General Information:

Name of Course: # DIPLOMA DESIGN PROJECT

Course Code:	PM-TESNE205
Semester:	10th
Number of Credits:	30
Allotment of Hours per Week:	4 Practical Lessons /Week
Evaluation:	Signature (with grade)
Prerequisites:	**Completed Building Structures and Complex Design.**

Responsible lecturer: **Erzsébet Szeréna ZOLTÁN dr., associate professor**
Iroda: 7624 Magyarország, Pécs, Boszorkány u. 2. B-319
E-mail: betty.zoltan@mik.pte.hu
Munkahelyi telefon: +36 72 503650/23817

Instructors: **Dr Krisztián KOVÁCS-ANDOR, associate professor**
Office: 7624 Hungary, Pécs, Boszorkány u. 2. Office No B-334
E-mail: k-andor@mik.pte.hu
Tamás MOLNÁR dr., associate professor
Iroda: 7624 Magyarország, Pécs, Boszorkány u. 2. B-341
E-mail: tmolnar@mik.pte.hu

General Subject Description

The Diploma Design Project is the last studio work in the Master of Architecture program, and is carried out as an individual design project during the final term of the program. The course focuses on exploring a design problem, developing design skills and methodologies in a specific area of interest, and engagement in design research within the architectural field.

Students have to be able demonstrate the acquired knowledge, creative design and problem-solving skills by discussing the Diploma Design Project in relation to contemporary concerns and in contemporary architectural context after completing the course. Hence it is not enough just to design a well-functioning building of high architectural quality, it is also important to understand the space, the genius loci and to find answers to current social problems as well. The students have to complete several planning phases to find the best solution and answer. In any case, the work starts with a detailed analysis of the problems and through its consequences the final design will be developed.

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

Learning Outcomes

The course will focus on:
- Individual design process, and development based upon relevant methodologies and design techniques
- complex architectural interrelations as demonstrating the progress in terms of understanding relevant functional needs, programming and construction techniques at the same time
- Bring questions and examine aspects of planning, human resources and legal concerns, all in direct relation to the specifics of design.
- Clear architectural communication at the presence of Professor's Group
- Carrying out within a specified time.

Subject content

This subject completes the study of the M.Sc. in Architecture program. It aims to assess students' knowledge and expertise, and determine whether they satisfy the requirements of a M.Sc. degree.

The Degree Project's course includes:
- Continuous consultation of the Diploma Design both with instructors in architecture and other related engineering fields (structure, mechanical engineering/HVAC system)

- The submission of the design and concept plan, complied with the formal requirements and their successful defense.
-The submission of the final design complied with the formal requirements .
- The submission of the thesis complied with the formal requirements
- In-depth diploma models (both urban and building scale)
-cd attachment

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

The Course includes:

- Regular (weekly) supervisions by teacher of the Architectural Institute. There are generating feedbacks by Main Supervisor after consultations and exams.
- Process Dairy Booklet (Sketch Book) which is assessed as part of the regular supervision by the Teacher contains sketches, ideas, the design process etc.
- 'Project Documentation' for planning permission of the designed building, as the summarize of the engineering working drawings documentation (ground plans, sections, elevations 1:100), and paper models (1:200). The drawing tasks must be backed up and attached on CD/DVD.
- Examinations in two stages (after the Schedule of the Course).

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://english.mik.pte.hu/codes-and-regulations*

Methodology

The course is based on through collaboration, participation and discussions. This is an interaction between Students and Faculty; used the teaching methods like 'Problem-based learning' and 'learning-by-doing'. The course is based on individual architectural skills with regular consultations and presentations.

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

Schedule

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

The rough outline of the schedule is as follows:
Week 1-6: Submitting the diploma project site and function Draft Plan (conception)
Week 7: Midterm Jury. REVIEW 01. – CONCEPT DESIGN (21st March)

- Required contain presented with printed posters:

o Analyses of the chosen function and site (inspirations, examples, conditions, relationships in space, needs requirements, etc.)
o Architectural Program (type, scale, use, form ideas, architectural ideas, materials, primer structures, functional diagrams)
o Presentation of the Building Site (analyses, diagrams, maps, photos, master plans, geographical and morphological conditions)
o Site Plans (1:1000 or 1:500)
o Floorplans 1:200 or as agreed with the tutor (and according to poster format)
o Sections – matching to the floorplans
o Plot and Building's Surrounding Paper Modell (1:1000/ 1:500)
o 3D views (at least 3)

The presentation will be held in form of an exhibition – using a template for the posters provided by the department with header and footer. (approx. 45x100cm) The plan must be presented on foam boards. The posters have to be carefully crafted and sophisticated both aesthetically and architecturally. The posters should be laminated on both

sides of a 3mm foam board. (inflated with glue spray!) Students must arrange the exhibition, the equipment of the hall, and the fixing of the tables on the frames and placing the paper models. The work of two students is on 1 frame and placed in space so that both sides of the table can be seen! Make the exhibition a demanding and aesthetic one and show a unified picture of the work of the class! The Exhibition must be ready by the 11.00 a.m. Then the teachers arrive and jointly look at and evaluate the completed work. The exhibition will stay in the Aula for a week and will be visible to all!

The plans must include:

- Presentation of the topic, contemporariness and social environment of the topic.
- Describe the needs, types, equipment and special needs of the chosen function
- Presenting the site and the environment with photos and drawings exploring the history and traditions of the area.
- Preparation and presentation of site analysis with charts, flow charts and maps of problems. (exploring the strengths and problems of an existing situation, evaluating both the natural and built environment, approaches, exploring prospects, analyzing the morphology of the area, vegetation analysis, etc.)
- Description of the architectural concept with responses to the issues raised.

Architectural plans presented on the poster:
-Conception, analysis, schema charts
-Introduction of the location with the help of color maps, figure-ground(solid-void) plans, neighborhood site plans
-Site plan M = 1: 500
- Main floor plan(s) M = 1: 500
- sections with the volume and landscape M = 1: 500
drafts, visual plans, sketches
-Paper model M = 1: 500 (M1: 1000,2000,4000 ....) depending on the scale of the building

Week 15: Midterm Jury PROJECT PERESENTATION 02. – PRELIMINARY DESIGN (16th May)
- Required contain presented with printed posters:
  - Site Plan with Building's Surrounding (1:500) (with built and natural environment)
  - Plans of all Different Levels (1:200)
  - Sections (1:200) (all the necessary for understanding)
  - Elevations
  - Views, Details, Architectural Ideas (min, 3.)
  - Scale Modell (for site: 1:500 or 1000 and 1:200 for the building)

The presentation will be held in form of an exhibition – the final format of the posters will be announced later
Week 17: ReReview of unaccepted projects

Week 19: Submitting the diploma design PROJECT PRESENTATION 03. – FINAL DESIGN PROJECT (11th January)
- Required contain presented with printed posters:
  - Thesis Booklet (detailed below)
  - General Description of the Project (with analyses, function, architectural program, context and concept, presentation of building's site surrounding and adjacent public places)
  - Site Plan (1:500) a./ the building site's boundaries, fences, gates, parking places b./ the contour lines of the slope, the main level heights c./ the connecting road system inside and outside the plot d./ the cardinal points e./ the planned buildings and objects of the plot with their names, main measures, and height dates f./ the sign and names of roads, covered and green areas, the main level heights g./ the height of ledge and ridge, the number of stories h./ tracks of the public utilities i./ the circulation of vehicles, transportation, people with different signs j./ eventual possible extension
  - Plan of each Different Level (1:100 or 1:200 – discussed by the supervisor) a./ beyond the main dimensions contain the measures of each room b./ doors with opening direction, windows with subdivisions c./ marking the functional necessary installation d./ the names, measures and coverings of the rooms e./ marking the close surroundings
  - Sections (1:100 or 1:200 – discussed by the supervisor, in necessary number for understanding) a./ the typical height measures and the plan measures of the axis b./ the level heights c./ the names of the structures and materials, the order of layers d./ the main equipment with greater need of space
  - Elevations (1:100 or 1:200 – discussed by the supervisor)
  - Views (in necessary number for understanding, min. 3 about the inner and 3 about the outer spaces), in high quality design and graphic
  - Interior Design Concept (views, details, render pictures, used materials and furniture etc.)
  - Technical Details (1:10, 1:20, 1: 50 - discussed by the supervisor)

o Paper Models (1:100 or 1:200 about the building and the close environment, and 1:500 or 1.1000 with the built and natural environment)

Week 19: Submitting thesis – (18th January)

- The thesis is a written part of the diploma, where the concept and evolution of the project must be presented on the basis of a thorough research. The thesis should be illustrated with pictures, drawings and sketches besides textual parts. The thesis must be presented both theoretically and aesthetically, graphically on a high level.

Formal requirements :
Landscape A3 format with black hard-paper cover, minimum 30 pages.

The thesis consists of 2 main parts:
a) description of the diploma work, (Minimum 20 pages), which must include:
-Analyzis of the environment with photos and sketches and description
Presentation of the selected type of building based on examples and descriptions.
- Description of the construction and structural and material concept and presentation of the plan
- plans, sketches, photos of draft models, parti diagrams.
- Presentation of applied structures and mechanical systems.
b) A3 extract of the diploma work sheets, model photos
- Formal and formal requirements of the CD Annex:
The diploma work must be digitally delivered on CD. Required content of the cd: The concept of semester and thesis work in pdf format, modeled photos in jpg format, text section in pdf format. The CD should be placed in a hard plastic case with an aesthetic cover! The cover should include the student's name, topic title, instructor and year of graduation, semester.

We reserve the right to make changes to the details of this course syllabus (date / location / clarifications), which will be communicated to the students. In case of questions and problems that arise during the semester contact the responsible lecturer or the study program coordinator.

Erzsébet Szeréna ZOLTÁN Dr.
responsible lecturer

Pécs, 04.02.2019