

COURSE TITLE: URBAN TRANSPORT - THEORY (LECTURES & SEMINARS)

Institute/Division: A3 - Institute of Urban Design, Division of Public Spaces for Movement

Erasmus subject code: 02.3 / 02.6

Number of contact hours: 15 (lectures and seminars)

Course duration: 1 semester (Fall)

ECTS credits: 3

Course description: The course involves lectures on issues related to planning and design of networks and spaces for traffic and circulation in the cities. It deals with basic technical problems of urban transport, composition of relevant urban spaces, and generally interrelations of transport and urban design. The lecture topics include:

- transport issues and their role in planning and urban design;
- general characteristics of various transportation modes: tram, bus, rapid transit, car, bike, pedestrian movement, dual-mode systems, etc.;
- impact of transport technology on urban development and form;
- transport development strategies: role of public transport, impact of motorized traffic on urban environment, traffic calming concepts, transport demand management policies;
- street networks and street hierarchy in urban areas;
- street space composition, street as part of urban public space.

Literature:

- T.Pharoah, D.Apel: *Transport Concepts in European Cities* Ashgate, Aldershot 1995
- H. Frey: *Designing the City*, E&FN Spon, Londyn 1999
- P.Calthorpe, W. Fulton: *The Regional City*, Island Press, Washington 2000

- K. Bieda: *Street Space in the City not only for Automobiles* in: Public Space of Contemporary City, Conference Proceedings, Wydawnictwo Politechniki Krakowskiej, Cracow 2005
- B. Niels: *Design in Human Scale, or how to make sitters, bikers and drivers meet and feel comfortable*, in: Public Space of Contemporary City, Conference Proceedings, Wydawnictwo Politechniki Krakowskiej, Cracow 2005

Course type: Lectures

Assessment method: Written test

Primary target group: 3rd year students in Architecture

Lecturer: Krzysztof Bieda, Prof. DSc PhD Arch.

Contact person: Krzysztof Bieda, Prof. DSc PhD Arch., phone #: +48 12 628-24-29;

e-mail: kbieda@pk.edu.pl

Deadline for application: beginning of the Fall semester (according to the schedule)