

Transport demand models

Professor

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Institution

University of Pisa,
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General Information

The course will deal with the main transport demand models. The course will be held online and will cover the following topics:

- Brief recall of descriptive models and random utility models (e.g. Logit)
- Evolutions of logit model: Mixed logit and nested logit
- Four steps model
- Calibration and corroboration of descriptive models
- Calibration and corroboration of random utility models
- Construction of a trial origin-destination demand matrix and its correction by means of traffic counts

Materials

No material is needed, the course slides will be provided to the students by the professor. However, a suggested book is (in Italian): Paolo Ferrari, "Fondamenti di Pianificazione dei Trasporti". Pitagora Editrice, Bologna. For exercises it is suggested: Antonio Pratelli, "Ingegneria dei Sistemi di Trasporto – Esercizi ed esempi". Pitagora editrice, Bologna.

Schedule

Dates	Description
Date: 31 August	Mixed: Online and in presence
Date: 5 September	Mixed: Online and in presence
Date: 6 September	Mixed: Online and in presence
Total 12 Hours - 2 Credits	

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