllabus was revised by School of Engineering and applies from 2013-07-01.
Reg.no: BTH 4.1.1-0342-2013.
Replaces MT1208.

3 Objectives
During the course the student obtain knowledge of how modern systems for construction work and product development are used, moreover so when creating complex surface and solid models.

4 Content
The course contains of among others following elements:
• Introduction
• Review of methods for creating surface and solid models
• Choosing method and practical application exercises. Collision detection and simple motion simulation

5 Aims and learning outcomes
On completion of the course the student will be able to:
•evaluate and choose suitable methods, depending on field of application.
•create a complex surface and solid models with varying design in a modern CAD system.

6 Generic skills

7 Learning and teaching
Distance course.
Swedish

8 Assessment and grading
Examination of the course

Code	Module	Credit	Grade
	Assignment 1	1 ECTS	G-U
	Assignment 2	1 ECTS	G-U
	Assignment 3	1 ECTS	G-U
	Assignment 4	1 ECTS	G-U
	Written examination	3.5 ECTS	A-F

The course will be graded A Excellent, B Very good, C Good, D Satisfactory, E Sufficient, FX Fail, supplementation required, F Fail.If grade Fx are given, the student may after consultation with the course coordinator / examiner get an opportunity to within 6 weeks complement to grade E for the specific course element.

9 Course evaluation
The course coordinator is responsible for systematically gathering feedback from the students in course evaluations and making sure that the results of these feed back into the development of the course.

10 Prerequisites
Basic qualifications and completed basic course, MT1101 Computer Aided Design and Drawing Standards, part 1 (or equivalent).

11 Field of education and subject area
The course is part of the field of education and is included in the subject area Mechanical Engineering.

12 Restrictions regarding degree
The course cannot form part of a degree with another course, the content of which completely or partly corresponds with the contents of this course.

13 Additional information
Equipment requirements:
Computer with broadband connection (min 500 kbit/s). Headset and web camera

14 Course literature and other teaching material
Exercise material from learning management system.
• Exercise examples concluded in the software help function.
• CAD software is downloaded from supplier for application in own personal computer.
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