

CTS Construction 10

Course Description

Through hands-on experiences, students will have the opportunity to increase their knowledge and skills related to the design and fabrication of projects using wood and other media, as well as the proper use and maintenance of a range of hand and power tools. Students will build certain projects tied to the course modules, as well they will have the opportunity to choose and build their own projects (within the bounds of time and resources available).

Each module that is completed with a grade of 50% or higher will earn one credit for the student. The student must meet the standards specified for **ALL** module expectations within a module to be successful. Theory tests may be re-written provided the mark was at least 35%. Exceptions are made on a case-by-case basis and not guaranteed.

Introductory 10 Modules

CON 1010: Construction Tools & Materials

Students develop basic hand tool and production skills to transform common building materials safely into useful products.

CON 1120: Product Management

Students develop basic shop drawing and estimating skills and then apply them to build a product.

CON 1130: Solid Stock Construction

Students develop basic hand and power tool skills to build a product made from solid wood.

CON 1140: Turning Operations

Students use wood turning equipment and techniques to create a faceplate and spindle turning made from solid and/or built-up stock.

CON 1160: Manufactured Materials

Students select and use the appropriate materials and tools to build a product or structure from a wood composite or another manufactured material.

CON 1190: Con Project A

Students develop project design and management skills to extend and enhance competencies and skills in other CTS course through contexts that are personally relevant.

Course Evaluation

All modules will be marked based on the identified competencies using the following percentages. Students will be shown module specific competencies before starting each module as well as the marking criteria.

Tests/Assignments	30%
Shop Projects	55%
Professionalism	15%

Note: Any incomplete tests (rewrites) and/or projects not submitted within one week from the original due date will not be accepted and credit will not be given.

*******Theory marks (30%) are often the only marks entered until late in the semester. Therefore, the grade can change (up or down) as it only reflects work completed at that point. This is because the hands-on components of the courses don't always follow a linear manner; we don't do one, finish it and then move on. We are often working on different components of different courses at the same time. Hence the Competencies mark is not entered until the end of the semester.**

Materials Required (To be supplied by the student)

- Loose-leaf binder with paper
- Pen and pencil
- A pair of coveralls or smock
- (Optional) Safety shoes or boots

Students will be observed while working and must maintain a satisfactory rating in each of these categories in addition to module specific items:

- Responsible use of work time and materials
- Safety
- Understanding
- Achievement
- Skill
- Attitude toward instructor and peers
- Independence and problem solving
- Following instructions
- Care of working facility and tools

Note: In a practical course, it is very important that regular, punctual attendance is the rule. Students are expected to be here on time and ready to work.

Follow all safety rules and use personal safety devices whenever required.

“Do not accept any unsafe behaviour. Remove any student who is acting in an unsafe manner, and ensure that he or she can operate safely before re-admittance.” Alberta Education 1998,

Manual for Administrators, Counselors and Teachers, appendix 3/269.

A high standard of proper and safe behaviour must be maintained at all times in the shop area. Horseplay, teasing, bothering, mock fighting, interfering with others or their property, not following safety/shop rules or any other unsafe activity will be dealt with swiftly and severely.