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Developing compact course timetables with optimized student flows

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**Highlights**

- A course timetable has an impact on the student flows between consecutive lectures.
- Large flows lead to congestion and large travel times between lectures.
- Therefore, we look at minimizing the travel time between consecutive lectures.
- Flows are modeled in a detailed way, using insights from pedestrian traffic models.
- Using a decomposition approach, our model can be solved with a standard IP solver.

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