COURSE SYLLABUS
Product Platforms, 7.5 credits

Produktplattformar, 7,5 högskolepoäng

Course Code:	FTPPF36	**Education Cycle:**	Third-cycle level
Confirmed by:	Dean Jan 28, 2016		
Valid From:	Jan 28, 2016		
Version:	1		
Reg number:	vd-beslut 2016/008		

Intended Learning Outcomes (ILO)

On completion of the course, the doctoral student must:

Knowledge and understanding
- Demonstrate broad knowledge of the theoretical foundation of product platforms
- Display knowledge of product platforms and related platforms in industrial practice
- Demonstrate comprehension of the business opportunities and challanges associated with implementing and sustain a product platform strategy
- Demonstrate knowledge of a product platform lifecycle information management (e.g. PLM and BIM)

Skills and abilities
- Demonstrate ability to plan, design and analyse product platforms
- Demonstrate ability to selecting and applying models, methods, and tools that can be used in product platform development

Judgement and approach
- Demonstrate ability to judge what aspects of product platforms that form viable topics for scientific research
- Demonstrate an understanding of the characteristics of product platforms and outline suitable approaches for different applications

Contents

In the course, product platforms are studied from both theoretical and practical perspectives. This includes fundamental concepts together with current research and industrial practise in the area. Different support for planning, developing and analysing product platform design are introduced and practised. The impact on business processes of different platform strategies are discussed as well as their use in different sectors and applications.
The course includes the following elements:
  • Fundaments in product platform theory
  • Product platforms and related platforms in industrial practice
  • Business opportunities and challenges associated with implementing and sustain a product

platform strategy
- Product platform lifecycle information management (e.g. PLM and BIM)
- Means to plan, design and analyse product platforms
- Models, methods, and tools used in product platform architecting and development
- State of the art and the current industrial practise in general
- The use of product platform strategies in different sectors and applications.

Type of instruction

The course is based on lectures and seminars where concepts, methods, tools, applications etc. are introduced and discussed. Computer tutorials will support hands-on experience of modelling methods and assignments supports an in-depth understanding and judgement. The course is taught in Swedish or English according to the needs of the participants.

The teaching is normally conducted in Swedish, but can occasionally be in English.

Prerequisites

Admitted to third-cycle program or equivalent.

Examination and grades

The course is graded Fail (U) or Pass (G).

Registration of examination:

Name of the Test	Value	Grading
Compulsory lectures and seminars	3 credits	U/G
Assignments	4.5 credits	U/G

Course literature