Supplier Sytems Engineering Course; Course Info

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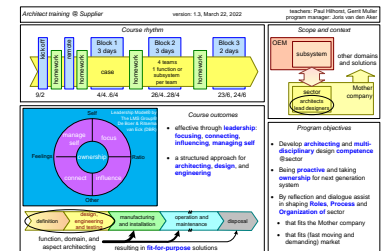
Abstract

This course focuses on systems engineering in companies that are supplying to an OEM company. This presentation shows the overview, format, and flow of the course.
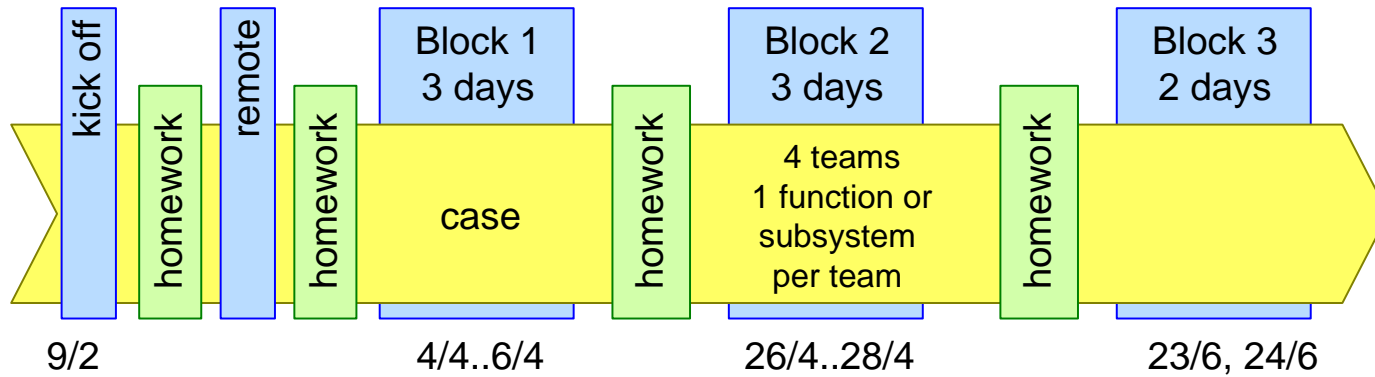
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Course rhythm

kick off | homework | remote | homework | Block 1 3 days | homework | Block 2 3 days | homework | Block 3 2 days

case

4 teams
1 function or subsystem per team

9/2   4/4..6/4   26/4..28/4   23/6, 24/6

Scope and context

OEM

subsystem

other domains and solutions

sector

architects lead designers

Mother company

Course outcomes

Leadership Model® by The LMS Group® De Boer & Ritsema van Eck (DBR)

Self

manage self | focus

Feelings — ownership — Ratio

connect | influence

Other
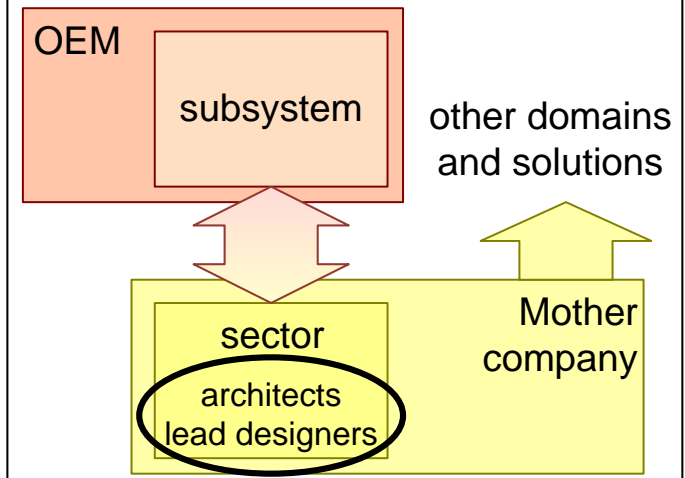
- effective through **leadership**: **focusing**, **connecting**, **influencing**, **managing self**

- a structured approach for **architecting**, **design**, and **engineering**

Program objectives

- Develop **architecting** and **multi-disciplinary** design **competence** @sector
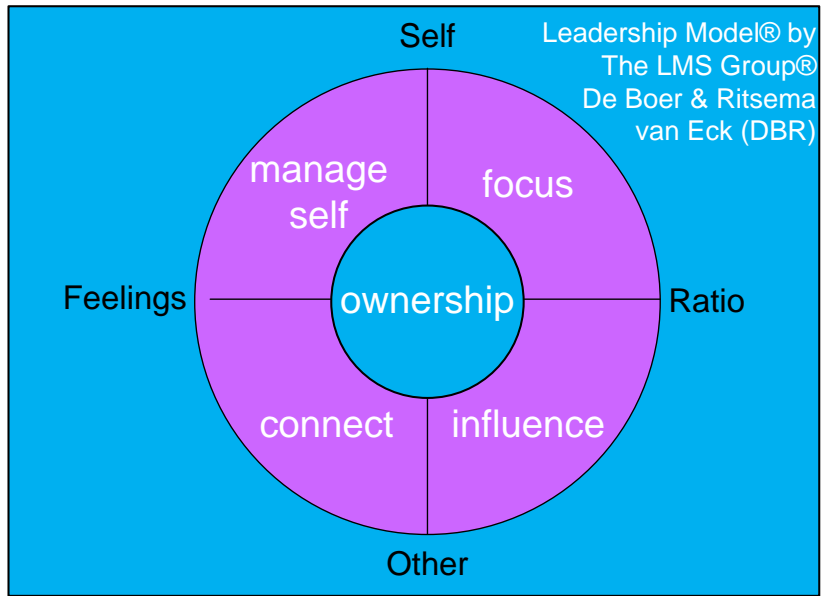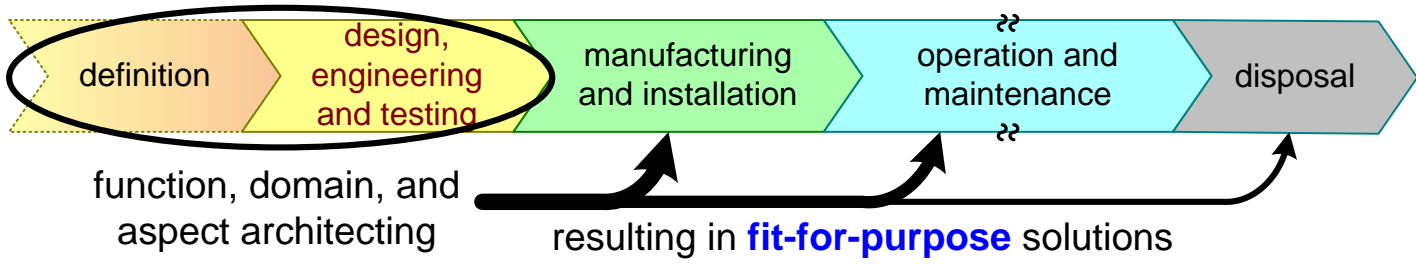
- Being **proactive** and taking **ownership** for next generation system

- By reflection and dialogue assist in shaping **Roles**, **Process** and **Organization of** sector

  - that fits the Mother company

  - that fits (fast moving and demanding) market

definition | design, engineering and testing | manufacturing and installation | operation and maintenance | disposal

function, domain, and aspect architecting

resulting in **fit-for-purpose** solutions

Program Blocks

Block 1

Block 2

Block 3

day 1 | Step 0 Why this program @company? | Step 3 Requirements & Design | Step 5 Share

Step 1 Product Generation & Life Cycle Processes

evening program

evening program?

evening program?

day 2 | **Step 2** Life cycle

homework

homework

day 3 | **Step 2** Life cycle | **Step 4** Verification & Validation

legend

| leadership | reflection |
| architecting | company |

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SSECprogramBlocks

USN ESI

Course Flow

Step 1 Product Generation & Life Cycle Processes

Step 5 Share

Case Intro

Stakeholder analysis

Case Presentation

Step 2 Life cycle

Manufacture FAT

Transport Install SAT

Breakdown

Functional Analysis

Technical Budget

Step 3 Requirements & Design

Step 4 Verification & Validation

Systems Integration

Testing, Verification

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