

General Information:

Name of Course:

DESIGN METHODS 2.

Course Code:

PMRTENE031A

Semester:

8th

Number of Credits:

2

Allotment of Hours per Week:

2 Practical Lessons /Week

Evaluation:

Signature (with grade)

Prerequisites:

Design methods 1.

Instructors:

Dr Ágnes BORSOS, assistant professor

Office: 7624 Hungary, Pécs, Rokus u. 2. Office N^o

E-mail: borsos.agnes@pmmik.pte.hu

Dr János GYERGYÁK, assistant professor

Office: 7624 Hungary, Pécs, Boszorkany u. 2. Office N^o B-334

E-mail: gyergyak.janos@pmmik.pte.hu

Introduction, Learning Outcomes:

“Everyone deserves a clean, safe place to live...”

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. In their semester assignment, students take part on lectures and discussions on the lessons. The high level communication is required.

The design task is connected to the international competition: DENCITY
<https://shelterglobal.org/competition/>

“The Dencity Competition is a call for ideas for improving slum conditions worldwide over the coming decades. Rapid world growth and urbanization is not allowing cities to adapt and provide for their inhabitants. Towns are quickly growing into cities, and some of the densest places in the world are comprised of makeshift homes, otherwise referred to as slums. Furthermore, already overcrowded cities have to absorb people leaving their rural hometown in hope of job opportunities. There are currently over 1 billion slum dwellers in the world. This number is expected to reach 2 billion by the year 2030. Now, more than ever, we need to play a central role in the development of substandard neighborhoods. Slums effect much more than just housing; they affect almost all living conditions and communities as a whole....”

The major cause of inadequate housing is rapid world growth and urbanization. Many cities are not able to adapt and provide for their inhabitants. Currently there are over 1 billion people living in unplanned urban settlements. These “slums” do not have adequate housing, water, or electricity and have high crime rates.”

Students have to deal with one of the greatest challenge of architects

- how can we create affordable housings
- how can we make housing and services for all

The course will focus on:

- Individual design processing, and developing upon relevant methodologies and design techniques

- Manage complex architectural relationship like demonstrate a progression in terms of understanding relevant functional needs, programming and construction techniques in the same time
- Clear architectural communication of the project to a jury
- Spatial, social and economic context

The Students can submit their plans to the COMPETITION with making the registration till 20th of April.

General Course Description and Main Content:

The requirements of the course are the same of the competition:

2 Project Boards

2 project boards at 11" x 17," horizontal format at 300 dpi in .jpg format are required. You may include diagrams, sitemaps, collages, photographs, plans, sections, elevations, renderings and any other visualizations you think are necessary to convey your ideas.
(If you are registered: Each board must include your Dencity Competition ID in the upper right hand corner.)

1 Text Document

A text-based 8.5" x 11" .doc format, between 750-1500 words in length that coincides with the graphic boards. It is optional to include this text into the 2 project boards, but it still needs to be submitted as a separate text document. This text must be in English. The text file must also include the unique registration ID number in the upper right hand corner.

All submissions of the competition are due by midnight on April 20, 2015.

The presentation of the FINAL DESIGN of the semester will be hold on the 13th week, 28th of April, in the time of the course.

Methodology:

The course is based on individual architectural skills with regular consultations and presentations.

The students can work individual or can make groups till 4 members.

Schedule:

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

The outline of the schedule is as follows:

INTRODUCTION – RESEARCH OF THE TOPIC

Week 1 : Introduction of the course

Week 2 : Introduction of the topic: CONDITIONS OF SLUMS.

Week 3 : Introduction of the topic: CONDITIONS OF SLUMS FIELD TRIP IN PÉCS.

Week 4: Preparation of the concept

CONCEPT

Week 5: PROJECT PRESENTATION 01. – CONCEPT DESIGN

- Required contain presented with power point presentation:
 - o Process Dairy Booklet (in progress)
 - o Analyses of the Chosen Function (inspirations, examples, conditions, relationships in space, needs requirements, etc.)
 - o Architectural Program (type, scale, use, form ideas, architectural ideas, materials, primer structures, functioning)
 - o Presentation of the Building Site (analyses, diagrams, maps, photos, master plans, geographical and morphological conditions)
 - o Site Plans (1:1000 or 1:500)

Week 6-8: Project (improving the concept)

FINAL DESIGN

Week 8: FIELD TRIP IN BUDAPEST AT THE WEEKEND
Week 9: PROJECT PERESENTATION 02. MIDTERM DESIGN
Week 10: Spring holiday
Week 11: no lesson - individual group works
Week 12: DEADLINE OF THE COMPETITION (20th of April)
no lesson
Week 13: PROJECT PRESENTATION 03. – FINAL DESIGN

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 (in two weeks) is ‘2’.
The Final Project cannot be turned in late.

Evaluation + Grading

Grading will follow the course structure with the following weight: PROJECT PRESENTATION - 01, 20%, PROJECT PRESENTATION 02, 20% and PROJECT PRESENTATION 03 50%. 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	89%-100%	77%-88%	66%-76%	55%-645%	0-54%

points:					
---------	--	--	--	--	--

PTE Grading Policy:

Information on PTE's grading policy can be found at the following location:

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:

<http://mirror.unhabitat.org/pmss/listItemDetails.aspx?publicationID=1156&AspxAutoDetectCookieSupport=1>
<http://www.sra.gov.in/>
<http://www.archdaily.com/146314/regeneration-of-the-favela-de-rocinha-slum-jan-kudlicka/>