

Full Course in
Passive House Design & Construction
Saskatoon (March 13-15 and 27-29, 2014)

Take your knowledge of energy efficiency to the next level.

This **6 day course** on **Passive House Design & Construction** will teach you techniques in **superinsulation**, **building air tightness**, and **passive solar** from a building science perspective. You will learn how to use energy modelling software to justify your design choices through an understanding of energy and economic impacts to build cost-effective **net-zero ready buildings**.

The course is aimed at Canadian building and design professionals, architects, engineers, builders, contractors, advanced students and others who are motivated to learn. The course starts with the fundamentals, using single family houses to explain the principles. The Passive House methodology will also be applied to large residential, commercial and institutional buildings.

The goal of the course is to enable you to design or build your first Passive House and to help prepare you for the International Passive House Exam.



This course is eligible for 36 SAA core LUs. The course is also eligible for 36 core LUs at AIBC and 18 LUs at AAA.

Full registration for this course **costs \$1,550 +tax**, which includes all training materials, lunches each day plus coffee and snacks. Organizations sending 2 or more qualify for a 20% discount on the second registration. Fees do not include the PHPP software package.

Topics Covered

- Passive House design theory
- Building science for energy efficiency
- Building envelope optimization for cold climates
- Hands-on building performance modeling using the PHPP design software
- Mechanical system design for comfort and performance
- Thermal bridge-free design of building assemblies
- Architectural details and technical solutions
- Detailed case studies of current Canadian Passive House projects

[A detailed course outline is available.](#)

For more information and to register online see
<http://www.passivehouse.ca/saskatoon-2014/>

PASSIVE HOUSE

A low energy building standard leading to 90% energy savings.



Course hours:

Thurs, 13 March, 4:00pm-9:00pm

Fri, 14 March, 8:30am-5:00pm

Sat, 15 March, 8:30am-5:00pm

and

Thurs, 27 March, 4:00pm-9:00pm

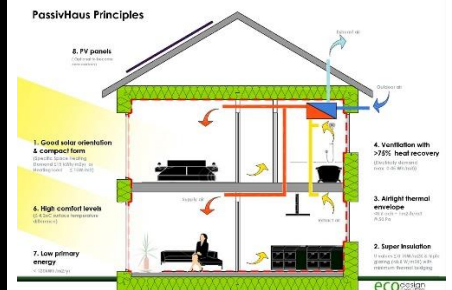
Fri, 28 March, 8:30am-5:00pm

Sat, 29 March, 8:30am-5:00pm

Course location:

the TWOTWENTY

220 20th St West
Saskatoon, SK



Canadian Passive House Institute