

Connecting Theory and Practice in the Master Systems Engineering

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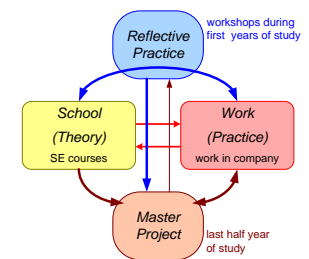
Abstract

Systems Engineering is a discipline that has emerged in practice. People become systems engineer mostly by experience. However, we can help them to shorten the time needed by providing education in the Body of Knowledge of Systems Engineering. One of the main challenges is to connect the theory that we teach to the practical experience of the students.

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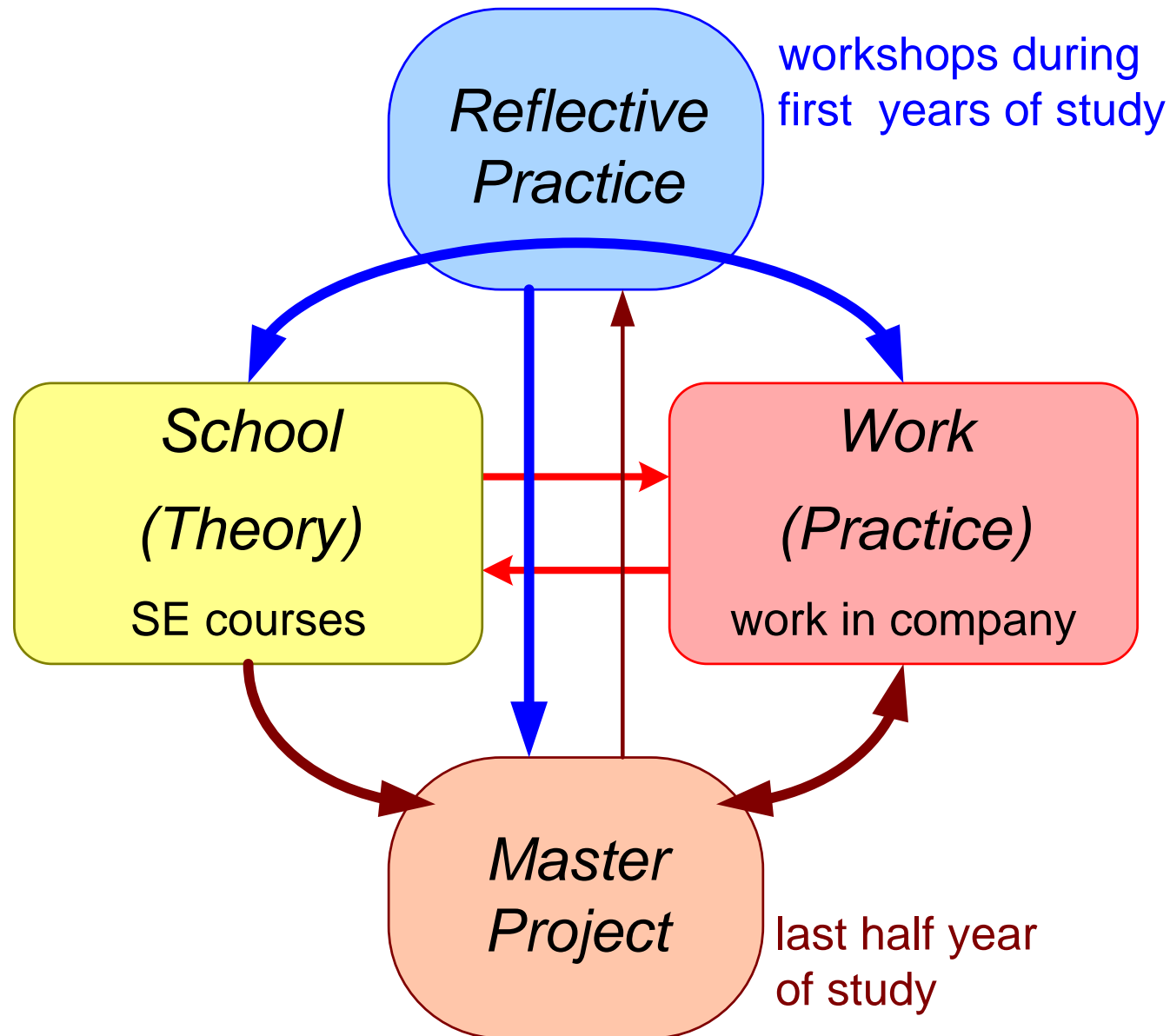


Colophon

Merete Faanes from Buskerud University College created the educational flow *Reflective Practice*. Reflective Practice is a thread throughout the entire master Systems Engineering to stimulate students to relate *School and Work*, and *Theory and Practice*.

The course has been further developed by Merete Faanes, and Gerrit Muller

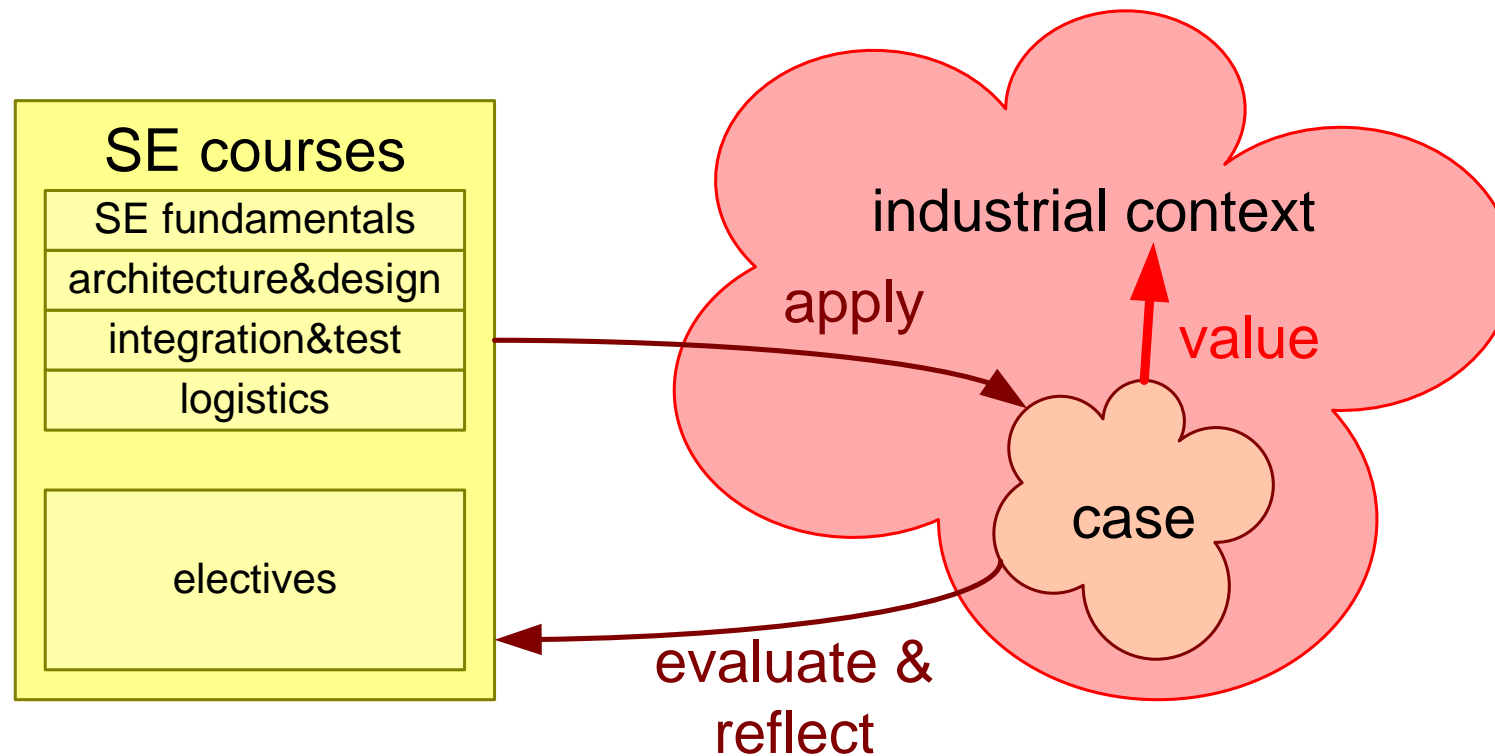
Connecting Theory and Practice



Workshops Reflective Practice

1 st year	Reflection My Role and Style Critical Thinking Domain knowledge
2 nd year	How to apply SE in my daily work? Cultural differences (international semester) project (international semester)
3 rd year	Communication From Student to Systems Engineer Academic Writing

Objectives of Master Project



Apply SE methods, techniques, and concepts in practice and evaluate and reflect on its application, while providing value to the industrial sponsor