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.
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

Reflective Practice

School (Theory)
SE courses

Work (Practice)
work in company

Master Project
last half year of study

workshops during first years of study
<table>
<thead>
<tr>
<th>Year</th>
<th>Topics</th>
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<tbody>
<tr>
<td>1st</td>
<td>Reflection, My Role and Style, Critical Thinking, Domain knowledge</td>
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<tr>
<td>2nd</td>
<td>How to apply SE in my daily work?, Cultural differences (international semester), project (international semester)</td>
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<tr>
<td>3rd</td>
<td>Communication, <em>From Student to Systems Engineer</em>, Writing</td>
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Workshops in italics are still under discussion.
Apply SE methods, techniques, and concepts in practice and reflect on its application, while providing value to the industrial sponsor.