

# Program: Green.Building.Solutions. 2018



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		Day	Date	Start	End	Activity / Topic	Lecturer	Hours	Location
Preparation Work	Mon	June 21	09:00			Start Preparation Work			
	Fri	July 21		18:00		End Preparation Work		40,0	
<b>Introduction Day</b>									
Introduction & Orientation	Sat	July 21	All day		Arrival in Vienna / Check in				OeAD Molkereistraße Passive House Student Residence
	Sun	July 22	09:00	13:00	Orientation: program overview, intercultural training, and introduction	N. Morishita & B. Mayr	4,0		OeAD Housing Office, Ebendorferstraße 7, 1010 Vienna
			13:00	14:00	Lunch				
			14:00	18:00	Architectural City Tour Vienna	AZW	4,0		TBA
<b>Week 1</b>									
Module 1: Historical Development & Introduction to Green Building Design	Mon	July 23	08:00	09:00	Pick-up from dormitories to go the BOKU	Tutors			Dormitories
			09:00	10:30	The Architecture of 'Green Buildings' and Active House Design	G. Reinberg	1,5		BOKU SR06, SR09
			10:30	12:00	Student Presentations: Preparation Work	K. Stieldorf, G. Reinberg, P. Horn	1,5		BOKU SR06, SR09
			12:00	13:00	Lunch				
			13:00	16:30	Student Presentations: Preparation Work	K. Stieldorf, G. Reinberg, P. Horn	3,5		BOKU SR06, SR09
Module 2: Initial project design	Tues	July 24	09:00	10:30	Principles and Historical Development of Passive House Design	M. Treberspurg	1,5		BOKU SR06, SR09
			10:30	12:00	Circular Economy	M. Huber-Humer	1,5		BOKU SR06, SR09
			12:00	13:00	Lunch				
			13:00	14:30	Project Design Work Introduction, Student Groups and Guidelines	K. Stieldorf, G. Reinberg, P. Horn	1,5		BOKU SR06, SR09
			14:30	17:00	Project Work	K. Stieldorf, G. Reinberg, P. Horn	2,5		BOKU SR06, SR09
Module 3: Urban Planning, Policy and Design	Wed	July 25	08:15	09:00	Travel to the TU Vienna	Tutors			Dormitories
			09:00	11:00	Sustainability in Urban Planning, Part 1	E. Aufhauser, Y. Franz	2,0		TU Vienna Kuppelsaal
			11:00	12:15	New Thinking for a Sustainable Future	U. von Weizsäcker	1,3		TU Vienna Kuppelsaal
			12:15	13:15	Lunch				
			13:15	14:00	New Financial Structures for a Sustainable Future	U. von Weizsäcker	0,8		TU Vienna Kuppelsaal
			14:00	15:00	Panel Discussion	U. von Weizsäcker, C. Kreiss, H. Kromp-Kolb	1,0		TU Vienna Kuppelsaal
			15:00	15:30	Travel to TU Vienna Plus-Plus-Energy High Rise	Tutors	0,5		
			15:30	17:00	Visit: TU Vienna Plus-Plus-Energy Office Building	N. Morishita	1,5		TU Vienna, TUtheSky, Getreidemarkt 9, 1040 Vienna
	Thurs	July 26	09:00	10:00	Sustainability in Urban Planning, Part 2	E. Aufhauser, Y. Franz	1,0		BOKU SR06, SR09
			10:00	12:00	Socioeconomic Parameters of Sustainability Part 1	E. Aufhauser, Y. Franz	2,0		BOKU SR06, SR09
Module 4: Sustainable materials	Fri	July 27	09:00	10:30	Integrated Spatial and Energy Planning	G. Stöglehner	1,5		BOKU SR06, SR09
			10:30	12:00	International Development of Passive Houses	G. Lang	1,5		BOKU SR06, SR09
			12:00	13:00	Lunch				
			13:00	15:30	Project Work: Initial Concept Presentations	K. Stieldorf, G. Reinberg, P. Horn	2,5		BOKU SR06, SR09
			15:30	17:30	Visit: BOKU TÜWI Construction Site (Türkenwirt Student Services Building)	DI Adrian Huegel (Baumschlagler Hutter Partner ZT GmbH), S. Sattler (BOKU)	2,0		BOKU
		19:30	21:30	Cultural Activity: Waltzing Night	Eddy Franzen			Tanzschule Eddy Franzen, Jacquingasse 57, 1030 Vienna	
	Sat	July 28	13:00	14:00	History of Schönbrunn Castle	M. Treberspurg	1,0		Schönbrunn Castle
			14:00	16:00	Visit Schönbrunn Castle & Gardens (admission included in tuition)	M. Treberspurg	2,0		Schönbrunn Gardens
Free Day	Sun	July 29			Free Day			42,0	

Week 2

	Day	Date	Start	End	Activity / Topic	Lecturer	Hours	Location
Module 5: Construction Ecology & Smart Cities	Mon	July 30	08:15	09:00	Pick-up from dorms and travel to the TU Vienna	Tutors		Dormitories
			09:00	12:00	Construction Ecology - a key factor for sustainable buildings	Thomas Belazzi	3,0	TU, HS 7
			12:00	13:00	Lunch			
			13:00	14:30	<b>Workshop: Construction Ecology Project Implementation</b>	Thomas Belazzi	1,5	TU, HS 7
			14:30	16:00	Green roofs, green walls and interior greening	V. Enzi	1,5	TU, HS 7
			16:00	17:30	Comfort in PH by noise control and room acoustics: Comfort and Payback	R. Schild	1,5	TU, HS 7
			18:00	20:00	<b>Sports</b>			48-er Platz, 1140 Vienna
Module 6: Building Physics	Tues	July 31	09:00	10:30	Climate-Sensitive Design, Thermal Comfort and Thermal Bridges	T. Lewis	1,5	TU, HS 7
			10:30	12:00	Building Systems and Building Physics	D. Michulec	1,5	
			12:00	13:00	Lunch			
			13:00	14:30	Energy Balance in Buildings	K. Stieldorf	1,5	TU, HS 7
			14:30	17:00	<b>Project Work: Building Physics in the Project Design</b>	T. Lewis, Tutors	2,5	TU, HS 7
			19:00	21:00	<b>AEMS Panel Discussion: Monetary Reform</b>	H. Schuberth, C. Felber, R. Werner		Palais Harrach
Module 7: Innovative Energy Technologies	Wed	August 1	08:00	09:00	Pick-up from dorms to travel to AIT	Tutors		Dormitories
			09:00	10:30	Heat pumps in green buildings	Andreas Zottl	1,5	AIT
			10:30	12:00	Solar Thermal and its applications	Michael Lauer mann	1,5	AIT
			12:00	13:00	Lunch			
			13:00	14:30	Photovoltaic systems and its application	Marcus Rennhofer	1,5	AIT
			14:30	16:00	Innovative cooling processes	Markus Brychta, Peneder Businessbau	1,5	AIT
			16:00	18:00	<b>Visit: AIT Energybase</b>	P. Horn/G. Zucker	2,0	AIT
Module 8: Building Simulations	Thurs	August 2	09:00	12:00	<b>Project Work: Incorporating renewable &amp; innovative energy technologies</b>	P. Horn (AIT) / FH Technikum	3,0	TU, HS 7
			12:00	13:00	Lunch			
			13:00	17:00	<b>Workshop: Dynamic Thermal Simulations - Introduction (Sefaira/Polysun)</b>	P. Horn (AIT) / FH Technikum	4,0	TU, HS 7
	Fri	August 3	09:00	12:00	<b>Workshop: Dynamic Thermal Simulations - Deepening/Project Work</b>	P. Horn (AIT) / FH Technikum	3,0	TU, HS 7
			12:00	13:00	Lunch			
			13:00	14:30	<b>Project Work: Application of Simulation on Project</b>	P. Horn (AIT) / FH Technikum	1,5	TU, HS 7
			14:30	16:00	Building Information Modelling	A. Deralla (AllesWirdGut Architekten)	1,5	TU, HS 7
			16:00	17:30	Moisture-Safety in Buildings/Detailing Green Roofs	U. Berardi, Ryerson University	1,5	
			20:30	22:30	<b>Movie Night: Tomorrow</b>			Votivkino
Module 9: Daylight Engineering	Sat	August 4	08:00	09:30	Travel to the Danube University Krems, WESTBAHNHOF MEETING POINT	Tutors		Westbahnhof
			09:30	11:00	Daylight Engineering	G. Radinger	1,5	Danube University Krems
			11:00	12:30	Designing with Daylight	H. Hackl	1,5	Danube University Krems
			12:30	13:30	Lunch			
			13:30	15:00	<b>Workshop: Daylight Lab</b>	G. Radinger, Tutors	1,5	Danube University Krems
			15:00	17:00	<b>Project Work: Daylight Concept</b>	U. Berardi, H. Hackl, Tutors	2,0	Danube University Krems
			18:00	21:00	<b>Social Activity: "Heuriger" Mayer-Resch</b>	Krems		Mayer-Resch Heuriger, Krems
Free Day	Sun	August 5			Free Day			
							43,5	

## Week 3

Module	Day	Date	Start	End	Activity / Topic	Lecturer	Hours	Location
Module 10: Indoor & Outdoor Climate	Mon	August 6	08:30	09:00	Pick-up from dormitories: travel to Lakeside City Aspern	Tutors	3,0	Dormitories
			09:00	12:00	<b>Visit: Lakeside City Aspern - Aspern IQ, HoHo, OeAD-GreenHouse and OeAD-PopUp Dorms</b>	M. Feierer, A. Frankel, M. Mitterwallner, G. Lang		Lakeside City Aspern
			12:00	13:00	Lunch in Lakeside City Aspern			
			13:00	14:30	<b>Visit: Lakeside City Aspern - Aspern IQ, HoHo, OeAD-GreenHouse and OeAD-PopUp Dorms</b>	M. Feierer, A. Frankel, M. Mitterwallner, G. Lang		Lakeside City Aspern
			14:30	15:30	Travel from Lakeside City Aspern to Spittelau District Heating Plant	Tutors		
			15:30	17:30	<b>Visit: Spittelau District Heating Plant</b>	G. Baresch	2,0	Spittelau District Heating Plant
			18:00	20:00	<b>Sports</b>			<b>48-er Platz, 1140 Vienna</b>
Module 11: Project design work	Tues	August 7	09:00	12:00	<b>Project Work</b>	K. Stieldorf, G. Reinberg	3,0	TU TVFA Halle
			12:00	13:00	Lunch			
			13:00	17:00	<b>Project Work</b>	K. Stieldorf, G. Reinberg, P. Horn	4,0	TU TVFA Halle
			18:00	20:00	GBS Evening Lecture: Wolfgang Frey, Frey Architekten	W. Frey, Frey Architekten		TU, HS 7
	Wed	August 8	09:00	13:00	<b>Project Work</b>	K. Stieldorf, G. Reinberg	4,0	Lakeside City Aspern
			13:00	14:00	Lunch			
			14:00	17:00	<b>Project Work</b>	K. Stieldorf, G. Reinberg	3,0	TU TVFA Halle
	Thurs	August 9	09:00	12:00	<b>Project Work: Interim Presentations 2</b>	K. Stieldorf, G. Reinberg, P. Horn	3,0	TU TVFA Halle
			12:00	13:00	Lunch			
			13:00	17:00	<b>Project Work</b>	K. Stieldorf, G. Reinberg	4,0	TU TVFA Halle
Fri	August 10	09:00	12:00	<b>Project Work</b>	K. Stieldorf, G. Reinberg, P. Horn	3,0	TU TVFA Halle	
		12:00	13:00	Lunch				
			13:00	17:00	<b>Project Work</b>	K. Stieldorf, G. Reinberg	4,0	TU TVFA Halle
Final Presentation and Farewell	Sat	August 11	09:00	12:00	Individual Preparation for Project Work Presentation		3,0	
			12:00	13:00	<b>LUNCH BREAK: Please don't forget to eat something before you arrive!</b>			
			13:00	18:00	<b>Student Project Presentation / Certificate Ceremony</b>	G. Zucker, G. Reinberg, M. Treberspurg, K. Stieldorf, P. Franz, Moderation: P. Schöffman	5,0	TU Wien Kuppelsaal
			18:00	21:00	<b>Dinner and Farewell Party</b>			TU Wien Kuppelsaal
	Sun	August 12	until	13:00	Check Out			
							42,5	
							176	

Passive House Workshop	Mon	August 13	09:00	17:00	Passivhaus Passivhaus Planning Package (PHPP)	Laszlo Lepp, Passivhaus Austria	TU Wien
	Tues	August 14	09:00	17:00	Passivhaus designPH Software Tool	Laszlo Lepp, Passivhaus Austria	TU Wien
	Wed	August 15	09:00	17:00	<b>Excursion: Built Passive House Buildings</b>	Günter Lang, Passivhaus Austria	Various locations

Sto Foundation Excursion	Mon	August 13	09:00	17:00	Various locations around Vienna	TBA	Various locations
	Tues	August 14	09:00	17:00	Various locations around Vienna	TBA	Various locations
	Wed	August 15	09:00	17:00	Various locations around Vienna	TBA	Various locations

**PH** Palais Harach, Freyung 3, 1010 Vienna

**BOKU** SR06, Schwackhöferhaus, Peter-Jordan-Straße 82, 1190 Vienna

**TU Vienna** HS7, TU Vienna, Main Building, Karlsplatz 13, 1040 Vienna

**TU Vienna** TVFA Hall, Gußhausstraße 30, 1040 Vienna

**AIT** Giefinggasse 2, 1210 Vienna

**OEAD Residence** Molkereistrasse 2, 1020 Vienna

**Votivkino** Währinger Str. 12, 1090 Vienna

Academic Course Workshop Visit Extracurricular Activity Project Work AEMS events

**Check-In: Sat, July 21, 2018**

**Check-Out: Sun, August 12, 2018**

**\*All students can stay an additional week in dorm from August 13-17, 2018.**

**\*Passivhaus Workshop & Sto Excursion participants can stay in the dorm until August 20, 2018.**

Status 25.05.2018, subject to change without prior notice

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