



COURSE: URBAN AND METROPOLITAN TRANSPORT

TEACHER: Prof. Umberto Petruccelli

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Language: Italian

ECTS: 6

n. of hours: 54

Academic year: 2014-2015

Campus: Potenza

Semester: 1

#### TOPICS

Criticalities and intervention techniques on the urban and metropolitan transport system

TEACHING METHODS (please tick one or more options)

Theoretical lessons

Tutorials in classroom

Tutorials in laboratory

Project works

Technical visits

Other activities (please specify) \_\_\_\_\_

#### TEXTBOOKS

– Integrative teaching on-line notes

– Cappelli A., Luongo A.S., Mallano D., Petruccelli U. (2000), *Strumenti e metodologie per la gestione del sistema stradale urbano*, Franco Angeli, Milano

– Fancello G. (2005), *Distribuzione commerciale e trasporti in Italia (Metodo e manuale per le previsioni di mobilità)*, Franco Angeli, Milano

– Maternini G. (a cura di) (2013), *Trasporti e città: mobilità e pianificazione urbana*, EGAF, Forlì

– Maternini G., Foini S. (a cura di), (2010), *Tecniche di moderazione del traffico: Linee guida per l'applicazione in Italia*, Egaf, Forlì

– Montella B. (1996), *Pianificazione e controllo del traffico urbano: modelli e metodi*, CUEN, Napoli

– Cascetta E., Montella B. (2003), *Metodologie per la redazione e la gestione dei piani urbani del traffico e della mobilità*, Franco Angeli, Milano

#### ON-LINE EDUCATIONAL MATERIAL

web address: <http://www2.unibas.it/petruccelli/home.html>

#### LEARNING OUTCOMES

Knowledge of the analysis and intervention techniques on the urban transport supply and ability to identify and deal with general and specific criticalities of urban and metropolitan mobility system

#### REQUIREMENTS

None

EVALUATION METHODS (please tick one or more options)

Intermediate verifications

Written examination

Discussion of a project work

Practical test

Oral examination

Other methods (please specify) \_\_\_\_\_

#### DETAILED CONTENT

Objectives and instruments of urban transport planning

Technical and management measures, control and regulation of traffic

Road safety, environmental protection and traffic calming

Control and capacity of the road intersections

Parking

Components of non-motorized traffic public transport

Freight

Capacity of the urban road network

Fixed installations for public transport

Residential areas of new construction

Commercial distribution and transport in urban and metropolitan areas

Issues of urban transit services

SEMINARS BY EXTERNAL EXPERTS YES  NO

#### FURTHER INFORMATION