

GBS 2021 - PROGRAM

Module	Time	Topic	Lecturer
17.07.2021 Saturday			
Module 0: Introduction & Orientation	13:00-16:00	Orientation	GBS Team, M. Bauer-Leeb, L. Hoormann
18.07.2021 Sunday			
Module 0: Introduction & Orientation	13:00-16:00	Ice Breaking + Virtual City tour + Quiz	GBS Team
WEEK 1			
19.07.2021 Monday			
Check-In Activity	13:00-13:30	Power up session	L. Hooreman
Module 0: Introduction & Orientation	13:30-17:00	Participants Presentations (Preparation Work)	K.Stieldorf, G. Reinberg, M. Turrini
Module 1: Global Challenges & Role of Buildings	17:00-20:00	Opening ceremony	Key notes: H. Kromp-Kolb, G. Heindl, A. Dafert. Moderation: Der Standard
20.07.2021 Tuesday			
Check-In Activity	13:00-13:30	Touch Point and General Q&A with GBS Team	GBS Team
Kick off. Green Buildings and Passive House			
Module 2: Historical development & Introduction to Green Building Design	13:30-14:15	Now is the Time for Regenerative Sustainability	M. Brown
	14:15-14:45	The Architecture of Green Buildings	G. Reinberg
	14:45-15:15	Historical Development and Principles of Passive House Design	M. Trebespurg
	15:15-15:45	Sustainability assessment & quality assurance of passive houses	L. Lepp
	15:45-16:15	International Development of Passive Houses	G. Lang
	16:15-16:20	Break	
	16:20-17:00	Ask an Expert moderated by D. Österreicher	G. Reinberg, M. Trebespurg, L. Lepp, G. Lang
21.07.2021 Wednesday			
Check-In Activity	13:00-13:30	Power up session	L. Hooreman
Project work kick-off			
Module 9: Team Design Project "Otto-Wagner-Areal; From historical site to positive energy campus"	13:30-14:30	Presentation and Introduction in Project Work	K. Stieldorf
	14:30-14:45	Presentation of the groups and first approach to the area. Guidelines for assignment.	K. Stieldorf, G. Reinberg
	14:45-15:30	Outlook from the CEU for the OWA in Vienna	TBA
Climate Adaptation			
Module 1: Global Challenges & Role of Buildings	15:30-16:15	Climate-sensitive Design	P. Holzer (TBC)
	16:15-17:00	Architecture for 2050. Strategies for microclimatic and carbon resilience in a changing climate	E. Naboni
Voluntary Activities	18:30	Sports Evening (For Vienna Based Participants)	
22.07.2021 Thursday			
Module 9: Team Design Project "Otto-Wagner-Areal; From historical site to positive energy campus"	09:00-11:00	Visit of the Otto Wagner Areal (For Vienna Based Participants)	GBS Team
Check-In Activity	13:00-13:20	Touch Point and General Q&A	GBS Team
GBS Special Guests	13:20-13:30	Architects4future	P. Schubert
Urban Scale: Social aspects			
Module 4: Socially inclusive & accessible urban spaces	13:30-16:00	Planning for Social Sustainability	Y. Franz, E. Aufhauser
	16:00-16:15	Break	
	16:15-17:00	Urban Co-creation in the Digital Age	D. Calas
Voluntary Activities	17:00-18:00	Evening program: Wood workshop	M. Palfi, F. Bürkle (Sihga)
	18:30	Dinner at typical Austrian restaurant "Heuriger" (For Vienna Based Participants)	

23.07.2021 Friday			
Check-In Activity	13:00-13:30	Power up session	L. Hooreman
Module 1: Global Challenges & Role of Buildings	13:30-14:00	Climate Modernity and the Keyrole of Architecture	C. Thun-Hohenstein
Comfort and wellness through the different scales			
Module 3: Quality of life in and around buildings	14:00-14:30	Daylight optimization	G. Radinger
	14:30-15:00	Building Systems and Building Physics	D. Michulec
	15:00-15:30	Microclimate and Outdoor Comfort	M. Turrini
	15:30-16:00	Landscape Design and Otto-Wagner-Area	M. Auböck
	16:00-16:30	Green roofs and Green walls	S. Formanek
	16:30-17:00	Q&A session	G. Radinger, D. Michulec, M. Turrini, M. Auböck, S. Formanek
24.07.2021 Saturday			
Check-In Activity	13:00-13:30	Touch Point and General Q&A with GBS Team	GBS Team
Excursion Day	13:30-17:00	Ilse-Wallentinhaus and TÜWI at BOKU	J. Kairi
25.07.2021 Sunday			
FREE DAY			
WEEK 2			
26.07.2021 Monday			
Check-In Activity	13:00-13:30	Touch Point and General Q&A with GBS Team	GBS Team
City scale strategies			
Module 7: Energy Concepts & Technologies	13:30-14:00	Urban energy planning	S. Sattler
	14:00-14:30	Positive energy districts	S. Schneider
	14:30-15:00	Mobility as a driver of sustainable cities	H. Frey
	15:00-15:30	PED and Energy Communities as Ppart of Smarter and Sustainable Urban Districts	G. Etminan
Project Work			
Module 9: Team Design Project "Otto-Wagner-Areal; From historical site to positive energy campus"	15:30-17:00	Project work: Assignment presentations	K. Stiedorf, G. Reinberg
27.07.2021 Tuesday			
Check-In Activity	13:00-13:30	Power up session	M. Bauer-Leeb
Materials and circular economy			
Module 5: Circular economy in building sector	13:30-14:00	Building Resiliency through Energy efficiency in a post-pandemic world	U. Berardi
	14:00-14:30	Tackling a Double Challenge – How to Build More While Using Less	R. Bechmann
	14:30-15:00	Circular economy as strategy for cities	A. V. Deinhammer, C. Schrenk
	15:00-15:10	Break	
	15:10-15:15	Short Input International collaboration Vienna-Vancouver	N. Mothes
	15:15-15:45	Resource Salvation - the Architecture of Reuse	M. Gorgolewski
	15:45-16:15	Mass Timber elements in high performance buildings - 40 Storey wood tower in Vancouver	P. Moonen
	16:15-17:00	Q&A with the lecturers	Moderation: A.V. Deinhammer

28.07.2021 Wednesday			
Check-In Activity	13:00-13:15	Touch Point and General Q&A with GBS Team	GBS Team
Module 5: Circular Economy in building sector	13:15-13:30	"NawaRos" - Ecologic Materials. Part 1	K. Stieldorf
Economy for sustainable buildings			
Module 6: Economy for sustainable buildings	13:30-14:15	Building certification as market driver	K. Killmann
	14:15-15:00	Green Financing mechanisms	F. Trebut, K. Muner-Samer
	15:00-15:45	Attractive green projects for investors	M. Markov
	15:45-16:30	Creating long term value with green buildings	M. Ross
	16:30-17:00	Q&A with the lecturers	Moderation: GBS Team
29.07.2021 Thursday			
Check-In Activity	13:00-13:30	Power up session	M. Bauer-Leeb
Building systems			
Module 7: Energy Concepts & Technologies	13:30-14:15	Heat pumps in green buildings	M. Lauermann
	14:15-15:00	Solar thermal and its application	M. Lauermann
	15:00-15:45	Photovoltaic systems and their applications	K. Berger
	15:45-16:30	Energy Networks. Urban Heat Supply for the future	B. Pfefferer
	16:30-17:00	Discussion on trade-offs of different strategies	Moderation: G. Reinberg & K. Stieldorf
30.07.2021 Friday			
Check-In Activity	13:00-13:15	Touch Point and General Q&A with GBS Team	GBS Team
Module 5: Circular Economy in building sector	13:15-13:30	"NawaRos" - Ecologic Materials. Part 2	K. Stieldorf
Tools block			
Module 8: Software Toolbox (Building Modelling & Simulations)	13:30-15:00	BIM	A. Deralla
	15:00-16:15	Introduction to thermal simulations - Theory	P. Horn
	16:15-16:30	Short introduction to IDA.Ice and Polysun	P. Horn, J. Leibold
	16:30-17:00	Q&A on the Project work and Simulation Programs	K. Stieldorf, G. Reinberg, P. Horn, J. Leibold (TBC)
Voluntary Activities	17:30-18:30	Visit to a Passive House refurbished flat	R. Schild
31.07.2021 Saturday			
Check-In Activity	13:00-13:30	Touch Point and General Q&A with GBS Team	GBS Team
Excursion Day	13:30-17:00	Passathon - aspern Seestadt / GreenHouse / PopUp dorm	G. Lang, M. Lang
01.08.2021 Sunday			
FREE DAY			
WEEK 3			
02.08.2021 Monday			
Voluntary Activities	09:00-10:00	Tiny House - Take 1	D. Murphy
Check-In Activity	13:00-13:15	Touch Point and General Q&A with GBS Team	GBS Team
Module 5: Circular Economy in building sector	13:15-13:30	"NawaRos" - Ecologic Materials. Part 3	K. Stieldorf
Simulations workshops			
Module 8: Software Toolbox (Building Modelling & Simulations)	13:30-17:00	IDA.Ice and Polysun in parallel	P. Horn, J. Leibold
Voluntary Activities	18:00-19:00	Tiny House - Take 2	D. Murphy

03.08.2021 Tuesday			
Check-In Activity	13:00-13:30	Reflexion	M. Bauer-Leeb
Project Work: Feedback Session			
Module 9: Team Design Project "Otto-Wagner-Areal; From historical site to positive energy campus"	13:30-17:00	Individual Feedback to groups by Experts Supervision Building Simulations/Energy Concept	G. Reinberg, K. Stieldorf, M. Turrini, P. Horn , J. Leibold
04.08.2021 Wednesday			
Check-In Activity	13:00-13:30	Touch Point and General Q&A with GBS Team	GBS Team
Project Work: Feedback Session			
Module 9: Team Design Project "Otto-Wagner-Areal; From historical site to positive energy campus"	13:30-17:00	Individual Feedback to groups by Experts	G. Reinberg, K. Stieldorf, M. Turrini
05.08.2021 Thursday			
Check-In Activity	13:00-13:30	Reflexion	M. Bauer-Leeb
Project Work: Interim Presentations			
Module 9: Team Design Project "Otto-Wagner-Areal; From historical site to positive energy campus"	13:30-17:00	Individual Feedback to groups by Experts Supervision Building Simulations/Energy Concept	G. Reinberg, K. Stieldorf, M. Turrini, P. Horn , J. Leibold
06.08.2021 Friday			
Check-In Activity	13:00-13:30	Touch Point and General Q&A with GBS Team	GBS Team
Project Work: Final Preparation Phase			
Module 9: Team Design Project "Otto-Wagner-Areal; From historical site to positive energy campus"	13:30-17:00	Individual Feedback to groups by Experts Supervision Building Simulations/Energy Concept	G. Reinberg, K. Stieldorf, M. Turrini, P. Horn , J. Leibold
07.08.2021 Saturday			
Check-In Activity	13:00-13:30	Touch Point and General Q&A with GBS Team	GBS Team
Final Project Presentations			
Final Presentation and Farewell	13:30-18:00 18:00-20:00	Final Group Project Presentations Certificate Ceremony and Farewell Party	including GBS jury with experts Students, Sponsors, Partners, Heads. Moderation: TBA
08.08.2021 Sunday			
FREE DAY			

TBC

To Be Confirmed

TBA

To Be Announced