

Modules	Activities	Speakers/Contributors*
Week 1		
Program Kick-off and orientation	Opening event with presentations, partners and sponsors Welcome address, presentation of the people, program and ways of working Virtual tour of the most liveable city in the world: Vienna	Partners, GBS staff and participants
Module 0: Preparation Homework	Study material is provided to participants which need to deliver the initial assignment before the program begins	GBS staff and participants
Module 1: Historical Development & International Green Building Design	Live talks - The Architecture of 'Green Buildings' and Active House Design - Principles and Historical Development of Passive House Design (TBC) - International Development of Passive Houses Followed by panel discussion with Q&A	Georg Reinberg, Reinberg Architekten ZT Martin Treberspurg, Treberspurg & Partner Architekten Günter Lang, Lang Consulting
Module 2: Urban Planning, Policy and Design	Live-Lecture & Discussion: „Planning for social mix“ Input Part 1 / 2 Q & A	Yvonne Franz, University of Vienna Elisabeth Aufhauser, University of Vienna
Module 3: Energy Planning and Positive Energy Districts	Live talks - Integrated Spatial and Energy Planning (TBC) - Positive Energy Districts Followed by panel discussion with Q&A	Gernot Stöglehner, BOKU University Simon Schneider, University of Applied Sciences Technikum Wien
Module 4: Sustainable Design & Ecological Buildings	Virtual building tours with experts - Award winning TÜWI Study Centre - BOKU New Seminar Centre Wood construction Q & A: Wood as a sustainable building material (broadcasted live from BOKU)	Roman Smutny, BOKU Facility Management
Week 2		
Module 5a: Construction Ecology	Live talks - Recycling in the building sector - Innovative building materials Followed by panel discussion with Q&A	Umberto Berardi, Ryerson University Toronto
Module 5b: Green Cities	Live talks - Green Green roofs and green walls - Virtual roof top garden tour on GSG office building - Vienna City Walk: Green walls	Susanne Formanek, GrünStattGrau Vera Enzi, GrünStattGrau
Module 6: Building Physics	Self study period - Sustainability assessment & quality assurance of PH and components - Building Systems and Building Physics Followed by live input and feedback sessions Live example of an award winning passive house Virtual live tour through TU Vienna Plus-Plus-Energy Office Building Followed by Q & A and live discussions	Laszlo Lepp, PHI Dawid Michulec, Neubau best.energy Experts panel from TUtheSky
Module 7: Innovative Energy Technologies	Self study period with expert input from Austrian Institute of Technology (AIT) - Heat pumps in green buildings - Solar Thermal and its applications - Photovoltaic systems and its application Followed by Q & A and live discussions Virtual buildings tour of AIT Labs and AIT EnergyBase	Andreas Zotti, AIT Michael Lauermann, AIT Marcus Renhöfer, AIT Tim Selke, AIT
Module 8: Building Simulations and Information Modelling	Module 8a: Building Simulations and Information Modelling - Dynamic Thermal Simulations - Introduction Sefaira and Polysun Simulation-Tools Part I Module 8b: Building Simulations and Information Modelling - Dynamic Thermal Simulations Part II - Deepening (Sefaira / Polysun) / Project Work	Aurélien Bres, AIT Peter Franz, University of Applied Sciences Technikum Wi
Module 9: Daylight Engineering	Self Study period - Daylight Engineering - Designing with Daylight Tasks: Design a floor plan of building models for the simulation of daylight on building facades in the project group Interactive session in the Light Lab Live testing of submitted floor plans and building models for simulation of daylight on building facades with windows in the light lab Q & A session and discussion in project teams	Gregor Radinger, Danube University Krems Marcello Turrini, Architekturbüro Marcello Turrini ZT
Week 3		
Module 10: City development	Virtual Tour of the Urban Lakeside City Aspern - Aspern IQ Technology Centre - OeAD GreenHouse - Pop-Up Dorms	

Green.Building.Solutions. 2020 Project Work "Positive Energy Districts - Designing with Heritage"

	Activities	Speakers/Contributors
Week 1		
Introduction to Project Work topic and methodology	Self-Study Period and Introduction to Project Work - Get to know Otto Wagner and his architecture - Get to know the area (history, data & facts) - Input about Heritage Protection in Austria / Vienna Live Presentation about Project Design Work Introduction, Guidelines and Assignment	Participants Karin Stieldorf, TU Wien
	Followed by - Virtual site visit of the Otto Wagner Areal - separation in project groups - get to know your project group / find your first ideas - final Q & A session about project work	Hosts TBC
	Initial Concept Design in project teams Prepare / Record: Initial Concept Presentations and Project Work Concept presentations: - Initial Concept Presentations (live or recorded) - Individual feedback sessions	Participants, professors and supervisors
Week 2		
	Teams work on project in parallel to sessions - daylight modelling / building simulation - individually organized in project groups	Participants
Week 3		
Project finalization and review sessions	Project focus week Group work: - individual work in groups on projects and / or - theory inputs by professors - interactive sessions: questions & needs by students	Participants, professors and supervisors
	Individual preparation for project presentation	Participants
Final Presentation and Farewell	Final Student Project Presentation: Individual online presentations via video-conference and final feedback from jury & audience	All
	Certificate Ceremony and Farewell Event	Participants