Communications and Transport Systems
Department of Science and Technology
Linköping University

Fall 2026

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TNFL01 - flygtrafik och flygtransporter

Homework Set 3, 2026

Solutions for the responsible groups are due September 29, 2026, 17:00. Solutions by all other groups are due October 1, 2026. **Please put your name on all pages!**

Differential Pricing You and your partner Mister Easy bought a small airline, FlyXY, which is serving a single route between two European capitals. Mister Easy suggests to simply sell all tickets for the same price P. You know that this is not a good idea, and want to give a detailed argument why you should indeed use differential pricing. To make your argument to Mister Easy you may assume that you have a simple price-demand curve, and have exact knowledge about how many people have what willingness-to-pay (WTP). Explain what differential pricing is. Argue for a start why it will be beneficial for FlyXY to sell tickets at two different prices, $P1$ and $P2$, with $P1 < P < P2$, and why your customers will be satisfied with that as well.
bigskip
The assignment should be handled in groups and a short report should be submitted.
The report should be uploaded to lisam no later than the due date.

It should be noted that the memo will be sent to a plagiarism checker to ensure original content.

The presentation of the responsible group and the opposition will take place on **October 2**.
Until the day of the seminar all students are expected to read the report.
Assessment criteria

- You should comply with the assignment and all relevant questions should be discussed.
- Background facts should be correct; content has to be objective and relevant and a red thread should run through the high quality text.

- Good structure, layout and outline; the text should be easy to read and written in good, understandable English.
- Sources should be relevant and sources must be stated clearly.