

Architecture of Workplaces 2
1st semester 2020/2021

COURSE DESCRIPTION

**MODIFIED CONTENT AND FORMAL REQUIREMENTS OF FINAL DESIGN
DUE TO DISTANCE EDUCATION MEASURES**

Due to the distance education system the formal and content requirements of the 3rd phase, final design of „Architecture of Workplaces 2 1st semester 2020/2021” will be partly modified.

1. No printed submission, exclusively digital submission is required!
2. The final design must be submitted in PDF form in the Moodle system. The exact place will be defined in a later message.
3. 2 separate PDF files must be submitted. The complete documentation as a compiled PDF file containing the project sheets and model photos. Beside the detailed documentation a compressed sheet containing all main elements of the project must be submitted as well. Hand drawings should be digitalized as well!
4. The maximum file size of the PDF file may be 30 MB! Optimizing the PDF files is the task of the student. Please, consider that exclusively submissions as compiled pdf file uploaded in the Moodle system will be accepted as fulfilment! No downloading from drive, no separate files!
5. A sample sheet for the compressed sheet is going to be find in the Moodle later.
6. You can find an “aid” with sheets of projects of the last years representing the expected technical presentation.

The name of the task should be marked uniformly:

„Architecture of Workplaces 2 1st semester 2020/2021”

Furthermore **the designed program, function, date and the name of the author** (and the consultant) has to be marked in the heading on each plan.

Content and formal requirements

Final design

- a) **Site plan m=1:500**, with the representation of:
 - the immediate surroundings of the plot, with the neighbouring buildings
 - the height relations, contour lines
 - the allocation of the designed establishments with names, number of floors, height, main dimensions and top view
 - roof heights, levels of entrances, connecting floors and terrain
 - the allocation of the subsidiary establishments
 - road network, the circulation of vehicles, transportation, people with different signs, with parking, loading ramps, the proposal for outer road connections of the plot
 - the inner roads for the personal and clients
 - marking the entrances, gates
 - the boundaries
 - the cardinal points
 - the green surfaces

- the regulations of the site and the parameters of the building in a comparative table on the site plan.

Depending on the project the whole site plan can be prepared in scale 1:1000, or 1:2000. But the immediate closer surrounding must be elaborated in scale 1:500.

- b) Floor plan(s) m=1:100** of each different floor, with the representation of:
- the names, measures and floor finishes of the rooms
 - the structural system
 - the load bearing structures and walls
 - beyond the main dimensions contain the measures of each room
 - the doors, windows, gates, skylights (doors with opening direction, windows with parapet heights, subdivisions)
 - constant fixtures and installations necessary for understanding (built-in equipment, shelves, dressing room equipment)
 - marking the functional necessary installation of offices, meeting rooms, kitchenettes...
 - the inner circulation of people and transportation
 - elements around the building
 - the name of used materials and colours
 - all other textual information.
- c) Section(s) m=1:100**, with an elaboration corresponding with the plans necessary for understanding – at least 2 sections perpendicular to each other are necessary, it is recommended across the stairs, containing:
- marking the bearing structures and space separating structures with layers and the order of layers
 - the structural system
 - the typical height measures
 - the forming of walls of the rooms in the section
 - the names of the structures and materials
 - the main equipment with greater need of space
 - the connecting outer constructions, levels, sidewalks, retaining walls...
 - the name of used materials and colours
 - all other textual information.

Only the main structural dimensions and heights should be indicated on the sections.

- d) Elevations m=1:100** at least 4 sides, with the representation of:
- the characteristic articulation of the elevation
 - the plasticity of the elevation
 - the colour of the elevation
 - the position and character of the doors, windows, gates, skylights
 - all elements, constructions mounted on the elevation
 - the names of the materials
 - all other textual information.

Two of the elevations should be prepared with colour graphic in order to represent the chosen materials, colours.

e) Perspective view

The perspective view should be a compiled, or freehand drawing representing the appearance and surroundings of the building. It can be a hand or CAD drawing.

f) Scale model m=1:200, 1:250

The base of the model should fit the building site. Photos of the scale model must be submitted in digital form.

g) Digital form

The final design must be submitted in PDF form in the Moodle system. The exact place will be defined in a later message.

Deadline for digital submission: **Friday, 11th December 2020 24:00.**

The files should be indicated with the year and the name of the student(s).

final design: Name of group, name of authors_2018_AoW2_function

poster: Poster_ Name of group, name of authors_2018_AoW2_function

h) Poster

Beside the detailed documentation a compressed sheet of A1 size containing all main elements of the project must be submitted as well, without scale. A sample sheet for the compressed sheet is going to be find in the Moodle later.

Important notice:

Should you use a CAD program for elaboration of your project it is highly recommended not to prepare the sections, elevations of your building simply by producing them by the CAD program based on the floorplan. For achieving the required quality of the drawing it is suggested instead to draw the sections, elevations with the traditional drafting method.

25th November 2020.

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