

Construction Technology

TCJ3C0

Overview

This course covers construction systems related to commercial, industrial, and residential buildings. Students will learn about the materials, processes, skills, tools and equipment used on construction projects. They will create technical drawings that conform to industry standards using both computers and traditional drafting methods.

Achievement

Major projects will be assessed using a rubric, a detailed list of the evaluation criteria and performance expectations. Study the rubric carefully, as it indicates what learning and skills you are expected to demonstrate. All criteria will fall within one of the four categories (Thinking, Application, Communication, Knowledge) on which your mark will be based.

The final evaluation will constitute 30 percent of the mark. One component of the final evaluation will be a written examination.

Evaluation

The marks categories will be weighted as follows:

Thinking	20%
Application	45%
Communication	15%
Knowledge	20%

Term work and final evaluation are weighted as follows:

Term:	70%
In-class exam and final project:	30%

Activities

Each student will:

- produce several technical drawings using a variety of techniques.
- learn the proper and safe operation of the woodworking equipment available.
- construct basic electrical circuits using residential wiring techniques.
- learn the basic skills necessary for installing plumbing in residential buildings.
- Students will build a model of a residential dwelling unit. The model will include electrical, plumbing, ventilation, and wall systems.

General Expectations

1. Come prepared for the day's learning activities. Always bring your notebook, pen, completed assignments, sense of humour, sense of purpose.
2. Follow instructions the first time they are given. You may debate philosophical issues, not direct instructions.
3. Be nice. Treat everyone and everything with respect and consideration. Be quiet and attentive during lessons and discussions.
4. Assist in cleaning up the shop and returning all equipment to storage at the end of each period.
5. **The key to success is to have fun everyday by engaging in assigned activities with interest and enthusiasm.**

What You May Not Do

1. Do not leave the class without the instructor's permission.
2. Do not leave a mess.
3. Do not use any equipment without permission or without instruction in its safe and appropriate use.
4. Do not remove equipment from any classroom without completing the sign-out sheet.
5. Do not engage in "horseplay" under any circumstances. It will not be tolerated.

Stern Words About the Use and Abuse of Equipment

Equipment and resources within the department are available for your use, but they are not your property. The resources are maintained, with much effort, by the staff, and paid for by all of us through taxation. You are granted access on the condition that you accept responsibility for its care and appropriate use. Therefore, if you are found to present a danger to other students of the equipment through acts of carelessness or maliciousness, you may be removed from the class.

Attendance and Participation

Many learning activities in this course involve making something in a cooperative way. If you are absent during a group project you may lose marks proportional to the number of days missed. For example, if a project takes 10 days to complete, an absence of two days may result in the deduction of 20% from the group mark for the absentee.

If you are unavoidably absent due to illness or other legitimate reason, you may make up for lost time by arrangement with the instructor.

Making up for missed days and lost marks is the responsibility of the student.

Materials Fee

All technology students will be assessed a materials fee. The money collected helps to defray expenses for photocopying, printing, and materials used in student projects. The fee for Grade 11 Construction Technology will be twenty dollars, payable in the first week of classes.