

General Information:

Name of Course:	DESIGN METHODS 1.
Course Code:	PM-RTENE030A
Semester:	7 th
Number of Credits:	2
Allotment of Hours per Week:	2 Lectures / Week
Evaluation:	Exam
Prerequisites:	-

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Introduction, Learning Outcomes:

The course is intend for master students on Architecture Program planning to conduct high level discussion and argument about the possibly design methodologies in architectural design. Providing theoretic assistance in the design procedures during studies and later. A series of architectural projects, focusing on aspects, elements or units of architecture for developing of conceptual thinking in architecture. Explores diverse contemporary issues with focus on coherences between building, attitudes and theory.

The course will focus on:

- Familiarizing students with architectural design methods, especially with conceptual work in progress and its units
- Examine and exploring of meaning and rules of ‘publicity’ in Architecture
- Providing participants to consider understanding of the possibly fundamentals in architecture and focusing on the logic of their argument and methodologies
- Making students aware of the todays’s phenomena in architectural design are closely linked to theoretical and conceptual issues

Upon completion of this course the student should be able to:

1. Interpret
 - a. the differentiate trends in architecture theory,
 - b. design techniques,
 - c. communication techniques,
 - d. environment design and the contemporary state of architecture
2. Apply and employ their individual creativity
3. Analyse the design problems and the built environment
4. Design and show a presentation

General Course Description and Main Content:

Having acquired a sound knowledge of basic design principles and methods in Design Methods courses students explore a wider context of architectural design methods with special emphasis on social, sociological and settlement structure implications. The aim of the course is to acquaint students with the design principles and methods of historical and contemporary design ateliers. It will enable them to analyse and see architectural objects in the context of the history of architecture and to put architecture in the wider context of urban design and sociology. Students are encouraged to find and combine methods and form concepts for particular design tasks.

The Course includes:

- Regular (weekly) lectures.
- Continuously communication and discussion between the Attendance and Lecturer. Common evaluation.
- 3 short presentations by Students based on the instructions of the Lecturer.

Methodology:

The course is based on continuously discussions and examine of case studies, actual topics, and non-conventional situations in architecture as precedence. The student's verbal feedback is required.

Methods:

1. discussion and lectures about architecture theory
2. aesthetic, visual presentation methods
3. architecture history, contemporary architecture of design in urban situation
4. sustainability and solidarity in design
5. communication-developing in oral and written way

The subject includes short oral presentations (3) in fixed time in the semester and a short description of it (in 5.000 characters, created with the rules of essay- writing.)

Schedule:

The semester is divided into three principle periods and attendant exercises.

The rough outline of the schedule is as follows:

I. FUNDAMENTAL UNITS OF ARCHITECTURE - CONCEPTUALISATION IN GENERAL

Week 01: General information, registration

Week 02: Education as Fundamental Unit of Architecture – Introduction and Philosophy

Week 03: Conceptualisation in General – trough case studies

Week 04: Presentation of Homework 01 in 5 minutes (communication of the design conception of project form previous university studies with high level (re)graphic

Required basic elements – with graphics, info graphics, short descriptions (only in English!):

1. Analyses of the Chosen Function (inspirations, examples, conditions, relationships in space, needs requirements, etc.)
2. Architectural Program (type, scale, use, form ideas, architectural ideas, materials, primer structures, functioning, etc.)
3. Summarize of the Design Architectural Concept
4. Views, 3D sketches about the shown building (without layout plans or sections!)

Criteria of evaluation:

1. The scale of the presentation (1-10)
2. Clear verbal and visual communication (1-10)
3. Observance of the available time interval (1-10)

After the presentations, common evaluation and brainstorming!

1. How was represented the architectural strength of project by the architectural conception?
2. Is there continuity between conception and the designed project?
3. What are the most important keywords in conceptualization?

II. FUNDAMENTAL UNITS OF ARCHITECTURE - ELEMENTS

Week 05: Programming Architecture - Units are Basic Elements

Week 06: Idea as Basic Element

Week 07: Presentation of Homework 02 in 5 minutes – what is 'guerrilla' architecture?

Criteria of evaluation:

1. The scale of the presentation (1-10)
2. Clear verbal and visual communication (1-10)
3. Observance of the available time interval (1-10)

After the presentations, common evaluation and brainstorming!

1. Which presentation was the most valuable and why?
2. What kind of possibly aspects was determined for answering the question?
3. What are the most important keywords in conceptualization?

III. FUNDAMENTAL UNITS OF ARCHITECTURE – ARCHITECTURE AND ITS AFTERLIFE

Week 09: Break (regular free week during the semester)

Week 10: Practical Lesson out of the Classroom

Week 11: Green Urbanity

Week 12: Guest Lecture

Week 13: Urban Innovation (Guest Lecture)

Week 14: Presentation of Homework 03 in 5 minutes (group work: 2 students in one group).

Have to make a video-presentation in 5 minutes about fixed topics; 'FROM SZÉCHENYI SQUARE TO SZENT ISTVÁN SQUARE'. Questions for answering: "What's work from the point of view of architecture in these square(s)?", "What elements are characterising the square(s)?" "Why do citizens like it(them)?"

Criteria of evaluation:

1. The scale of the presentation (1-10)
2. Clear verbal and visual communication (1-10)
3. Observance of the available time interval (1-10)

After the presentations, common evaluation!

1. Does this public squares function well?
2. Is it general consequence?
3. Is it possible to feel emotional attachment to a city-square by citizens in location?
4. Are there some known international examples?

Studio Culture:

The course is based on through collaboration, participation and discussions trough lessons. This is an interaction between Students and Faculty; used the teaching methods like 'Problem-based learning' and 'learning-by-doing'. The communication and work should be reflect a respect for fellow students and their desire to work with regard to noise levels, noxious fumes, etc – from each site of participants.

Attendance:

Attending is required all classes, and will impact the grade (max. 10%). Unexcused absences will adversely affect the grade, and in case of absence from more than 30% of the total number of lesson will be grounds for failing the class. To be in class at the beginning time and stay until the scheduled end of the lesson is required, tardiness of more than 20 minutes 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.

The highest possible grade on the late project (after Study Period before Exam Period) is '2'.

Evaluation + Grading

Grading will follow the course structure with the following weight: Homework 01 - 30%, Homework 02 - 30%, Homework 03 - 30%,. The remaining 10% will be assessed according to participation, progress, effort and attitude. Please note that attendance will adversely affect one's grade, both in direct grade reduction and in missing work in the development of a project. The final grade will be based on the following guidelines:

5. Outstanding work. Execution of work is thoroughly complete and demonstrates a superior level of achievement overall with a clear attention to detail in the production of drawings, models and other forms of representation. The student is able to synthesize the course material with new concepts and ideas in a thoughtful manner, and is able to communicate and articulate those ideas in an exemplary fashion in.

4. High quality work. Student work demonstrates a high level of craft, consistency, and thoroughness throughout drawing and modelling work. The student demonstrates a level of thoughtfulness in addressing concepts and ideas, and participates in group discussions. Work may demonstrate excellence but less consistently than an '5' student.

3 Satisfactory work. Student work addresses all of the project and assignment objectives with few minor or major problems. Graphics and models are complete and satisfactory, exhibiting minor problems in craft and detail.

2. Less than satisfactory work. Graphic and modelling work is substandard, incomplete in significant ways, and lacks craft and attention to detail.

1. Unsatisfactory work. Work exhibits several major and minor problems with basic conceptual premise, lacking both intention and resolution. Physical representation in drawing and models is severely lacking, and is weak in clarity, craft and completeness.

Grading Scale:

Numeric Grade:	5	4	3	2	1
Evaluation in points:	89%-100%	77%-88%	66%-76%	55%-65%	0-54%

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.

Readings and Reference Materials:

Required and more:

1. Clark, R.H. and Pause M. (1996). Precedents in architecture (2nd ed). New York: Van Nostrand Reinhold.
2. Davies, C. (2006). Key houses of the twentieth century: plans, sections and elevations. London: Laurence King.
3. Laseau, P. (2001). Graphic thinking for architects & designers (3rd ed). New York: J. Wiley
4. Pressman, A. (1993). Architecture 101: a guide to the design studio. New York: Wiley.
5. Unwin, S. (2003). Analysing architecture (2nd ed). New York: Routledge.