LINKÖPINGS
UNIVERSITET

Design and Product Development

300 credits

Civilingenjör i design och produktutveckling

6CDPU

Valid from:

Determined by
Board of Studies for Mechanical
Engineering and Design

Date determined

Entry requirements

Degree in Swedish

Civilingenjör 300 hp och Teknologie master 120 hp

Curriculum

Semester 8 (Spring 2017)

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TDDD51	Service Design and Innovation	6	A1X	3	E
TDDE03	Design Studio II	12*	A1F	4	E
TEIE06	Corporate Planning	6*	A1X	-	E
TEIM09	International Business	6	A1X	2	E
TEIO13	Leadership and Organizational Change	6	A1X	4	E
TKMJ34	Product Development Methodology	6*	A1X	2	E
TMKA04	Wood - Innovation	6	A1X	1	E
TMKT48	Design Optimization	6	A1X	3	E
TMKT74	Advanced CAD	6	A1X	1	E
TMMS21	Mechatronics	6	G2X	1	E
TPPE54	Advanced Planning and Scheduling	6	A1X	1	E
TMPP02	Project Course - Race Vehicle Engineering	6*	G2X	-	V
Period 2					
TDDE03	Design Studio II	12*	A1F	4	E
TDEI21	Strategic Organisational Application of IT - Workflow and Knowledge Management	6	A1X	4	E
TEIE06	Corporate Planning	6*	A1X	-	E
TEIO06	Innovative Entrepreneurship	6	A1X	2	E
TKMJ29	Resource Efficient Products	6	A1X	1	E
TKMJ34	Product Development Methodology	6*	A1X	2	E
TMKM18	Engineering Materials, Welding and Manufacturing Technology	6	G2X	2	E
TMKT57	Product Modelling	6	A1X	3	E
TMKT69	Conceptual Design - Project Course	6	A1N	4	E
TMPS27	Production Systems	6	A1X	3	E
TPPE19	Analysing and Improving Manufacturing Operation	6	A1X	4	E
TMPP02	Project Course - Race Vehicle Engineering	6*	G2X	-	V

Specialisation: Product Development - Design Engineering

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TDDE03	Design Studio II	12*	A1F	4	C
TKMJ34	Product Development Methodology	6*	A1X	2	C
TDDD51	Service Design and Innovation	6	A1X	3	E
Period 2					
TDDE03	Design Studio II	12*	A1F	4	C
TKMJ34	Product Development Methodology	6*	A1X	2	C
TKMJ29	Resource Efficient Products	6	A1X	1	E

Specialisation: Product Development - Engineering Design

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TKMJ34	Product Development Methodology	6*	A1X	2	C
TMMS21	Mechatronics	6	G2X	1	C
TMKT48	Design Optimization	6	A1X	3	E
Period 2					
TKMJ34	Product Development Methodology	6*	A1X	2	C
TMKT57	Product Modelling	6	A1X	3	E
TMKT69	Conceptual Design - Project Course	6	A1N	4	E
TMPS27	Production Systems	6	A1X	3	E

Specialisation: Product Development - Management

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TEIE06	Corporate Planning	6*	A1X	-	E
TEIM09	International Business	6	A1X	2	E
TEIO13	Leadership and Organizational Change	6	A1X	4	E
Period 2					
TEIO06	Innovative Entrepreneurship	6	A1X	2	C
TDEI21	Strategic Organisational Application of IT - Workflow and Knowledge Management	6	A1X	4	E
TEIE06	Corporate Planning	6*	A1X	-	E

Semester 9 (Autumn 2017)

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TEIM04	Industrial Market and Technology Strategies	12*	A1X	2	E
TEIO07	Project Based Organization and Management	6	A1X	4	E
TEIO89	Innovation and Entrepreneurship - Project Course	12*	A1X	4	E
TETS23	Purchasing	6	A1N	2	E
TKMJ46	Advanced Ecodesign	6	A1X	1	E
TMKT77	System Safety	6	A1X	4	E
TMKT79	Collaborative Multidisciplinary Design Optimization	6	A1X	2	E
TMKT79	Collaborative Multidisciplinary Design Optimization	6	A1X	2	E
TMKT96	Product Visualization	6*	A1X	3	E
TMMV01	Aerodynamics	6	A1X	2	E
TMQU13	Customer Focused Product and Service Development	6	A1X	4	E
TNGD11	Information Design Foundation	6	G2X	2	E
Period 2					
TAOP18	Supply Chain Optimization	6	A1F	1	E
TDDD61	Design - Strategy and Management	6	A1N	1	E
TEIM04	Industrial Market and Technology Strategies	12*	A1X	2	E
TEIO89	Innovation and Entrepreneurship - Project Course	12*	A1X	4	E
TETS31	Logistics Strategies	6	A1X	4	E
TMKT71	Affective Engineering	6	A1X	2	E
TMKT96	Product Visualization	6*	A1X	3	E
TMPS22	Assembly Technology	6	A1X	3	E
TMQU12	Lean Production	6	A1X	2	E

Specialisation: Product Development - Design Engineering

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TMPP03	Project Course Advanced - Design Engineering	12*	A1X	3	C
TKMJ46	Advanced Ecodesign	6	A1X	1	E
TMKT96	Product Visualization	6*	A1X	3	E
Period 2					
TMPP03	Project Course Advanced - Design Engineering	12*	A1X	-	C
TDDD61	Design - Strategy and Management	6	A1N	1	E
TMKT71	Affective Engineering	6	A1X	2	E
TMKT96	Product Visualization	6*	A1X	3	E

Specialisation: Product Development - Engineering Design

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TMPM03	Project Course Advanced - Design and Manufacturing Engineering	12*	A1X	3	C
TMKT77	System Safety	6	A1X	4	E
Period 2					
TMPM03	Project Course Advanced - Design and Manufacturing Engineering	12*	A1X	-	C
TMPS22	Assembly Technology	6	A1X	3	E

Specialisation: Product Development - Management

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TMPI02	Project Course Advanced - Management	12*	A1X	3	C
TEIO07	Project Based Organization and Management	6	A1X	4	E
TMQU13	Customer Focused Product and Service Development	6	A1X	4	E
Period 2					
TMPI02	Project Course Advanced - Management	12*	A1X	-	C
TMQU12	Lean Production	6	A1X	2	E

Semester 10 (Spring 2018)

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TQXX33	Degree project - Master's Thesis	30*	A1X	-	C
Period 2					
TQXX33	Degree project - Master's Thesis	30*	A1X	-	C

ECV = Elective / Compulsory /Voluntary
*The course is divided into several semesters and/or periods