



COURSE SYLLABUS

CAD-Solid Modelling, Basic Level Modelling, 7.5 credits

CAD - Grundläggande solidmodellering, 7,5 högskolepoäng

Course Code:	TCSA17	Education Cycle:	First-cycle level
Confirmed by:	Dean Dec 18, 2009	Disciplinary domain:	Technology (95%) and social sciences (5%)
Revised by:	Director of Education Apr 23, 2015	Subject group:	MT1
Valid From:	Aug 1, 2015	Specialised in:	G1N
Version:	2	Main field of study:	Mechanical Engineering
Reg number:	JTH 2015/1552-313		

Intended Learning Outcomes (ILO)

This course should provide the student with the following skills;

- Knowledge about different ways of geometrical representation
- The ability to independently use a solid modelling software
- The ability to create parts and assemblies
- The ability to use neutral file formats
- The ability to independently create drawings from solid models
- The ability to conduct projects/assignments and present CAD models

Contents

To give the student a basic CAD knowledge that can be used within the field of product development. The course gives an introduction to technical terms and methodology related to solid modelling. The main focus in the course is to offer practical training in solid modelling with SolidWorks or Pro/ENGINEER (or an equivalent software).

The course is given in English and contains the following;:

- Geometrical representation
- Neutral CAD file formats
- Technical terms and methodology related to solid modelling of parts
- Assemblies of parts
- Drawings of parts/assemblies
- Photo rendering
- Mechanisms/CAE
- Project tasks/hand in assignments

Type of instruction

Lectures, computer room laborations, hand in assignments/projects. Lectures are conducted during evenings.

The teaching is conducted in English.

Prerequisites

General entry requirements.

Examination and grades

The course is graded Fail (U), 3, 4 or 5.

Registration of examination:

Name of the Test	Value	Grading
Examination ¹	3 credits	U/3/4/5
Assignments	4.5 credits	U/G

¹ Determines the final grade of the course, which is issued only when all course units have been passed.

Course literature

The literature list for the course will be set one month before the course starts

SolidWorks Curriculum tutorials cd