*General Informations:*

**Curriculum: Architecture OTM**

**Name of Course: Introduction to Urban Planning**

**Course Code:** EPE029AN-EA-00

**Semester:** 06

**Number of Credits:** 3

**Allotment of Hours per Week:** 1 Lectures and 2 Practical Lessons /Week

**Evaluation:** mid-term grade

**Prerequisites:**

Course director: János GYERGYÁK PhD., associate professor

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**General Course Description**

The aim of the course is to understand the various processes and mechanism of cities in relation to urban development and planning. Lectures will explain the theoretical background of urbanism, urban development and urban planning. The essence of urban planning will be discussed through the semester projects, the site of which will be selected by each student. Examples will be presented for urban planning and development. The main steps in preparing the semester project: research, analysis, understanding, strategy and planning.

**Learning Outcomes**

The course will contain on one hand several lectures and on the other hand practical lessons, consultations, discussions aiming to solve the semester project and also the presentation of these projects. On the practical lessons students should participate on an intensive studio work. They should be able to define complex urban problems, to analyse them and propose solutions. They should deal with an urban action area, where they can propose different actions and projects for urban development and also to make an overall strategy, masterplan and a more detailed individual proposal for the development. Finally students will present the semester projects.

**Subject content**

Lecture: Topics

Week 1: Debuts, Program of the semester, introduction to urban studies; The networks of settlements in Hungary

* Debuts
* Presentation: aims, topics, tasks and schedule of the semester
* Introduction of the semester project
* Evaluation and grading, requirements of fulfilment
* Settlements: notion, diversity, connections
* Examples of settlements with different characters
* Social trends in space: urbanization-suburbanization-deurbanization-reurbanization. Examples
* The development of the network of settlements in Hungary
* Types of settlements in the 1990’s
* Classification of the villages in Hungary
* International and Hungarian trends

Week 2: Lecture. Structural elements of settlements

* Structural elements of settlements: road network – blocks – plots – buildings. Air-space ratio. Categories of roads of local public road network – morphology. Cross-sections of different types of roads, streets, footpaths, etc. Principles of traffic organization. Types and shapes of public squares.
* Blocks as units. Systems of accesses of blocks’ inside areas.
* The building plot. Buildings and types of plot installation.

Week 3: Lecture. Analysis of social and economic features

* The process of Research-Analysis-Strategy-Planning
* Analysis of former concepts, plans and documents
* Types of diagrams
* Analysis of demography and statistics of the population
* Analysis of housing statistics
* Analysis of economic indicators

Week 4: Lecture. Description of the environment and spatial analysis

* Contextual analysis: Setting; Location of the site and context; Contextual appraisal
* Spatial analysis: Opportunities and constraints; Development area; Open space analysis; Movement, routes and links; Figure ground; Nolli plan; Character areas, building profiles; Landmarks and monuments, designated areas; Key views and panoramas, topography; Listed buildings and heritage protection; Historic evolution; Pedestrian movement, fundamental use patterns; Spatial accessibility analysis and availability of public transport.
* Presenting details: Footpaths and cycleways; Road/street types; Building heights; Densities; Nodes; Active frontages; Public transport network; Land use; Street profiles and typical roadway cross-sections.

Week 5: Lecture. Strategy making for urban development

* Working methods: problems-evaluation-conclusions-objectives-SWOT analysis-projects
* SWOT analysis: strengths, weaknesses, opportunities, threats
* City districts, action areas and projects
* Conceptual analysis
* Public participation
* The initial engagement
* Workshops
* Presenting images
* Rationale
* Preliminary proposals
* Option testing

Week 6: HOLIDAY

Week 7: Only practical with students’ first presentations (see later)

Week 8: HOLIDAY

Week 9: Lecture. Final proposals - the Masterplan

* The masterplan, as a series of themed drawings
* Aerial perspective, axonometric views, 3-D computer block models and detail models
* Illustrative elevations and sections
* Design code drawings
* Photomontage techniques
* Accurate visual representation
* Phasing plan
* Installation plan, environmental design plan
* Presenting details of final proposals

Week 10: Lecture. Morphology of urban spaces I.

* Urban space and location, relationship of spaces and masses
* Urban architecture theories
* Central-type space organization

Week 11: POLLACK EXPO

* Special program organized by PTE MIK on the Pollack Expo

Week 12: Lecture. Morphology of urban spaces II.

* Linear space organization
* Space organization without orientation – “infill-type”

Week 13: Lecture. Urban renewal – examples in Budapest

* The urban rehabilitation action for Middle Ferencváros in Budapest as a case study
* Historical background, the privatization of the housing stock in Hungary, urban renewal state of the art evaluation,
* Tools of organization of urban renewal actions – The operation of SEM IX urban development corporation as an example for contracting urban development societies
* Legal instruments of urban developments
* The Corvin Promenade Project
* The Magdolna project – social urban renewal
* Social effects of urban renewal

Week 14-15: Only practical with students’ final presentations and evaluation (see later)

Practice: Topics

The topic of the semester project: making analysis and proposals for developing a defined urban action area (detailed description see later!)

Consultaions and presentations related to the semester project:

Week 1: Introduction and discussion about the semester project and former experiences

* Debuts
* Presentation: aims, topics, tasks and schedule of the semester
* Introduction of the semester project
* Evaluation and grading, requirements of fulfilment
* Discussion about urban issues of the student’s home cities based on their own experiences.

Week 2: Consultation

* Selecting and defining the action areas as subjects of the semester projects
* Discussion about the main features of the action areas

Week 3 - 4: Consultation

* Consultation about the analysis of the selected action areas of the semester projects. Collecting similar examples for inspirations, analysing case-studies.

Week 5: Consultation

* Consultation of semester projects about spatial analysis

Week 6: HOLIDAY

Week 7: Student’s first presentations of the analytical stage of semester projects

* Group presentation of the selected action areas (analysis, data, diagrams, maps, photos, master plans, geographical and morphological conditions, social, economic and environmental characteristics, spatial analysis)
* Group presentation of defining problems on study areas
* Group presentation of SWOT analysis
* Individual presentation of 3 examples for inspirations

Week 8: HOLIDAY

Week 9: Consultation

* Consultation of semester projects about conceptual analysis and defining proposed actions and projects on the selected action areas

Week 10: Consultation

* Consultation about defining proposed actions and projects on the selected action areas
* Consultation about making overall strategies for implementing the proposed actions and projects
* Consultation about the illustrative masterplans of 3 options and option testing, discussion about the best option with proposed buildings and landscaping

Week 11: POLLACK EXPO

* Special program organized by PTE MIK on the Pollack Expo

Week 12: Consultation

* Consultation about of the 1:200 scale site plan and about the design of the individually proposed buildings and landscaping of the site based on the selected option

Week 13: Consultation

* Consultation about of the 1:200 scale site plan and about the design of the individually proposed buildings and landscaping of the site based on the selected option
* Consultation about formal requirements of the final semester projects

Week 14-15: Student’s final presentations and evaluations of the final semester projects

* Short group presentation of the selected action areas, spatial analysis and the defined problems (a summary and conclusion of the first presentations)
* Group presentation of proposed actions, overall strategies and projects, the illustrative masterplans of 3 options and option testing on the selected action areas
* Individual presentation of the 1:200 scale site plan and the 3D models of the individual project with buildings worked out on the bases of the individually selected option
* Discussion and evaluation of the final semester project

**Examination and evaluation system**

*In all cases. Annex 5 of the Statutes of the University of Pécs, the* ***Code of Studies and Examinations (CSE)******of the University of Pécs*** *shall prevail*

[*https://international.pte.hu/sites/international.pte.hu/files/doc/TVSZ%202022\_06\_23\_ENG.pdf*](https://international.pte.hu/sites/international.pte.hu/files/doc/TVSZ%202022_06_23_ENG.pdf)

**Attendance**

In accordance with the Code of Studies and Examinations of the University of Pécs, Article 45 (2) and Annex 9. (Article 3) a student may be refused a grade or qualification in the given full-time course if the number of class absences exceeds 30% of the contact hours stipulated in the course description.

Active attendance is required on all classes, and will impact the grade (max. 25%). Unexcused absences will adversely affect the grade. To be in class at the starting time and stay until the scheduled end of the lesson is required, more than 10 minutes late will be counted as an absence. In the case of an illness or family emergency, the student must present a valid excuse, such as a doctor's note.

Method for monitoring attendance: attendance sheet

**Assessment**

*Course resulting in mid-term grade (PTE TVSz 40§(3))*

**Mid-term assessments, performance evaluation and their ratio in the final grade**

|  |  |  |
| --- | --- | --- |
| **Type** | **Assessment** | **Ratio in the final grade** |
| *Presentation 1* | *max 25 points* | *25 %* |
| *Final Presentation* | *max 50 points* | *50 %* |
| *Presence and activity on lectures and consultations* | *max 25 points* | *25 %* |

**Opportunity and procedure for re-takes (PTE TVSz 47§(4))**

The specific regulations for improving grades and resitting tests must be read and applied according to the general Code of Studies and Examinations. E.g.: all tests and assessment tasks can be repeated/improved at least once every semester, and the tests and home assignments can be repeated/improved at least once in the first two weeks of the examination period.

**Requirements for the end-of-semester signature**

By providing the signature, the instructor certifies that the student has fulfilled his mid-semester obligations:

- attended the classes (prepared for the classes according to the curriculum/thematic schedule)

- complied/showed a behaviour indicating that the subject should be completed, corrected, or replaced - has met the form/content requirements (all parts of the work have been completed and/or repaired or replaced)

When these are fulfilled, the signature is given and the student can be graded. Providing the signature only verifies the above, the professional content is evaluated using the 5-level grading.

**Grade calculation as a percentage**

based on the aggregate performance according to the following table.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Grade: | 5 | 4 | 3 | 2 | 1 |
|  | A, excellent | B, good | C, satisfactory | D, passed | F, failed |
| Performance in % | 85%-100% | 70%-84% | 55%-69% | 40%-55% | 0-39% |

**Readings and Reference Materials**

In order of relevance.

Required:

1. PPT lectures uploaded on Teams
2. Bally Meeda, Neil Parkyn, David Stuart: Graphics for Urban design (ENG)

Recommended:

Books& magazines:

1. J. C. Moughtin. (2003). Urban design: Street and Square
2. Erdi-Lelandais, G. (2014). Understanding the City: Henri Lefebvre and Urban Studies
3. Lynch, K. (1990). Image of the City. The MIT Press
4. Jacobs, J. (1992). The death and life of great American cities. New York: Vintage Books
5. Trancik, R. (1986). Finding Lost Space: Theories of Urban Design
6. Venturi, R. (1977). Learning from Las Vegas. The MIT Press
7. Gehl, J. (1987). Life between Buildings: Using Public Space
8. Gehl, J. (2010). Cities for People, Island Pres
9. Speck J. (2012). Walkable City, North Point Press
10. Montgomery, C. (2013). Happy city, Farrar, Straus and Giroux
11. Sarah Gaventa: New Public Spaces (ENG)
12. Urban Design Magazine (http://www.rudi.net/)

Websites

1. <http://www.udg.com/>
2. http://www.urbanmovement.co.uk/

**Methodology:**

The course is based partly on ppt lectures and partly on individual skills with consultations, discussions and presentations.

The subject is based on continuous communication between the instructor and the students.

Method:

1. continuous consultation at scheduled time according to the detailed subject program
2. independent homework
3. independent research, data collection, analysis
4. optional independent consultation with the involvement of specialists independent of the subject's instructors

**Students with Special Needs**

Students with a disability and needs to request special accommodations, please, notify the Deans Office. Proper documentation of disability will be required. All attempts to provide an equal learning environment for all will be made.

*Detailed requirements and schedule of the Course*

**Tasks and minimum requirements**

The topic of the semester project: making analysis and proposals for developing a defined urban action area.

The semester project will contain the following tasks:

PART 1: ANALYSIS

1/a: TEAM WORK (Groups with 2 or 3 students):

* + defining an urban action area in Pécs or in another selected city
	+ analysing social, economic and environmental characteristics of the defined urban area (conclusions based on data, charts, diagrams, tables, maps, etc.)
	+ spatial analysis of the selected area (open space, routes and movements, different characters, transport network, land use, views and landmarks etc.)
	+ defining problems on the study area
	+ defining objectives of urban development in the action area
	+ SWOT analysis

1/b: INDIVIDUAL WORK:

* + to present 3 examples of similar projects from other cities with similar scale and situation that can serve as inspiration and case study for making proposals for developing the selected site in Pécs (site plan / masterplan; photos or 3D models about the site with buildings and installations; short description with reason for choice)

PART 2: PROPOSALS

2/a: TEAM WORK:

* + defining proposed actions and projects on the action area
	+ making an overall strategy for implementing the proposed actions and projects (with drawings on related site plans, initial masterplan)
	+ to prepare an illustrative masterplan for the selected action area with 3 options indicating built form and blocking, landscape structure, urban grain, orientation and overall character;
	+ option testing based on the 3 options

2/b: INDIVIDUAL WORK:

* to make a 1: 200 scale site plan for the development area with the installed buildings and landscaping based on one individually selected option indicated on the illustrative masterplan (with possible improvements & modifications).
* to make aerial perspectives / 3-D computer model of the urban development action area with the installed buildings and landscaping worked out on the bases of the individually selected option indicated on the illustrative masterplan (with possible improvemets & modifications). Also illustrative plans / sections are needed in cases.

*Minimum requirement of the presentations:*

1. Student’s first presentations of the analytical stage of semester projects
* Group presentation of the selected action areas (analysis, data, diagrams, maps, photos, master plans, geographical and morphological conditions, social, economic and environmental characteristics, spatial analysis)
* Group presentation of defining problems on study areas
* Group presentation of SWOT analysis
* Individual presentation of 3 examples for inspirations
1. Student’s final presentations of the semester projects
* Short group presentation of the selected action areas, spatial analysis and the defined problems (a summary and conclusion of the first presentations).
* Group presentation of proposed actions, overall strategies and projects, the illustrative masterplans of 3 options and option testing on the selected action areas.
* Individual presentation of the 1:200 scale site plan and the aerial perspectives / 3D models */* illustrative plans and sectionsworked out on the bases of one selected option (with possible improvemets & modifications).

**Schedule**

|  |
| --- |
| Lecture  |
| week | **Topic** | **Compulsory reading; page number****(from … to …)** | **Required tasks (assignments, tests, etc.)** | **Completion date, due date** |
| 1. | Introduction to urban studies; The network of settlements in Hungary | related ppt lecture | *tasks are related only to practice* | till next lecture |
| 2. | Structural elements of settlements | related ppt lecture | till next lecture |
| 3. | Analysis of social and economic features | related ppt lecture | till next lecture |
| 4. | Description of the environment and spatial analysis | related ppt lecture | till next lecture |
| 5. | Strategy making for urban development | related ppt lecture | till next lecture |
| 6. | HOLIDAY |  |  |
| 7. | *only practice* |  |  |
| 8. | HOLIDAY |  |  |
| 9. | Final proposals - the Masterplan | related ppt lecture | till next lecture |
| 10. | Morphology of urban spaces I. | related ppt lecture | till next lecture |
| 11. | POLLACK EXPO |  |  |
| 12. | Morphology of urban spaces II. | related ppt lecture | till next lecture |
| 13. | Urban renewal – examples in Budapest | related ppt lecture | till next practice |
| 14. | *only practice* |  |  |
| 15. | *only practice* |  |  |

|  |
| --- |
| Practice/Laboratory Practice |
| week | **Topic** | **Compulsory reading; page number****(from … to …)** | **Required tasks (assignments, tests, etc.)** | **Completion date, due date** |
| 1. | Introduction and discussion about the semester project and former experiences | task description, base maps and regulatory | visit and document sites | till next practice |
| 2. | Consultation: selecting action areas | base maps | site selection | during practice |
| 3. | Consultation: site analysis | given tables and info | start analysis | till next practice |
| 4. | Consultation: site analysis | related ppt lecture | social &ec. analysis | till next practice |
| 5. | Consultation: spatial analysis | related ppt lecture | spatial analysis | till next practice |
| 6. | HOLIDAY |  | collect inspirations | till next practice |
| 7. | Student’s first presentations: analysis | all ppt lectures | presentation | during practice |
| 8. | HOLIDAY |  |  |  |
| 9. | Consultation: conceptual analysis & actions | related ppt lecture | conceptual analysis | till next practice |
| 10. | Consultation: strategies, masterplan, options | related ppt lecture | masterplan options | for this practice |
| 11. | POLLACK EXPO |  |  |  |
| 12. | Consultation: site plan, proposed buildings and installations, landscaping | related ppt lecture | site plan and design  | for this practice |
| 13. | Consultation: site plan, proposed buildings, landscaping, formal requirements | related ppt lecture | site plan and design | for this practice |
| 14. | Student’s final presentations and evaluation | all ppt lectures | presentation | during practice |
| 15. | Student’s final presentations and evaluations | all ppt lectures | presentation | during practice |



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 course instructor

Pécs, 24.01.2024