**Engineering Management Principles and Economics**

**ENGR301**

**Tutorial 1**

**All of these (and possibly more items and more detail) should be included in the solution**

**House on the lake**

Get Permit

Obtain permit from municipal authorities to build house

Do Survey

Hire a land survey to do topographical survey and establish benchmarks

Design

Architectural design

Floor plans and elevations

Electrical drawings

Plumbing drawings

Construction

Site preparation

Basement and foundation

Frame

Cladding

Roof

Installation of electrical

Installation of plumbing

Connect to the Hydro-Quebec grid

Final Inspection and Approval

Carry out final inspections and tests

Make necessary corrections

Re-inspect and test