



Green. Building. Solutions.

Vienna Summer University, 24. July-14. August 2011([more](#))

Program Dates

24 July to 14 August 2011

Registration Deadline

25 April 2011

Program Fee ([more](#))

Euro 1.900/2.300,-- (students/alumni),
including all listed program components,
funding opportunities offered

How to apply ([more](#))

at www.summer-university.com,
open for Master-level students and alumni

Courses ([more](#))

- 60 Contact Hours (8 ECTS) on
 - Sustainable Urban Development
 - Energy Efficient Building Solutions
 - Passivhaus
- Workshops
 - Aspang & [Wien Seestadt Aspern](#)
 - [solarCity Linz](#)
 - [Daylight Dome Krems](#)
- Passivhaus Visits
 - Energy Base
 - oead Passivhaus

Excursions & Activities ([more](#))

- Community Heating Plant
- Sewage Purification Plant
- Architectural City Tour of Vienna
- Viennese Waltzing night
- Danube River Highlights Tour
- Salzburg City visit
- Opera/Schönbrunn (optional)
- Movie & Discussion nights

Accommodation in OeAD Passivhaus

First hand ecological knowledge and engineering expertise bundled in a three-week program in the capital of energy efficient building: Vienna. Think sustainable, take care of your future - now.

Comfortable living - summer and winter - without energy intense heating or cooling systems? Fresh air without temperature loss? "Passivhaus" is the leading standard for energy efficient building solutions. The investment is evened out rapidly by cutting operating cost by 9/10th and makes its inhabitants independent from rising energy prices and fossil fuels. And: its' profitability and environmental viability turns it into an opportunity for specialized architects.

Austria is the pioneer in Passivhaus-Technology: 3,2 Mio m² of floor space out of 7,0 Mio m² in whole Europe are found here.

Managing the increased need of specialized skills in planning and execution can be handled through substantiated advanced training. This program is your chance to step into this building standard of the future already today and become a first mover in the growing market of energy efficient building.

It offers an introduction and outlook of sustainable architecture as well as sustainable urban development and planning while presenting leading examples.

You will find an overview of green building rating systems and learn about ecological building materials and renewable resources in order to understand buildings over their life-cycle. With the integration of renewable energies into building concepts you will grasp the concept of the Passivhaus.

- **Learn from the best:** acquire cutting-edge skills from an Austrian consortium of six universities, experts and alliances in an interdisciplinary setting
- **Best practice at hand:** connect theoretical knowledge and practical expertise right on site
- **Try it yourself:** enjoy to live in a Passivhaus
- **Benefit your clients:** your skills for healthy, cozy and efficient constructing and living
- **Engage in intercultural learning:** get involved in the group dynamics with international colleagues
- **Visit Austria's cultural highlights:** the cultural heritage city of Vienna, right in the heart of CENTROPE region, visit „the sound of music city“ Salzburg, and Linz the European Capital of Culture 2009



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Course Program ([more](#))

Learning objectives

- Understand the origin of resources and the respective use as well as the integration in buildings
- Learn about the relationships between buildings and their context
- Create an understanding for the necessity of interdisciplinary cooperation to realize green building strategies

Course topics

- Sustainable urban and settlement development, spatial planning for increased quality of life (including: mobility, open space planning, energy supplies and renewable energies, waste management)
- Resource-optimized building concepts
 - Fundamentals of planning for resource-optimized building concepts
 - Passivhaus and Energy Plus Buildings
 - Healthy Building
 - Thermal comfort
 - Air quality
 - Day light planning
 - Building envelope, renewable construction materials (NAWAROs)
 - Building Services Engineering
 - Control systems, automatization
 - Certification of buildings, quality control
 - Sociological aspects, impact of utilizers

Lectors



Univ.Prof. Arch. DI Dr.techn.
Martin Treberspurg
University of Natural Resources and Life Sciences, Vienna



Ass.Prof. DI Dr.techn.
Karin Stieldorf
Technical University Vienna,
Department for Architecture and Design



Ing., MSc.
Bernhard Kram
Danube University Krems, Department
for Building and Environment



ao.Univ.Prof. Doz. Dr.
Gunther Maier
Vienna University of Economics and
Business, Institute for Regional
Development and Environment at the



Ass.Prof. Dr.
Sabine Sedlacek
Modul University Vienna, Public
Governance and Management

Graduates of the Green. Building. Solutions. Summer University are entitled to a reduced tuition fee and an accreditation for the Masters Program "Future Building Solutions at Danube University Krems".



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Anticipated Schedule ([more](#))

	Sun 24.07.	<i>Arrival Day: Check-in at OeAD Passivhaus</i>
Week 1	Mon 25.07.	<i>Orientation Day</i> Program Briefing, Expectations Session Intercultural Training <i>Evening Reception (City Hall)</i> Introductory Keynotes (Helga Kromp-Kolb, Wolfgang Feist)
		oead Passivhaus Tour
	Tue 26.07.	Academic Course (4 hrs) Guest Speaker (2hrs)
	Wed 27.07.	Academic Course (4 hrs) Excursion: Community Heating
	Thu 28.07.	Academic Course (4 hrs) Guest Speaker (2hrs)
	Fri 29.07.	Academic Course (4 hrs) Guest Speaker (2hrs) Cultural activity: Waltzing Night
	Sat 30.07.	Workshop & Visit: Passivhaussiedlung, Aspang Seestadt Aspern, Wien 3420 (4 hrs)
	Sun 31.07.	City Tour: Vienna's Architectural Styles Jugendstil, Biedermaier, Hundertwasser & Co.

Week 2	Mon 01.08.	Academic Course (4 hrs) Guest Speaker (2hrs)	
	Tue 02.08.	Academic Course (4 hrs)	Excursion: Energy Base
	Wed 03.08.	Academic Course (4 hrs) Guest Speaker (2hrs)	Optional cultural activity: Opera
	Thu 04.08.	Academic Course (4 hrs) Guest Speaker (2hrs)	
	Fri 05.08.	Academic Course (4 hrs)	Movie & Discussion: 4 th Revolution
	Sat 06.08.	Workshop & Visit: Passivhaus, Maria Ponsee, Tulln Daylightengineering, Krems (4 hrs, DUK) City Tour Krems <i>Overnight: Raab Heim</i>	
	Sun 07.08.	Workshop & Visit: solarCity Linz-Pichling (2 hrs) Sustainable Public Buildings, Wels Passivhaus Schulsanierung, Bauhalle, Schwanenstadt Biohof Achleitner <i>Overnight: tba</i>	

Week 3	Mon 08.08.	Workshop & Visit: University of Applied Sciences Salzburg, First Passivhaus University Campus (2 hrs) Salzburg City Tour	
	Tue 09.08.	Academic Course (4 hrs) Guest Speaker (2hrs)	
	Wed 10.08.	Academic Course (4 hrs)	Excursion: Sewage Purification
	Thu 11.08.	Academic Course (4 hrs) Guest Speaker (2hrs)	
	Fri 12.08.	Academic Course (4 hrs)	Movie & Discussion: EARTH
	Sat 13.08.	Certification Ceremony	<i>Farewell Evening</i>
	Sun 14.08.	<i>Departure Day: Check-out</i>	

Status: 04. November 2011. Subject to change without prior notice.