

Schedule	Mon 04.11.2019	Tue 05.11.2019	Wed 06.11.2019	Thu 07.11.2019	Fri 08.11.2019	Sat 09.11.2019	Mon 11.11.2019	Tue 12.11.2019	Wed 13.11.2019	Thu 14.11.2019	Fri 15.11.2019
Begin 9:00 am	A0 Welcome	Tue 05.11.2019	D1 Ventilation	D2 Heating	G1 Retrofit	Review	E1 Introduction Verification	E1 Domestic Hot Water Electricity	E4 BIM Introduction Basics	E2 Non-res. structural glaz./Curtain wall	E5 Introduction Thermal bridge concept
	A1 Introduction	B5 Building Physics: Comfort	D1 Ventilation	D2 Heating	G1 Retrofit	Review	E1 Climate U-Values	E1 Photovoltaic Heat generator	E4 BIM Working with Revit	E2 Non-res. Add.Vent./Electricity user profiles	E5 Basics thermal bridge calculation
	A1 Introduction	B6 Passive House Envelope: Climate and Non-	D1 Ventilation	D2 Heating	G1 Retrofit	Review (incl. design task)	E1 Areas Thermal bridges	E1 Primary Energy	E4 BIM Exercise: A simple model in Revit	E2 Variants calculation	E5 Modelling + calculating thermal bridges
	B1 Building Physics: Heat Transport	B6 Passive House Envelope: Climate and Non-	D1 Ventilation	D2 Heating	G1 Retrofit	Review (incl. design task)	E1 Ground Components	E1 Cooling units	E4 BIM Working with ArchiCAD	E2 Variants calculation	E5 Modelling + calculating thermal bridges
	Lunch	Lunch	Lunch	Lunch	Lunch	Excursion: Passive House	Lunch	Lunch	Lunch	Lunch	Lunch
	B1 Building Physics: Heat Transport	C 1+2 Windows	D1 Ventilation	D3 Cooling & Dehumid.	Q1&2 Quality Assurance /Building Certification		E1 Windows	E1 non-residential buildings	E3 designPH Entering a simple model	E2 Economic feasibility comparisons	E5 Typical thermal bridges: wall connections
	B2 Passive House Envelope Design	C 1+2 Windows	D1 Ventilation	D3 Cooling & Dehumid.	F1 Economics		E1 Shading	E1 Input assistant Tools/Excel	E3 designPH Entering a simple model	E2 EnerPHit retrofits PHPP for retrofits	E5 Typical thermal bridges: window connections
	B2 Passive House Envelope Design	C 1+2 Windows	D1 Ventilation (incl. exercises)	D3 Cooling & Dehumid.	F1 Economics		E1 Shading Ventilation	E1 PHPP entry exercise	E3 designPH Specific geometries	E2 Pre-certification of step-by-step retrofits	E5 Typical thermal bridges + improvements
	B3 Airtightness	C 1+2 Windows	B7 Airtightness testing & Thermal imaging	D3 Cooling & Dehumid.	F1 Economics		E1 Annual heating, Heating +	E1 PHPP entry exercise	E3 designPH Specific geometries	E2 EnerPHit Retrofit Plan	E5 Thermal bridges in PHPP
	Q&A e-learning	Exercises, Q&A	B7 Airtightness testing & Thermal imaging	Exercises, Q&A	F1 Economics		E1 Summer Primary Energy Renewable	E1 designPH/FAQ	E3 designPH Tips and tricks	E5 PHPP Exercise	FAQ