

## DESIGN METHODOLOGY

Course leader: *Prof. Mihály BALÁZS DLA*

Lecturer: Zoltan SCHRAMMEL

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 2018 spring:

DATE	PROGRAM	LOCATION	TOPIC
Feb. 7.	lecture	BME K350	Introduction, general information about the semester course, welcome to FUN!
Feb. 14.	lecture	BME K350	Way of design basics - balance of spirit and material
Feb. 21.	lecture	BME K350	Way of design I. - components of design Issue of Homework I.
Feb. 28.	lecture	BME K350	Way of design II. - methods of design Submission of Homework I.
March. 7.	lecture	BME K350	Way of design III. - approaches to design
March. 14.	lecture	BME K350	Way of design IV. - design factors of architecture
March. 21.	Studio week	-	no class
March. 28.	lecture	BME K350	Design phases and members - practice of design
Apr. 4.	Spring Holiday	-	no class
Apr. 11.	lecture	BME K350	Architecture and art Issue of Homework II.
Apr. 18.	lecture	BME K350	New design concepts, social architecture Submission of Homework II.
Apr. 25.	lecture	BME K350	Design with architectural monuments - a special field of design
May. 2.	site visit	CEU, Budapest, V. Nádor u. 9.	Visit of new building of CEU - designed by O'Donnell+Tuorney+Teampannon architects Guide: Máté HIDASNÉMETI (Teampannon)
May. 9.	lecture	BME K350	Summary

order of lectures might be changed during the semester

## CONDITIONS

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homework 1.:	21 <sup>st</sup> of Feb. - 28 <sup>th</sup> of Feb
homework 2.:	11 <sup>th</sup> of April - 18 <sup>th</sup> of April
final results:	8 <sup>th</sup> of June. 2017.

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Way of completion: active participation in lectures, submitting of valuable home-works - two during the semester

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Detailed requirements:

- participation in min. 70% of lectures (checking of presence 5 times - 3 must be positive),

## BIBLIOGRAPHY

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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 Deplazes: Constructing Architecture: Materials, Processes, Structures  
Z.Schrammel: Notes for Design Methodology\*

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\* can be downloaded from [www.kozep.bme.hu](http://www.kozep.bme.hu) - parallel with the course

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December 2017.

*Zoltan Schrammel*  
lecturer