### 4.120

Furniture Making

### Instructor

Chris Dewart

Credit Units 2-2-5 Level G

### Prerequisites: None

### Schedule Wednesday and Friday 10-11:30 am.

### Subject Description

Provides instruction in designing and building a piece of furniture from an original design. Gives students the opportunity to design towards crafting. Surveys the history of furniture making and includes site visits to local collections and artists/craftsmen. Limited to 12 students

List of Subject Objectives

Develops woodworking techniques using traditional techniques and digital fabrication.

Design original piece of furniture

Draw section, plan, elevation detail

### Evaluation Criteria

Complete one piece of furniture for exhibition.

Attendance to the first class (virtually February 2,2022) is mandatory for guaranteed acceptance into class (class limit 12). You are allowed three excused absences for the semester. An excused absence is defined as one that was discussed with and approved by the professor. Absences beyond the three allotted will result in a decrease in your final grade. If you miss six or more classes, you will be asked to drop the subject or receive a failing grade.

*This is an opportunity for students to enjoy the experience of designing and building a single piece of furniture. There is a moment in the process of woodworking (or ceramics, or playing music) where the maker sees their idea begin to take shape and, with a tool in hand, reaches a notion of perfection.*

### Schedule of Lecture, Projects, Assignments

4.120 Furniture Making Syllabus

Lecture/Work ASSIGNMENT

February 2 Wed. ZOOM History of Furniture Style slides and intro

February 4 Fri. CAD/CAM Milk Stool assignment Rhino drawing

February 9 Wed Wood/Plywood/Behavior of Wood Furniture Sketch

February 11 Fri CNC Milking Stool

February 16 Wed

February 18 Fri.

March 2 Wed. Mortise and tenon, working drawing

March 4 Friday WOOD ORDER

March 9 Wed Bending laminations, steam, plywood DIVVY WOOD ORDER

March 11 Fri Table saw instruction, begin milling parts

March 16 Wed Glue ups, joining options FINAL WORKING DRAWING

March 18 Fri BUILD

April 7 Fri

May 12 Completed Piece