Communications and Transport Systems
Department of Science and Technology
Linköping University

Fall 2026

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TNFL01 - flygtrafik och flygtransporter

Homework Set 4, 2026

Solutions for the responsible group are due October 6, 2026, 17:00. All other solutions are due October 8, 2026. **Please put your name on all pages!**

Lufthansa and Air Berlin The airline Air Berlin had to file for bankruptcy in August 2017. Lufthansa wanted to take over parts of AirBerlin to extend its subsidiary company Eurowings. With a fast take-over of the Air Berlin flights Lufthansa aimed to avoid that slots are reallocated (for a time continuous operation was financed via a public sector loan from the German government). For all of Germany, Air Berlin (and their subsidiary Niki) held about 12% of all slots, in Berlin Tegel the share was 45.6%, in Düsseldorf 28.1%. Figure 1 shows the distribution of "grandfathered" and newly-allocated slots at large German airports for the winter timetable 2016/17 and the summer time table 2017.
Explain how slots are allocated at a level 3 airport, and then detail why a fast take-over of the AirBerlin flights would be beneficial for Eurowings/Lufthansa.

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 9**.
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.

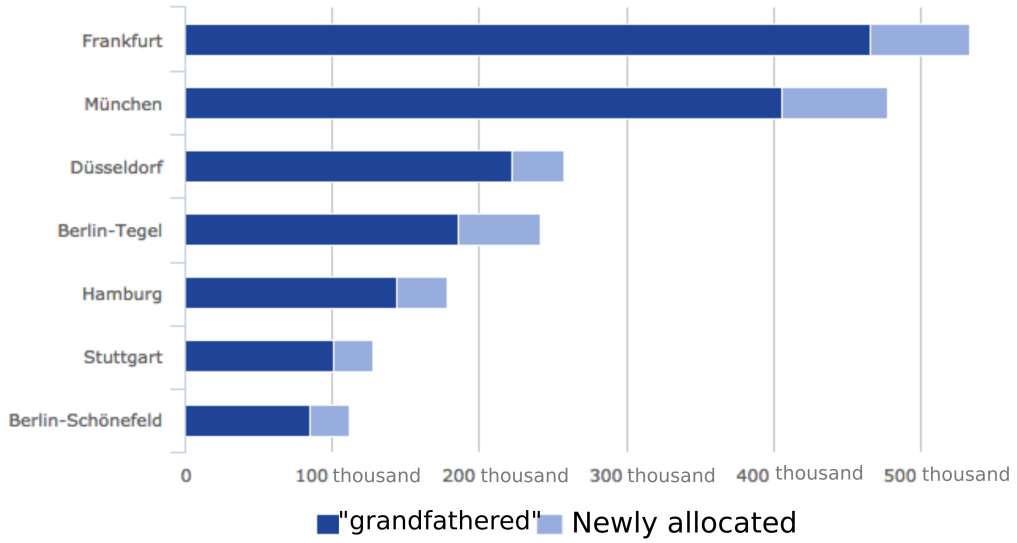

Figure 1: Allocated slots for arrivals and departures and German airports in the winter time table 2016/17 und summer time table 2017; "grandfathered" slots, that is, slots that are allocated to the same airline that did hold that slot before, are shown in dark blue, newly allocated slots in light blue. source: Flughafenkoordination der Bundesrepublik Deutschland.

- 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 or Swedish.
- Sources should be relevant and sources must be stated clearly.