

PENS-228

## L'éthique des grandes infrastructures : L'expansion de l'autoroute A1

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Cursus	Sem.	Type
Projeter ensemble ENAC	BA4	Opt.

Language of teaching	English
Credits	4
Withdrawal	Unauthorized
Session	Summer
Semester	Spring
Exam	During the semester
Workload	120h
Weeks	
<b>Hours</b>	<b>48 weekly</b>
Lecture	4 weekly
Exercises	22 weekly
Project	22 weekly

### Number of positions

**Il n'est pas autorisé de se retirer de cette matière après le délai d'inscription.**

### Summary

This project uses an ethical lens to analyse the tradeoffs of extending the Geneva - Lausanne motorway. ENAC students will develop analytical skills on ethical issues from infrastructural, environmental and urban perspectives, by assessing pros (reducing traffic) and cons (higher CO2 emissions).

### Content

### Keywords

Ethics, Impacts, Trade Off, Infrastructure, Environment, Cities, Communication with Society

### Learning Prerequisites

#### Required courses

None

### Learning Outcomes

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

- \* Understand ethical challenges in your discipline
- \* Identify the impact of your work, and your discipline, on people and the environment
- \* Understanding of how interdisciplinary addresses ethical challenges
- \* Collaborate and develop project in interdisciplinary settings
- \* Communicate your work to other disciplines
- \* Capacity to present your work in public

### Teaching methods

Students will need be exposed to the following teaching methods:

- Seminars presented by key experts relevant to the project.
- Workshop activities that apply theoretical concepts
- Independent work in studio settings and interdisciplinary teams
- Peer to peer learning to stimulate knowledge transfer and exchange
- Round table discussions with peers and experts
- Presentation to an invited audience

### Expected student activities

Students will need to actively participate and contribute to the following activities:

- Panel discussions and reviews
- Field trip
- Expert lectures and seminars
- Project development in workshop settings
- Independent project development in studio settings
- Development of an exhibition
- Group project reviews

### Assessment methods

- Final group presentations 30%.
- Project report 70%

### Supervision

Assistants	Yes
Forum	Yes
Others	Supervisions is one of the scheduled activities of the course. Groups of students will be supervised by a diverse range of PhDs, Scientists and Researchers across ENAC.

### Resources

#### Moodle Link

- <https://go.epfl.ch/PENS-228>