

Reformation of the Curricula on Built Environment in the Eastern Neighbouring Area (CENEAST)

MODULE SPECIFICATION Partner 07 Module 09 ENG

Module Title: Sociological methods used for sustainable urban development			University module code:	
Level ⁱ : Graduate (master)	Credit Value ⁱⁱ : 6	ECTS Value ⁱⁱⁱ : 4 (four)	Length (in Semesters) ^{iv} : One	Semester(s) in which to be offered: Autumn semester or spring semester
Existing/new module ^v : New	Title of Module being replaced (<i>if any</i>): New module			With effect from ^{vi} : Autumn semester 2013
Originating School: Moscow State University of Civil Engineering (MGSU), University of Bologna (UNIBO), Tallinn University of Technology (TTU).		Module Co-ordinator(s): Moscow State University of Civil Engineering (MGSU)		
Programme(s) in which to be offered: Sustainable urban design, Ecology of built environment and safety, Social and economical aspects of the built environment.				
Pre-requisites (<i>between levels</i>): Sociology, Urban sociology, Introduction into methods of sociology.			Co-requisites (<i>within a level</i>): Urban studies, Date support for the urban planning studies.	
Indicative learning hours: 180 (total), 120 (self-study), 60 (class, including 36 lectures and 24 practical classes).		Percentage taught by School(s) other than originating School ^{vii} : University of Bologna (UNIBO), Tallinn University of Technology (TTU).		
Aims of Module: The main objective of the module is the transfer of the knowledge of urban/urban planning sociology and sociological methods to assure the sustainable development of urban areas. Sustainable environment is a combination of ecological, economic, social and cultural constituents. The module is based on the integrated approach covering an extensive variety of issues that comprise the life of a city... <ul style="list-style-type: none"> • ...as the settled area, or the city as the community of its residents. The city as the system of locations having versatile social functions: a business center, an office as a place of work, a market, a residential area, a leisure spot, etc.; • as the socioeconomic area, or the city as the production organism and the medium for the day-to-day life of its residents (areas of employment, unemployment, place of services provision, social diseases, poverty, deprivation, charity, etc.); • as the area of urban spirit (urban spirit, urban mentality, urban aesthetics, urban art, urban symbols, urban landmarks); • as the area of concentration of various ethnicities: the city as the multi-ethnic medium (ageing of the urban society, migration, segregation, ghettoization, social and ethnic tension, conflicts); • as the urban policy area: the city as the area of political and cultural life (urban policy development and implementation, urban and municipal authorities, civil society, self-government bodies, safety); • as the area of urban ecology: the city as the eco-system (environmental protection, compatibility with the biosphere, harmonious development, quality of living, etc.); 				

- as the urban planning area: the city as the integrity of the architectural and engineering infrastructure (knowledge, intelligence, creativity, original solutions, smart house, smart transport, smart city, etc.)

Having mastered the theoretical approaches and methods of sociology applicable to the research into the whole variety of problems of the urban space and having attained the comprehensive set of knowledge, a student must be able to apply the above in his/her future professional activities to assure sustainable urban development.

Intended Learning Outcomes

Knowledge and Understanding

- Past and present theories and concepts of urban sociology and urban planning sociology;
- Factors of sustainable urban development;
- Influence of social processes on the formation of the urban space;
- Social class structure, ethno-demographic structure, needs and concerns of local urban communities;
- Strategies and methods of sociological case studies.

Upon successful completion of this module, a student will be able to (Transferable/Key Skills and other attributes):

- use basic terms of social science in verbal speech;
- identify the needs and concerns of versatile social groups using methods of sociology;
- use various methodologies to prepare and implement a sociological case study;
- implement urban planning projects with account for the concerns of various social groups;
- prognosticate social consequences of urban planning solutions, identify negative outcomes of non-professional decisions;
- propose innovative architectural solutions with account for the social processes underway;
- work in the present-day information-intensive urban planning environment.

Having mastered this module, the student will efficiently participate in roundtable discussions and presentations delivered over the Internet.

Module mark calculation:^{viii}

Assessment components (in chronological order of submission/examination date)

Type of assessment ^{ix}	Weighting%	Duration (if exam)	Word count (if essay/dissertation):	Component pass required ^x
Assessment of the student's personal contribution and ability to cooperate (50% of the assessment accounts for communication skills).	30%			Yes
Final written presentation	70%		6,000	No

Learning and teaching strategies^{xi}:

please note the requirement to give full consideration to issues of equality, diversity and accessibility

The module is composed of lectures, practical classes, self-study of manuals and textbooks, self-study of other recommended books, including classical sociology, in pursuance of the recommendations provided by the lecturer, consultations to be provided by the lecturer, preparation and implementation of a sociological self-study (associated with the theme of the master thesis).

Lectures will be developed as a multimedia course deliverable over the Internet or on a disk. In the classroom, the lecturer will deliver a detailed version of a lecture using multimedia devices (delivery of presentations of videos).

Practical classes are aimed at the development of the ability to formulate sociological ideas in the verbal speech, to express and substantiate ideas and to prepare and present findings of a sociological case study. Discussions and roundtable talks are to be delivered in class. Online discussions may also be arranged.

Implementation of a case study contemplates the drafting of the case study roadmap, compilation of a set of sociological instruments, performance of a poll, analysis of its results and drafting of a report.

The final assessment is based on the student's classroom work, case study presentation and the practical application of the module as a sociological section of a master thesis (social substantiation of the topic of a master thesis).

Syllabus outline:

- Sustainable urban development: social aspects of sustainable design and construction.
- Generation and operation of urban planning systems with account for social, natural, terrain-related, and economic factors:
 - Social and spatial arrangement of cities,
 - Overview of urban areas, urban communities, lifestyle in residential areas and their influence on urban residents, families and communities,
 - Gentrification as the process of renewal and rebuilding accompanying the influx of middle-class or affluent people into deteriorating areas: social consequences,
 - Social ecology,
 - Natural and built environment,
 - Interaction between Man and Nature,
 - Cities and other inhabited areas boosting the harmonious development of humans.
- Architecture as the factor of the social environment:
 - Architecture as the mirror of public relations,
 - Mutual influence of the architecture and the society,
 - Sociological functions of architecture,
 - Sustainable architecture.
- Quantitative and qualitative strategies of a sociological case study in the urban planning:
 - Practical sociological methods applicable to existing and designed urban media,
 - Identification of strengths and weaknesses, limiting factors and social risks of development of new territories and restructuring of built areas,
 - Choice of a survey strategy depending on its scope of problems and objectives.
- Sociological methods in urban planning and architecture:
 - Application of the representative method in urban planning,
 - A case study or a monographic research,
 - Observation as the method of sociological surveys in urban planning and architecture,
 - A poll: an interview and a questionnaire,
 - Qualitative and quantitative document analysis,
 - Content analysis,
 - Principal information measurement procedures,
 - Analysis and generalization of findings,
 - Qualitative methods of analysis,
 - Methods of statistical analysis of survey findings.
- Historic and sociological pre-project surveys:
 - Ergonomic, engineering, technological, socio-economic, architectural/urban planning and management goals and objectives of surveys - an integrated approach,
 - Global and local scale of surveys,
 - Urban design (generation of the urban development strategy on the basis of

- findings of sociological surveys),
 - Design of spatial elements of a city (transport, engineering infrastructure, communications, social and public infrastructure, built areas having different designations),
 - Research into specific social problems of urban planning and architecture,
 - Study of the housing needs of urban residents,
 - Study of the desired positioning of infrastructural facilities (production and leisure facilities),
 - Study of ecological needs,
 - Monitoring of the public opinion,
 - Forecast of dissatisfaction depending on the life style of different population groups: dimensions and floor plans of flats, immediate surroundings of a neighbourhood and inhomogeneous urban comfort in different newly built neighbourhoods,
 - Sociological surveys at the stage of construction and operation of buildings.
- Research into socio-ethnic and ethno-demographic problems using sociological methods:
 - Migration and problems of integration of migrants into the local culture;
 - Ethnic conflicts;
 - Sustainable development through development of the ethnically sustainable environment.
- Urban policy analysis:
 - Sociological polls used to analyze decisions made by urban development authorities and local government bodies,
 - identification of degree of satisfaction with urban management solutions, including housing/infrastructure/social and leisure-related programmes,
 - social regulation of the urban planning industry,
 - social engineering,
 - urban management backed by socially oriented management consulting techniques.

Indicative texts and/or other learning materials/resources:

Core text:

1. Ivanova Z.I., editor. Sociology [Sotsiologiya]. Moscow, MGSU Publ., 2013.
2. Ivanova Z.I., Nikitina D.S., Shnyrenkov E.A. Organizatsiya i provedenie uchebnykh sotsiologicheskikh issledovaniy [Preparation and Implementation of Sociological Case Studies by Students]. Moscow, MGSU Publ., 2009.
3. Vlasenko L.V., Shnyrenkov E.A. Organizatsiya i provedenie uchebnykh sotsiologicheskikh issledovaniy. Metod. ukazaniya. [Preparation and Implementation of Sociological Case Studies by Students. Methodological Recommendations]. Moscow, MGSU Publ., 2011.
4. Metodicheskie rekomendatsii k prakticheskim zanyatiyam po kursu «Sotsiologiya» [Methodological Recommendations Applicable to Practical Classes in Sociology]. Moscow, MGSU Publ., 2013.
5. Ivanova Z.I., Golomazova T.N., Pryadko I.P., Zverev V.S., Kuzin K.B., Kofanov A.V. Sotsiologiya goroda [Urban Sociology]. Moscow, MGSU Publ., 2010.
6. Frolov S.S. Obshchaya sotsiologiya [General Sociology]. Moscow, Prospekt Publ., 2011.
7. Tolstova Yu.N. Izmerenie v sotsiologii [Measurements in Sociology]. Moscow, Knizhnyy dom Universitet Publ., 2009.
8. Sztompka P. Sotsiologiya. Analiz sovremennogo obshchestva. [Sociology. Analysis of the Contemporary Society]. Moscow, Logos Publ., 2010.
9. Shcherbina E.M. Munitsipal'noe upravlenie i territorial'noe planirovanie. [Municipal Management and Land Zoning]. Moscow, MGSU Publ., 2011.
10. Yadov V.A. Strategiya sotsiologicheskogo issledovaniya. Opisanie, ob'yasnenie, ponimanie sotsial'noy real'nosti. [Strategy of a Sociological Case Study. Description, explanation, understanding of the social reality]. Moscow, Omega Publ., 2011.

Recommended text:

1. Vagin V.V. Gorodskaya sotsiologiya [Urban Sociology]. Moscow, 2001.

2. Weber M. Gorod [The City]. Selected works. Moscow, 1998.
3. Vil'kovskiy M. B. Sotsiologiya arkhitektury [Sociology of Architecture]. Moscow, Izd-vo Fond «Russkiy Avangard» Publ., 2010.
4. Glazychev V.A. Gorod bez granits [City without Borders]. Moscow, Izd-vo «Territoriya budushchego» Publ., 2011, 400 p.
5. Gudkov A.A., Morozova O.V. Osobennosti metodologii sotsiologicheskogo issledovaniya istoriko-arkhitekturnogo ob"ekta [Features of the Methodology of a Sociological Case Study of a Historic Architectural Item]. Arkhitekton: Izvestiya vuzov [Arkhitekton. News of Institutions of Higher Education]. No. 33, March 2011.
6. Delitts Kh. Arkhitektura v sotsial'nom izmerenii. [Architecture from the Social Perspective]. Sotsiologicheskie issledovaniya [Sociological Case Studies]. 2008, no. 10, pp. 113-121.
7. Ivanova Z.I., Kofanov A.V., Druzhinin A.M. Sotsial'nye problemy stroitel'nogo kompleksa [Social Problems of the Construction Industry]. Moscow, MGSU Publ., 2011.
8. Ikonnikov A. V. Prostranstvo i forma v arkhitekture i gradostroitel'stve [Space and Form in Architecture and Urban Planning]. Moscow, Kom-Kniga Publ., 2006, 352 p.
9. Kabakova S.I. Puti sovershenstvovaniya gradostroitel'noy politiki v Rossiyskoy Federatsii [Methods of Improvement of the Urban Planning Policy in the Russian Federation]. Ekonomika stroitel'stva [Construction Economy]. 2012, no. 6, pp. 3-9.
10. Landry Ch. Kreativnyy gorod [Creative City]. Moscow, 2011, 399 p.
11. Castels Manuel. The Informational City. Information Technology, Economic Restructuring, and the Urban -Regional Process. Oxford, Cambridge: Blackwell. 1989.
13. Maloyan G.A. Osnovnye printsipy gorodskogo planirovaniya [Basic Principles of Urban Planning]. Moscow, ASV Publ., 2008, 148 p.
14. Maloyan G.A. Skoplenie - problemy gradostroitel'stva [Density as the Urban Planning Problem]. Moscow, ASV Publ., 2010, 115 p.
15. Pankevich N.V. Politicheskaya strategiya rossiyskoy urbanizatsii: ot mirovykh gorodov k natsional'noy setevoy platforme [Political Strategy of the Russian Urbanization: from World Cities to National Network Platform]. Politicheskie issledovaniya [Political Researches]. 2013, no. 1, pp. 72-85.
16. Semina M.V. Metod interv'yu v sotsiologicheskikh issledovaniyakh. [Method of Interviewing in Sociological Surveys]. Moscow, 2010.
17. Trubina E.G. Gorod v teorii: opyt osmysleniya prostranstva. Moscow, Novoe literaturnoe obozrenie publ., 2011, 520 p.
18. Shvidkovskiy D. O. Ot megalita do megapolis: ocherki po istorii arkhitektury i gradostroitel'stva. [From the Megalith to the Megalopolis: Essays on History of Architecture and Urban Planning]. Moscow, Arkhitektura-S Publ., 2009.
19. Shnyrenkov E.A., Kofanov A.V. Osobennosti formirovaniya mental'nogo obraza sotsial'no-znachimogo gorodskogo prostranstva u zhitelya megapolis [Features of Formation of a Mental Image of Socially Significant Urban Spaces]. Nedvizhimost': ekonomika, upravlenie [Real Estate: Economics, Management]. 2011, no. 1, pp. 46-49.
20. Osnovy demografii i sistemy rasseleniya [Fundamentals of Demography and Settlement Patterns]. Moscow, Editus Publ., 2012.

Journals:

International Journal of Sustainable Built Environment:

<http://www.journals.elsevier.com/international-journal-of-sustainable-built-environment/>

Sustainable Cities and Society: <http://www.journals.elsevier.com/sustainable-cities-and-society/>

Cities (The International Journal of Urban Policy and Planning):

<http://www.journals.elsevier.com/cities>

Gradostroitel'stvo (Town planning) <http://gosstroy.ps-mag.ru/>

Expert: <http://expert.ru/expert/>

Arkhitekton: <http://archvuz.ru/archive>

Zhilishchnoe stroitel'stvo: [Residential Housing Construction] <http://www.rifsm.ru/>

Arhitekturny Vestnik: (Architectural Messenger) <http://www.archvestnik.ru>

Date of completion of this version of Module Specification June 4, 2013.

Date of approval by the Faculty Programme Approval and Review Sub-committee:

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- i indicate level (e.g. first, second or third cycle; sub-level if applicable). All qualifications in the European Higher Education Area are located within three cycles - undergraduate; graduate and doctoral studies*
 - ii permissible credit values as set out in Institution's Academic Regulations*
 - iii European Credit Transfer System*
 - iv indicate 0.5, 1, 1.5 or 2*
 - v delete as applicable*
 - vi insert month and year of first/next delivery of module*
 - vii identify all participating Schools other than Originating School*
 - viii To be defined*
 - ix please indicate, in chronological order of submission date, each assessment component by type, e.g. examination, oral, coursework, project, dissertation*
 - x indicate Yes to specify the assessment component(s) to be passed in order to pass the module*
 - xi please note the requirement to give full consideration to issues of equality, diversity and accessibility*