

DESIGN METHODOLOGY

Course leader: *Prof. Mihály BALÁZS DLA and*
Lecturer: Zoltan SCHRAMMEL DLA

Design Methodology deals with theoretical and practical methodology of architectural design flow. The point of theoretical Design Methodology is the design itself as a process mocked up. The process of architectural design thus can be compared to an informatics system, so for making the methodic more clear. Practical Design Methodology is closely connected to the Public Building Design 2 process itself, extending it with special design factors and details. Through analysing existing buildings and fictional situations interesting practical problems and solutions can be discussed. With the help of invited practicing architects, special methods of new facilities and building- reconstructions are presented, along with the design of technologically or structurally determined buildings. Because of its importance, sustainability, free access and ecological design will be touched along whole study.

Time schedule of the semester 2020 spring:

UPGRADED ON ACCOUNT OF EMERGENCY SITUATION FROM 03.12.

DATE	PROGRAM	LOCATION	TOPIC
Feb. 12.	lecture 1	BME K350	Introduction, general information about the semester course, welcome to FUN!
Feb. 19.	lecture 2	BME K350	Way of design basics - balance of spirit and material
Feb. 26.	lecture 3	BME K350	Way of design I. - components of design Issue of Homework I.
March 4.	lecture 4	BME K350	Way of design II. - methods of design Submission of Homework I.
March 11.	lecture 5	BME K350	Way of design III. - approaches to design
March 18.	lecture 6	-	no class extraordinary spring break
March 25.	Studio week	-	no class
Apr. 1.	lecture 7	BME K350 DISTANCE WORK	Way of design IV. - design factors of architecture TASK 1
Apr. 8.	lecture 8	BME K350 DISTANCE WORK	Architecture and art Issue of Homework II.
Apr. 15.	Spring Holiday	BME K350 DISTANCE WORK	Design phases and members - practice of design TASK 2
Apr. 22.	lecture 9	BME K350 DISTANCE WORK	New design concepts, social architecture Submission of Homework II.
Apr. 29.	lecture 10	BME K350 DISTANCE WORK	In memoriam Zaha Hadid TASK 3
May. 6.	lecture 11	BME K350 DISTANCE WORK	Design with architectural monuments - a special field of design TASK 4
May. 13.	lecture 12	BME K350 DISTANCE WORK	Summary

order of lectures might be changed during the semester

CONDITIONS

homework 1.: 26th of Feb. - 4th of March
 homework 2.: 8th of April - 22th of April
 final results: 22th of May 2020

Way of completion: active participation in lectures, submitting of valuable home-works - two during the semester **after 30th of March to follow the online lecture notes and tasks.**

Detailed requirements:

- ~~— participation in min. 70% of lectures~~
- ~~(checking of presence 5 times min. 2 must be positive),~~
- **submitted tasks about online distance lecture notes (4 tasks before MAY)**
- **submissions have to be completed in MOODLE system!**

BIBLIOGRAPHY

Nikolaus Pevsner: History of Building Types,
 Francis D.K. Ching: Architecture, form, space and order
 Neufert: Architects' Data Book,
 Charles Jencks: The New Paradigm in Architecture
 Robert Venturi: Complexity and Contradiction in Architecture,
 Francis D.K. Ching and others: A Global History of Architecture,
 Kenneth Frampton: A Critical History of Modern Architecture,
 Andrea Deplaces: Constructing Architecture: Materials, Processes, Structures
 Z.Schrammel: Notes for Design Methodology*

* can be downloaded from www.kozep.bme.hu or from BME_MOODLE- parallel with the course

January 2020. **upgraded 17. March 2020.**

Zoltan Schrammel DLA
 lecturer

