

CIVIL-355

Introduction to transportation systems

Bierlaire Michel

Cursus	Sem.	Type
Civil Engineering	BA6	Obl.
HES - GC	E	Obl.

Language of teaching	English
Credits	3
Session	Summer
Semester	Spring
Exam	During the semester
Workload	90h
Weeks	14
Hours	3 weekly
Courses	2 weekly
Exercises	1 weekly
Number of positions	

Summary

The course provides an introduction to the design and analysis of transportation systems for the mobility of people and goods.

Learning Prerequisites**Important concepts to start the course**

regression, optimization

Learning Outcomes

By the end of the course, the student must be able to:

- Assess / Evaluate
- Formalize
- Interpret

Transversal skills

- Plan and carry out activities in a way which makes optimal use of available time and other resources.
- Use a work methodology appropriate to the task.
- Take account of the social and human dimensions of the engineering profession.
- Access and evaluate appropriate sources of information.

Teaching methods

The course will consist in ex-cathedra lectures and exercises

Assessment methods

Written exam at the end of the semester.

Resources**Moodle Link**

- <https://go.epfl.ch/CIVIL-355>