

## Course Information Product Platforms 7,5 hp Fall 2016

### Content

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:

- Fundamentals 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.

### Assignments

Laboratory assignments:

- Platform modelling in an application system

Home assignments:

1. Literature survey that maps product platform theory and practise to the students' PhD projects
2. Model a product platform in a suitable application system

### Course literature

TDB

### Dates and locations fall 2016

Five occasions the following dates 30-31/8, 8-9/9, 20-21/9, 11-12/10, and 25-26/10 (13pm day one to 17pm day two). The course ends with a final seminar 14/12 (8am to 15pm). DTU, LTU and CTH will host one occasion each and JU three.

### Schedule

See separate document.

### Teachers

Course responsible and examiner is Professor Fredrik Elgh  
Assistant professor Martin Lennartsson, and others (to be decided).

### Registration

By mail to Fredrik Elgh, [fredrik.elgh@ju.se](mailto:fredrik.elgh@ju.se) no later than 29 April.

Maximum number of participants are 16.