

CIV498 Design Project 2018

Project Area: Building Science

Project Title: Very Low Energy Small Home Design

INSTRUCTOR: K.D. Pressnail, LLFM. pressna@ecf.utoronto.ca

STUDIO SUMMARY:

The 2018 project will involve the design of a very low energy, low impact single-family home design. An operational energy target verified using energy modelling software plus a limit on the allowable floor area will challenge students to think deeply about lessening our impact on the environment. The budget will be constrained and students will be expected to evaluate the durability of their design to see that it will meet the design life of 60 years. Working in groups of 3 or 4, students will be encouraged to develop innovative designs that will not only serve the needs of the people today, but also the people of tomorrow too.

DELIVERABLES:

Studio session participation
Preliminary report and presentation of contemplated technologies
Interim Design Development and presentation
Final Presentation
Final Report

GRADING: *(please note that the grading breakdown will be consistent among all design project sections)*

Studio Session Participation:	10%
Interim Deliverables (report, memos...etc.) :	30%
Interim Presentation:	10%
Final Report:	40%
Final Presentation:	10%
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	100%
