

Use of cluster guidance on BEng in Manufacturing Engineering and Management (Produktionsingeniøruddannelsen)

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On 4th and 7th semester P (Produktionsingeniøruddannelsen), students will use financial calculations when choosing between several solution alternatives and prepare project economics for the overall project. Although the projects are different and work with different types of solutions and companies, the financial part is basically the same and must contain the same for all the projects.

Previously, Winnie (the supervisor) guided the groups individually. It took a lot of time and often it was the same questions that needed to be answered.

That's why we chose to use cluster guidance, ie. all the groups meet with the main supervisors and the finance supervisor at the same time. Questions are now being asked in plenary, and everyone hears the answer. This means that questions which you have not yet thought of asking were answered anyway, and the students learn / and develop understanding based on other students' questions and scenarios.

This type of cluster guidance is a success because the professional content is so uniform for all participants.

We do some of the same in the final projects regarding the introduction, problem formulation and method. Here it includes both cluster guidance and peer feedback, but only for 3-4 groups at a time. The groups share the chapters and again there is generally guidance for everyone, and the students see good as well as less good examples of how the specific parts of the project can be prepared.

In addition, they get lots of good feedback on their work