

General Information:

Name of Course:

COMPLEX DESIGN

Course Code:

PMRENE057A

Semester:

8th

Number of Credits:

6

Allotment of Hours per Week:

3 Practical Lessons /Week

Evaluation:

Signature (with grade)

Prerequisites:

Completed Building Constructions 5, Building Design 7

Instructors:

Gabriella MEDVEGY dr , associate professor

Office: 7624 Hungary, Pécs, Boszorkány u. 2. Office N^oB-125

E-mail: medvegygabriella@mik.pte.hu

Betty ZOLTÁN dr., associate professor

Office: 7624 Hungary, Pécs, Boszorkány u. 2. Office N^o B-319

E-mail: betty.zoltan@mik.pte.hu

Introduction, Learning Outcomes:

This course aims to summarize the previously gathered architectural skills focusing on the built public environment, with special emphasis on functional features in a designated multifunctional urban area

The task is to design a public building of high architectural value – both in volume and layout, materiality and solid constructional detail. Students can choose from diverse suggested architectural programs belonging to a university campus: student and professor housing and sports centre. Students are required to carry out an urban design analysis and write an essay on successful examples of implemented architectural projects.

The project is to be presented on posters with a rich architectural content and high quality representation at a scale of 1:100, and final paper model in a scale specified by the instructor. Students' acquired knowledge is assessed over the course of the semester.

The course focuses on exploring a design problem, benefitting from all design skills and methodologies in a specific area of interest, and engaging in design research within the architectural field.

The finished and accepted project is shown and presented in the Final Presentation for a jury to demonstrate the acquired architectural knowledge and abilities.

General Course Description and Main Content:

This subject includes an architectural design project where students prove their architectural skills before the diploma.

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

- analyze the design problems and the built environment,
- work efficiently and on time according to their individual design process,
- manage complex architectural relationship like demonstrate a progression in terms of understanding relevant functional needs, programming and construction techniques in the same time
- apply and employ their individual creativity,
- to communicate their project both visually and orally to a jury

The purpose of this course is to introduce students to architectural design from a complex view that also involves parts of the planning process which are supervised by specialised departments. Furthermore, this subject intends to have students practise the design phase related to documentation required for planning permission. During the preparation period, students study existing buildings with similar functions and examples in special scientific literature, and on this basis, they finalize their design project. During the design process, they continuously consult with chosen teachers from the Department of Design and the Department of Building Constructions.

Methodology:

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

Schedule:

- Week 1. Introduction, general information, syllabus, introducing the design tasks
- Week 2. Discussion of the architectural program, analysing the urban context and challenges
- Week 3. Project consultation, consultation of the study booklet (inspirations, analytic drawings, diagrams)
- Week 4. **Deadline 1: STUDY BOOKLET(15 POINTS)** – students should study existing buildings with similar functions and examples in special scientific literature, and the design project can be developed further based on this kind of research. The study should be uploaded to the drive:
https://drive.google.com/drive/folders/0B_QzuPPYO4atTnQ1bUdtUmc5R3M?usp=sharing
Project consultation: analysis, site plan, master plan, functional plan, concept for setting, massing, drafting model(s) scale 1:500
- Week 5. Project consultation: analysis, site plan, volume and concept developing, floor plans, structural concept model(s) scale 1:500 - draft
- Week 6. Project consultation: site plan, volume developing, floor plans, sections, elevations, forming the exterior and interior spaces, definition of building materials - model 1:500 or 1:200 draft
- Week 7. Project consultation: site plan, volume developing, floor plans, sections, elevations, forming the exterior and interior spaces, definition of building materials - model 1:500 or 1:200 draft
- Week 8. **PROJECT PRESENTATION 01. – CONCEPT DESIGN (35 POINTS) – Digital Presentation + paper model** –
the slides should be in combined PDF file, naming by SURNAME of the student, and are to be uploaded to :
https://drive.google.com/drive/folders/0B_QzuPPYO4atSHIIMnVUai1wOVU?usp=sharing **12am 26th October ! Projects which are not uploaded can not be presented!**
The slides should include following information and drawings:
analysis
concept
site plan 1:500
floor plan of every story 1:200
sections (minimum 2) 1:200
elevations m=1:200
street view 1:200 or 1:500
visualization
model with the broader planning area 1:500
model (only the building) 1:200
- Week 9. fall break
- Week 10. Project consultation (the design improved and developed according to the critics)
floor plans, sections, plans with details, model 1:200
- Week 11. Project consultation: floor plans, sections, elevations with details,
environmental plans with details, interiors with details, temporary model 1:200
- Week 12. Project consultation: floor plans, sections, elevations with details,
environmental plans with details, interiors with details, structural details, temporary model 1:200
- Week 13. Project consultation: every working part on posters (graphic design)
(analysis, conceptual figures, site plan, floor plans, sections, details, visualization)
- Week 14. **PROJECT PRESENTATION 02. – CONCEPT DESIGN PROJECT (50 POINTS) – poster presentation+ paper model**
analysis (the most important)
concept (diagrams and text)
site plan, environment design plan 1:500 (narrowly interpreted planning area)
floor plan of all levels 1:100
sections (minimum 3) 1:100
elevations m=1:200
street view 1:200 or 1:500
visualization (outer spaces with the environment)
visualization (interiors)
structural details
model with the broader planning area 1:500
model (only the building) 1:200
- Week 15. **SUPPLEMENTAL PRESENTATIONS – EVALUATION OF THE TERM**

Studio Culture:

Information on PTE's studio culture policy can be found at the following location: www.pte.hu

Attendance:

Course can be attended by gradual and Erasmus students. Unexcused absences will adversely affect the grade, and in case of absence from more than 30% of the total number of lessons student will fail the course. In the case of an illness or family emergency, the student must present a valid excuse, such as a doctor's note.

Evaluation + Grading

Grading will follow the course structure with the following weight: Study booklet – 10%, Project Presentation - 01, 40%, Project Presentation 02, 50%. 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:	86P-100P	71P-85P	56P-70P	41P-55P	0-40

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:

Ernst Neufert- Architects Data

-Constructing Architecture: Materials, Processes, Structures, Andrea Deplazes Publisher: Birkhauser; 1 edition (October 1, 2005)

More:

archdaily.com | divisare.com | dezeen.com | contemporist.com | architonic.com

Supplemental materials to the studio can be found on the drive:

https://drive.google.com/drive/folders/0B_QzuPPYO4atZE1nN2ZEWERXcHc?usp=sharing