

Subject: Building Constructions 7	Assistant:	2012/2013/2	Semester:
Professors: Miklós Svéd, Csaba Szikra	Dr Zoltán Hunyadi	BMEEPEST801	

TOPICS SCHEDULE

LECTURE			PRACTICAL CLASS	
week	date	topics	date	topics
1.	12. II.	Resources, Consumption, Sustainability	13. II.	Building Energy Modeling Practical I: Opaque And Transparent Space Boundaries
2.	19. II.	Energy, Fuels, Efficiency, Greenhouse Gas Emission	20. II.	Building Energy Modeling Practical II: Building Material Properties, Infiltration, Shading Parameters
3.	26. II.	Ecological Architecture / Green Building	27. II.	Building Energy Modeling Practical III: Operation Profiles, Building Systems, Weather Data
4.	05. III.	Performance Metrics and Economical Aspects of Sustainability	06. III.	Building Energy Modeling Practical IV: Model-Based Solar Analysis And Thermal Bridge Simulation
5.	12. III.	Building Energy Efficiency Standards and Directives	13. III.	Building Energy Modeling Practical V: Dynamic Energy Balance Analysis, Energy Performance Evaluation Report
6.	19. III.	Energy Efficient Architecture	20. III.	<i>Semester project consultation</i>
7.	26. III.	Energy Efficient MEP Systems	27. III.	Solar Architecture I Cs.Sz. Dateline: 1 st part of the semester project submission
8.	02. IV.	Stationery Building Energy Calculation Methods	03. IV.	Solar Architecture II Cs.Sz. Delayed submission of the 1 st part of the semester project
9.	09. IV.	Intensive design studio week	10. IV.	Intensive design studio week
10.	16. IV.	Dynamic Building Energy Simulation	17. IV.	Fire Protection Aspects of Environmental Conscious Building Retrofit L.T.
11.	23. IV.	Building Energy Performance Rating	24. IV.	Midterm test
12.	30. IV.	Sustainable Sites, Water Efficiency, Materials And Resources, Indoor Environmental Quality	31. V.	<i>Semester project consultation</i>
13.	07. V.	Sustainable Architecture: Green Building Models, Energy Efficiency Retrofits	08. V.	Rep. midterm (<i>semester project consultation</i>)
14.	14. V.	Studio week	15. V.	Studio week

Dateline of semester project handing in : 13rd of May, 2013, 12:00 h
(Delayed submission : 24th of May 2013, 12:00 h)