

Other Transport Planning Methods

Professor

Adriano Alessandrini

Email

adriano.alessandrini@unifi.it

Institution

University of Florence

With the cooperation of **Mirella Loda** (geography), **Francesco Alberti** (urban planning) and **Francesco Ciari** (professor of transport at the Montreal Polytechnic and one of the international experts in Agent Based modeling).

General Information

These are the principal subjects of the course:

- Traditional transport planning and its limits in representing demand management strategies
- Social geography techniques for designing and carrying out surveys, segmenting the sample of respondents according to socioeconomic characteristics and defining relationships between attributes and behavioral choices
- Urban planning techniques to define mobility needs and choices, the quantification of the transport demand generation and attraction characteristics of places and the influence of the state of places on transport choices
- Agent based modelling, the definition of travel diaries for the simulation of people's behavior and the transport supply-demand interaction
- Walkability, cycling and other personal choices influenced by interaction with infrastructures

The course can be followed in presence or online. The course is held in English.

Schedule

Dates

Description

08 and 11 April 2024

Traditional transport planning and its limits in representing demand management strategies (Alessandrini 8 hours)

15 and 18 April 2024

Social geography techniques for designing and carrying out surveys, segmenting the sample of respondents according to socioeconomic characteristics and defining relationships between attributes and behavioral choices (Loda 8 hours)

22 and 29 April 2024

Urban planning techniques to define mobility needs and choices, the quantification of the transport demand generation and attraction characteristics of places and the influence of the state of places on transport choices (Alberti 8 hours)

Dates	Description
02 and 07 May 2024	Agent based modelling, the definition of travel diaries for the simulation of people's behavior and the transport supply-demand interaction (Ciari 8 hours)
09 and 15 May 2024	Walkability, cycling and other personal choices influenced by interaction with infrastructures (Alessandrini 4 hours)
Total 36 Hours – 6 Credits	

For any information www.indicee.unifi.it - dott-dicea@unifi.it