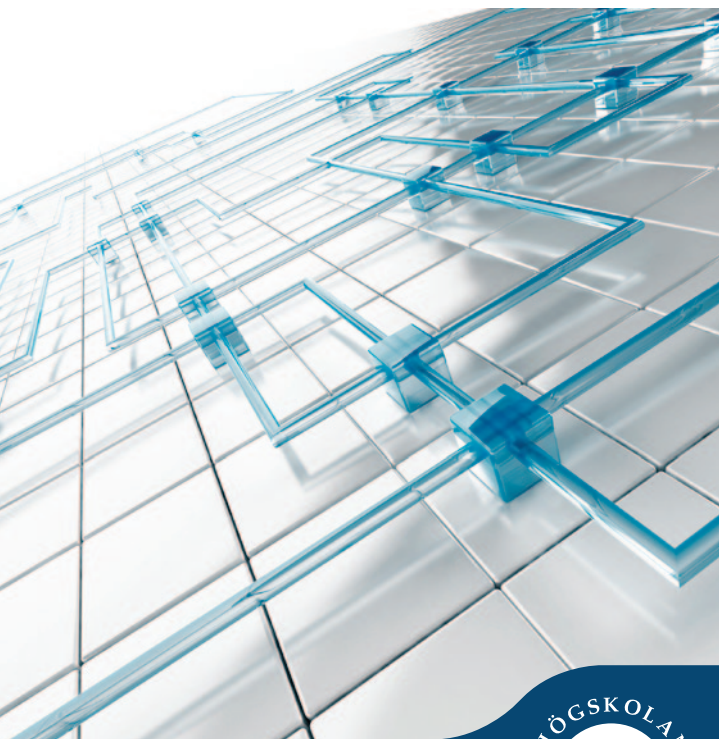


# New Approach to Managing Complex Systems

## Information Driven Management (IDM) based on Dependence Structure matrix (DSM) and Domain Mapping Matrix (DMM)

Many corporations are facing increasing complexity and uncertainty due to new and boundary-spanning technologies and increased variation of customers, markets and organisations, locally and globally. In complex organizations it is crucial to develop efficient problem solving capabilities in organizing tasks in integrated and cross-functional teams with customers and suppliers, modularization of product architecture and design of a lean process particularly when product development is carried out in multi-project settings.



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In this course you will learn about a new approach, Information Driven Management (IDM) and new methods, Dependence Structure Matrix (DSM) and Domain Mapping Matrix (DMM). IDM approach and DSM/DMM methods put the focus on interdependencies between domains/items such as components in the product architecture, tasks and activities in processes, and people in basic and temporary team settings.

In general, and in product development in particular, four issues are crucial:

- Lead-time reduction
- Solving coupled issues
- Product architecture design and modularization of system's
- Designing integrated organizations and processes

### **What is the learning outcome?**

- New approach
- New project management methods
- New project management toolbox

### **...giving you experience on:**

- How to make the planning and outlining of activities in your projects in such a way as to achieve the shortest possible lead-time in development by following the logic of the information flow.
- How to elaborate the product architecture and how to design integrated work breakdown structure (WBS) and integrated work packages (WP).
- How to increase integration between people within a project, between the project and the basic organizational structure, and between the project and other related projects in a multi-project environment.
- How to transform the business portfolio into projects and a purposeful multi-project structure and how to relate projects to basic organizational structure.

### **Who should attend this course?**

- Project managers
- Program managers
- Heads of departments in research, product development and manufacturing.

### **Contact**

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