

GBS 2025_PROGRAM



TECHNISCHE
UNIVERSITÄT
WIEN
Vienna University of Technology



Module		Topic	Location	Lecturer
WEEK 1				
14.7.2025	Monday	KICK OFF & INTRODUCTION		
Module 0. Introduction and orientation	09:00 - 10:20	Introduction & Orientation	BOKU - ILWA	B. Mayr, M. Turrini, GBS Team
Module 1: Global Challenges & Role of Buildings	10:20 - 10:30	Break		
	10:30 - 11:30	Building(s) for the future. Challenges and solutions for a sustainable built environment.	BOKU - ILWA	S. Schleicher, D. Östereicher
	11:30 - 11:40	Break		
	11:40 - 12:40	EU Taxonomy	BOKU - ILWA	M. Ramsauer
	12:40 - 13:40	Lunch Break		
	13:40 - 15:20	Round table discussion. Save the planet or adapting to the changes? Socio-political aspect	BOKU - ILWA	Moderation: D. Östereicher
	15:20 - 15:30	Break		
	15:30 - 16:30	Building Green from a Spatial Planners Perspective.	BOKU - ILWA	G. Stöglehner
15.7.2025	Tuesday	URBAN SCALE: SOCIAL SUSTAINABILITY		
Module 0. Introduction and orientation	09:00 - 09:15	Feedback and discussion session	BOKU - ILWA	GBS team
Module 2: Socially inclusive and accessible urban spaces	09:15 - 10:15	Socio-Cultural Aware Urbanism From Approach to Object	BOKU - ILWA	D. Calas
	10:15 - 10:25	Break		
	10:25 - 11:25	Planning for social sustainability	BOKU - ILWA	Y. Franz
	11:25 - 11:35	Break		
	11:35 - 12:35	Linear Parks - Developing multifunctional public spaces	BOKU - ILWA	S. Netsch
	12:35 - 13:35	Lunch break		
Module 9: Project work	13:35 - 17:00	Project Work kick-off	BOKU - ILWA	D. Calas, K. Stieldorf, G. Reinberg, M. Turrini
16.7.2025	Wednesday	URBAN SCALE: ENERGY PLANNING		
Module 0. Introduction and orientation	09:00 - 09:15	Feedback and discussion session	BOKU - ILWA	GBS team
Module 3: Urban strategies for decarbonisation	09:15 - 10:15	Urban energy planning and Anergy	BOKU - ILWA	A. Aichinger
	10:15 - 10:25	Break		
	10:25 - 11:25	Geothermics and its application	BOKU - ILWA	E. Haslinger
	11:25 - 11:35	Break		
	11:35 - 12:35	Digital Twins and Positive Energy Districts: Transforming Urban Landscapes	BOKU - ILWA	G. Etminan
	12:35 - 13:35	Lunch Break		
	13:35 - 14:35	Introduction to Smart Cities	BOKU - ILWA	L. Rücker
	14:35 - 14:45	Break		
Module 9. Project work	14:45 - 16:30	Project work	BOKU - ILWA	D. Calas, Y. Franz
	17:00 - 22:00	Opening ceremony. Democracy in a Changing Climate	TÜWI Auditorium - BOKU	
17.7.2025	Thursday	ARCHITECTURE SCALE		
Module 0. Introduction and orientation	09:00 - 09:15	Feedback and discussion session	BOKU - ILWA	GBS team
Module 4: Introduction to green building design and Passive house standard	09:15 - 10:15	The Architecture of Green Buildings	BOKU - ILWA	G. Reinberg
	10:15 - 10:25	Break		
	10:25 - 11:25	Passive House, a constantly up-to-date building concept	BOKU - ILWA	L. Lepp
	11:25 - 11:35	Break		
	11:35 - 12:35	Building Physics: building envelope and indoor comfort parameters	BOKU - ILWA	D. Michulec
	12:35 - 12:45	Break		

	12:45 - 13:15	TU PlusPlus building	BOKU - ILWA	D. Michulec
	13:15 - 14:15	Lunck Break		
	14:15 - 15:45	Round table discussion. Choosing sustainability in the building sector	BOKU - ILWA	Moderation: TBC, Panel: Speakers of the day + guest
	15:45 - 15:55	Break		
	15:55 - 16:15	Passive House refurbished flat.	BOKU - ILWA	R. Schild
	16:15 - 16:25	Break		
Module 9. Project work	16:25 - 17:55	Project work	BOKU - ILWA	GBS Team
Voluntary evening program	18:30 - 19:30	Visit to a refurbished flat in Passive House standard	Vienna 1210	R. Schild
18.7.2025	Friday	CLIMATE AND COMFORT		
Module 0. Introduction and orientation	09:00 - 09:15	Feedback and discussion session	BOKU - ILWA	GBS team
Module 5: Quality of life in and around buildings	09:15 - 10:15	Outdoor Comfort in a Changing Climate	BOKU - ILWA	M. Turrini
	10:15 - 10:25	Break		
	10:25 - 10:55	Passathon presentation	BOKU - ILWA	G. & M: Lang
	10:55 - 11:05	Break		
	11:05 - 12:05	Microclimate in Vienna	BOKU - ILWA	M. Ratheiser
	12:05 - 13:05	Lunch Break		
Module 9. Project work	13:05 - 14:05	Visions for the project area: Westbahnhof Initiative + Q&A	BOKU - ILWA	Westbahn Initiative, GBS Team
	14:05 - 14:15	Break		
	14:15 - 17:00	Project work	BOKU - ILWA	GBS Team
19.7.2025	Saturday	DAYLIGHT IN KREMS AN DER DONAU		
	08:00	Meetup bus travel + Feedback and discussion		
Module 5: Quality of life in and around buildings	09:30 - 13:00	Daylight in Krems	Donau Universität - Krems	G. Radinger, M. Turrini
	13:00- 14:00	Lunch break		
	14:00 - 16:00	Excursion in Krems		
20.7.2025 Sunday				
FREE DAY				
WEEK 2				
21.7.2025	Monday	CARBON NEUTRALITY		
Module 0. Introduction and orientation	09:00 - 09:15	Feedback and discussion session	TU-Wien Karlsplatz Härschel AE U1 - 1	GBS team
Module 6: Nature based solutions	09:15 - 10:15	Alternative building materials	TU-Wien Karlsplatz	K. Stieldorf
	10:15 - 10:25	Break		
	10:25 - 11:25	Green Roofs and Green Walls	TU-Wien Karlsplatz Härschel AE U1 - 1	K. Mauss
	11:25 - 11:35	Break		
	11:35 - 12:35	Mud in the construction sector	TU-Wien Karlsplatz Härschel AE U1 - 1	K. Stieldorf
	12:35 - 13:35	Lunch break		
Module 7. Software Toolbox	13:35 - 15:35	LCA of buildings + workshop	TU-Wien Karlsplatz Härschel AE U1 - 1	A. Koch
	15:35 - 15:45	Break		
Module 9: Project work	15:45 - 17:30	Project work	TU-Wien Karlsplatz Härschel AE U1 - 1	GBS TEAM
Evening Program	18:00	Optional: Sports evening: Soccer, Tennis, Volleyball, Chill out	48er Platz	48er Platz
22.7.2025	Tuesday	CIRCULAR ECONOMY		
Module 0. Introduction and orientation	09:00 - 09:15	Feedback and discussion session	TU-Wien Karlsplatz Härschel AE U1 - 1	GBS team
Module 10: Project work	09:15 - 11:15	Project work	TU-Wien Karlsplatz Härschel AE U1 - 1	GBS TEAM
Module 7. Circular economy in the building sector	11:15 - 11:25	Break		
	11:25 - 12:25	Urban Mining	TU-Wien Karlsplatz Härschel AE U1 - 1	T. Romm
	12:25 - 13:25	Lunch break		
	13:25 - 14:25	Circularity as one of the secret tools tackling sustainability in the construction sector. Why, What, For and How?	TU-Wien Karlsplatz Härschel AE U1 - 1	A.-V. Deinhammer
	14:25 - 14:35	Break		
	14:35 - 16:05	Round table discussion. Circular economy	TU-Wien Karlsplatz Härschel AE U1 - 1	Moderation: GBS Team

Evening Program	18:00 - 19:30	Walzing night	Dancing School	
23.7.2025	Wednesday	BUILDING SYSTEMS		
Module 0. Introduction and orientation	09:00 - 09:15	Feedback and discussion session	TU-Wien Karlsplatz Hörsaal AE U1 - 1	GBS team
Module 8. Renewable energy technologies for decarbonisation	09:15 - 10:15	Solar thermal and architecture	TU-Wien Karlsplatz Hörsaal AE U1 - 1	R. Hackstock
	10:15 - 10:25	Break		
	10:25 - 11:25	Heat pumps in green buildings	TU-Wien Karlsplatz Hörsaal AE U1 - 1	T. Natiesta
	11:25 - 11:35	Break		
	11:35 - 12:35	Photovoltaics and its applications	TU-Wien Karlsplatz Hörsaal AE U1 - 1	K. Berger
	12:35 - 13:35	Lunch break		
Module 7. Software Toolbox	13:35 - 14:35	AI applicatios for urban microclimate calculations	TU-Wien Karlsplatz Hörsaal AE U1 - 1	A. Chronis
	14:35 - 14:45	Break		
	15:30 - 17:30	Excursion: AIT Labs	AIT	GBS TEAM + AIT Team (S. Zamini)
Evening program	18:30 - 20:00	AEMS Public Panel Discussion: Financing the Green Transition	BUWOG	
24.7.2025	Thursday	EXCURSIONS DAY		
	09:30 - 11:30	Excursion - Sonnwendviertel	Straße 1/5, 1100 Wien	
	11:30 - 12:30	Lunch break		
	12:30 - 12:45	Feedback and discussion session	TU-Wien Karlsplatz Hörsaal AE U1 - 1	GBS team
Module 7. Software Toolbox	12:45 - 13:30	Rhinoceros - Grasshopper: guidelines	TU-Wien Karlsplatz Hörsaal AE U1 - 1	M. Turrini
	13:30 - 13:40	Break		
Module 9. Project work	13:40 - 15:40	Project Work	TU-Wien Karlsplatz	GBS Team
	15:40 - 15:45	Break		
	15:45 - 17:15	Excursion - Wien Museum		
25.7.2025	Friday	TOOLS		
Module 0. Introduction and orientation	09:00 - 09:15	Feedback and discussion session	TU-Wien Karlsplatz Hörsaal AE U1 - 1	GBS team
Module 7. Software Toolbox	9:15 - 11:15	INFRARED. AI for outdoor comfort assessment	TU-Wien Karlsplatz Hörsaal AE U1 - 1	A. Chronis, S. Genc
	11:15 - 11:25	Break		
	11:25 - 12:25	OpenBIM and Sustainability	TU-Wien Karlsplatz Hörsaal AE U1 - 1	A. Deralla
	12:25 - 13:35	Lunch break		
	13:35 - 17:00	Project Work	TU-Wien Karlsplatz Hörsaal AE U1 - 1	GBS Team
26.7.2025	Saturday	HONEYBEE workshop		
	09:30 - 10:00	Brunch :)	TU-Wien Karlsplatz	GBS Team
Module 9. Project work	10:00 - 13:30	Workshop - HONEYBEE	TU-Wien Karlsplatz	GBS Team
27.7.2025 Sunday				
	10:00-13:00	FREE DAY (optional: Social Housing Tour w. Eugene Quinn, starting pointing: Haus Panorama)		
WEEK 3				
28.7.2025	Monday	SIMULATIONS & PROJECT WORK		
Module 0. Introduction and orientation	09:00 - 09:15	Feedback and discussion session	TU-Wien Karlsplatz	GBS team
	09:15 - 13:00	Project work: Interim presentations	TU-Wien Karlsplatz	K. Stieldorf, G. Reinberg, D. Calas, M. Turrini
	13:00 - 14:00	Lunch break		
	14:00 - 18:00	Project Work	TU-Wien Karlsplatz	GBS Team
Evening Program	18:00	Optional: Sports evening: Soccer, Tennis, Volleyball, Chill out	48er Platz	
29.7.2025	Tuesday	PROJECT WORK		
Module 9. Project work	09:00 - 12:00	Project work	TU-Wien Karlsplatz	GBS Team
	12:00 - 13:00	Lunch break		

	13:00 - 18:00	Project Work	TU-Wien Karlsplatz	GBS Team
Evening program	19:00-21:00	Movie Night - Screening of the movie "Outgrow the system" by Cecilia Paulsson	Votivkino	
30.7.2025	Wednesday	PASSATHON		
Excursion	09:00 - 16:00	Excursion: Passathon in the Seestadt, incl. PopUp dorms and Green House	Vienna - Seestadt	G. Lang, M. Lang, GBS team, Tutors
Evening program	18:00	Dinner at a typical "Heurigen"	Restaurant "Mayer am Pfarrplatz"	
31.7.2025	Thursday	PROJECT WORK		
Module 9. Project work	09:00 - 12:00	Project work	TU-Wien Karlsplatz	GBS Team
	12:00 - 13:00	Lunch break		
	13:00 - 18:00	Project Work	TU-Wien Karlsplatz	GBS Team
1.8.2025	Friday	PROJECT WORK		
Module 9. Project work	09:00 - 12:00	Project work	TU-Wien Karlsplatz	GBS Team
	12:00 - 13:00	Lunch break		
	13:00 - 18:00	Project Work and final delivery	TU-Wien Karlsplatz	GBS Team
2.8.2025	Saturday	FAREWELL		
Module 9. Project work	09:00 - 12:00	Individual preparation to the final presentation		
	12:00 - 13:30	Lunch break		
	13:30 - 17:30	Final presentations	Kuppelsaal TU	K. Stieldorf, G. Reinberg, D. Calas, M. Turrini
	18:00 - 20:00	Closing ceremony	Kuppelsaal TU	Moderated by E. Quinn
OeAD student housing residence		OeAD guest house Molkereistrasse, Molkereistrasse 1, 1020 Wien		
BOKU University		Ilse-Wallentin-Haus, Peter-Jordan-Straße 82, 1180 Wien		
TU Vienna - Technische Universität		TU Vienna, Main Building, Karlsplatz 13, 1040 Vienna		
Austrian Institute of Technology (AIT)		Giefinggasse 2, 1210 Vienna		
Mayer am Pfarrplatz		Pfarrpl. 2, 1190 Wien		
Cinema		Votivkino, Währinger Str. 12, 1090 Wien		
48er Platz		Achtundvierziger Platz, 1140 Wien		
Project side		Felber Straße, 1150 Wien		
Dance school Rueff		Friedrich-Schmidt-Platz 4, 1080 Wien		
BUWOG Group GmbH		1 Rathausstraße 1010 Wien		