Improvement projects:

30 August – 8 October

1.1 Learning outcomes

After completing the course, the student must have knowledge of •

the structure of commodity flow chains and environmental impact

As well as competence to:

• plan and design product and material flows with economic and environmental considerations regard

1.2 Assignment

Identify, plan and present an improvement project as a group.

Find some flow, can be at a company, in your own everyday life, or somewhere else where you think there is potential for improvement, think about minimizing waste or increasing the value for the "customer" (e.g. reduce queuing, increase throughput, reduce movements /transport etc.). The planned improvement must lead to higher efficiency, cost savings, time savings and/or increased revenue, as well as reduced environmental impact (energy consumption, emissions, resource use, etc.).

Make sure to use and draw parallels to terms and concepts we go through in the course.

- **Identify:** 1.
      Analyze the current flow, (what does it look like, what works well/badly, why does it look the way it does, etc.).
   2. Develop an alternative to that flow.
   3. Specify the measures you want to implement and what positive effect the change would have for the "customer".
   4. Compare the potential for improvement with possible obstacles to implementation, e.g. costs, time consumption, regulations, possible resistance to the change, etc.
   5. Make an assessment if it is feasible.

- **Plan:**
   1. How would the project be implemented?
   2. What milestones do you set?
   3. How is the work distributed between your roles in the project group?
   4. Who needs to be contacted to implement the change?
   5. Make an assessment of the cost of the project (time, money, security, etc.) and what it would generate in profit (time, money, security, etc.).
   6. Define the goal of the improvement and argue for the reasonableness of that the project can be implemented.
   7. Demarcate from areas that are not part of the project
   8. Define when the project is complete. Which goals must be met, etc.

- **Present:**

> Explain why the project needs to be implemented, how it should be implemented and what effect the improvement is expected to have, in a written submission (see report template), as well as through oral presentation. The oral presentation must be designed to convince stakeholders of the effect and value of the change/improvement.

1.3 Grading criteria

• For the grade Passed, the student must meet the requirements in accordance with the learning outcomes of the course. The submission must be well written and demonstrate an understanding of the scope of the
improvement project. • For the Well Passed grade, the student must analyze and discuss the improvement's potential in the longer term on a deeper level.

1.4 Submission

The submission task is examined through written submission and oral presentation.

The submission must consist of between 1500-2000 words and be named
Improvement project_Group name

In the report, you need to refer to at least three different sources.

The oral presentation must be carried out on 3 October and be approximately 15 minutes long.

The deadline for written submission is Sunday 8 October at 23:55 and submitted via Omniway.