

DIPLOMA DESIGN PROJECT

Name of Course:
Course Code: PM-TESNE205
Semester: 10th
Number of Credits: 30
Evaluation: Signature
Prerequisites: Completed Design of Building Structures 2, and Complex Design

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Introduction, Learning Outcomes:

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 their academic and professional skills by discussing the Diploma Design Project in relation to contemporary concerns and in contemporary architectural context after completing the course.

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

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
- Clear architectural communication of the project to a jury
- Carrying out within a specified time

The Students must complete a form to register for the Diploma Design Examination, and must have the required language exam in English.

General Course Description and Main 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:

- Regular (weekly) supervisions by an appointed Main Supervisor (teacher of the Architectural Institute). In a special situation, a practicing architect or a foreign lector invited from the partner institutions of the Faculty, or as specialist (Additional Supervision) of the designed function with relevant expertise in field of architectural technology can be delegated to be a consultant on the approval of the Head of the Program. There are generating feedbacks by Main Supervisor after consultations and exams.
- A Thesis Booklet (minimum 35 A/3 pages) prepared with diagrams and written way on the chosen topic of building, constructions, function, technology, special design solutions and methods. The specialized tasks are related to the building and their documentation is presented in the essay. The Thesis Booklet (essay) must be prepared and submitted in one bound copy and on a CD/DVD. It has to be like a project summary witch is sent to the external jury approximately three weeks before the examinations.
- Degree Project connected to the Thesis Booklet for planning permission of the designed building, as the summary of the engineering working drawings documentation (ground plans, sections, elevations 1:100, 1:200), with a sufficient number of detail drawings (1:10, 1:5), and paper models (1:1000 or 1:500 and 1:100 or 1:200). The drawing tasks must be backed up and attached on CD/DVD to the diploma design project.

Methodology:

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

Schedule:

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

The rough outline of the schedule is as follows: Week 1-2: Submitting the diploma project site and function – as a 20*20 booklet – at least 2 different versions – the supervisors make the suggestion for the better one (content: introduction of the function – how it supports the society and the community, how it can be sustainable and easy to maintain for the community etc. Introduction of the site: plans, photo documentation – and the reasoning and the justification of the architectural program there (the booklet should be also uploaded to the drive as a compressed pdf https://drive.google.com/open?id=1oKlx_94_jNTkD7UFRx97Oi4k2la9A2d4)

Week 7: First Review. PROJECT PRESENTATION 01. – CONCEPT of the DESIGN (March 23th)

- 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, 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)
 - 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 – the final format of the posters will be announced later

Week 15: Midterm Jury PROJECT PERESENTATION 02. – PRELIMINARY DESIGN (May 18th)

- Required contain presented with printed posters:
 - o Site Plan with Building's Surrounding (1:500) (with built and natural environment)
 - o Plans of all Different Levels (1:200)
 - o Sections (1:200) (all the necessary for understanding)
 - o Elevations
 - o Views, Details, Architectural Ideas (min, 3.)
 - o 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 19: Final Review. PROJECT PRESENTATION 03. – FINAL DESIGN PROJECT (June 15th)

- Required contain presented with printed posters:
 - o Thesis Booklet (detailed below)
 - o General Description of the Project (with analyses, function, architectural program, context and concept, presentation of building's site surrounding and adjacent public places)
 - o 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
 - o 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
 - o 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 of Each Different Side (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)
- 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)

Studio Culture:

The course is based on through collaboration, participation and discussions through 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 result. In case of absence from more than 30% of the total number of lesson will be grounds for not passing the course.

Readings and Reference Materials:

<http://www.amazon.com/Architectural-Graphic-Standards-11th-Edition/dp/0471700916>
http://arch-grafika.ru/news/francis_d_k_ching_architectural_graphics_4th_edition/2014-03-10-2226 <http://www.amazon.com/Architectural-Graphics-Francis-D-Ching/dp/0470399112>