

Woodworking & Millwork II

CMGT - 2220 401

Course Description

Students continue with their skills in the construction of a skill building project that will include more advanced joinery than included in CMGT 1220. Students are taught how to create and use veneer as an inclusion of sustainable practices in woodworking. Skills such as bent laminations, tapered legs, mortise & tennon & blind dovetails are discussed. Typical project cost: \$100.

Prereq: CMGT 1220 or CMGT 1530.

Semester: Spring

Course Student Learning Outcomes

- Learn safe operation & custom set-up of power equipment.
- Incorporate design principles related to solid wood construction on the skill building project.
- Introduced to the development of jigs, templates and other custom set-ups.
- Learn the proper procedures for cut-out & assembly of the assigned skill building project.
- Learn intermediate wood finishing techniques including sanding, scraping, coloring & top coating.
- Continue to design a skill building project of their own.

Course Prerequisites

CMGT 1220 or CMGT 1530

Engagement Plan

Example language:

- I will respond to email within 24 hours. I will offer feedback on major assignments within 48 hours. The best way to contact me is via the Canvas Inbox, as I will prioritize this email over other modes of communication.
- Corresponding with me in class will be the easiest and most direct way of communicating. I will provide constant feedback as we are working through the semester on the project. All students will be on the same pace during class so we can have the most effective way of learning during this semester.

Keys for Success (how to succeed in the course)

The best way to succeed in this course is to be on time and come to class every day. Your grade and your success in this class will largely depend on staying on pace with the rest of the class and being in attendance. I am always willing to work with you if you need to miss class; all I ask is that you communicate that with me beforehand.

Additional Materials

Many tools are provided by the school for your use. While the tools and supplies listed below are not all required, I do strongly recommend bringing the following supplies to class, especially if you plan on continuing woodworking outside of this course.

Required supplies:

- Ear plugs or other hearing protection (Standard earbuds or headphones are not protective enough.)
- Safety Glasses

Recommended tools/supplies:

- 4" or 6" Double Square (recommended) or Combination Square in **4R graduations** (Important: 4R graduations will display measurements in increments of 8ths,

16ths, 32nds, and 64ths. Other graduations may be more difficult to use for our use cases.)

- 6" Stainless steel rule (**4R graduations**)
- 12' (or longer) Tape Measure. I find 12' to be plenty length and is more compact than longer tape measures.
- #2 wood Pencil or mechanical pencil
- Respirator or N95 Mask.
- Shop Apron. Many woodworkers, including myself, enjoy using a shop apron to hold the most frequently-used tools, such as all the tools listed above.

Brief Description of Assignments/Exams

Every student will be building their own piece of furniture to take home at the end of the semester. Everyone will be building the same design at the same pace. This will allow us to build with more complexity and keep specific setups and work-holding implements since we can run many parts through the same setting one after another like a production line.

Assignment Schedule

Due Date	Assignment Name	Assignment Type	Points
	Introduce Yourself	Discussion	0

Grading Scale

Attendance and Participation: 40% of overall grade

Final Project Quality: 60% of overall grade

If you are going to miss one or multiple days of class, please communicate with me beforehand. I am willing to keep you on pace with the rest of the class by performing

small tasks in your absence if there is a setting that every student needs to run through on the table saw or another power tool.

How to Navigate to Canvas

Institutional Policies

As members of our academic community, we would like to invite you to review the Institutional Syllabus which covers important policies and procedures. This document contains important links for students on the code of student rights and responsibilities, academic integrity, and grading policies, Title IX and other important acknowledgements. By familiarizing yourself with this information, you can help us create a safe and respectful environment for everyone.

For more information, navigate to the Institutional Policies tab on the [Institutional Syllabus](#) page.

Learning Support and Tutoring Services

We are pleased to offer a range of tutoring and learning support services to help you achieve your academic goals. Whether you need assistance with a specific subject or want to improve your study skills, you have many options for tutoring or other support.

To learn more about the services we offer and how to access them, visit the [Institutional Syllabus](#) page under the Tutoring and Learning Support tab. We encourage you to take advantage of these resources to help you succeed in your studies. If you have any questions or would like to schedule a tutoring session, please don't hesitate to reach out to us. We are here to support you in any way we can.

Advising and Counseling Support Services

At our institution, we are committed to supporting your academic and personal growth. That's why we offer a range of advising and counseling services to help you navigate the challenges of college life. To learn more about the resources available to you and how to

access them, visit the [Institutional Syllabus](#) page under the Advising and Counseling Support Services tab. Our advising team and the support centers across campus are here to support you in achieving your goals and overcoming any obstacles you may face.

Student Academic Calendar

As students you should be aware of all important dates in the semester, such as the day that courses begin and end, as well as the drop date and the last day to withdraw. To learn more about those dates, navigate to the Student Academic Calendar below:

[SLCC Student Academic Calendar](#)