San José State University  
Department of Art & Art History  
Art 168, Woodworking, Section 1, Fall, 2015

Instructor: Shannon Wright  
Teaching Assistant: José Castro  
Art 119

Office Location:  
Telephone: Use email

Email: shannon.wright@sjsu.edu

Office Hours: Tuesday 3.00-5.00

Class Days/Time: Friday 9 AM to 3 PM

Classroom: Art 108

Prerequisites: Art 13

Course Description

This course is an introduction to the physical structure of wood and to the design and construction of solid wood furniture and sculptural objects. It is also an introduction to the historical use of wood joinery in furniture and other man-made objects. Class time will be divided between classroom lectures, wood shop demonstrations and supervised work time. Students will complete two projects: a museum-quality frame with splined mitres, and a mortise and tenon-jointed end-table. Three units.

Course Goals and Student Learning Objectives

Upon successful completion of this course, students will be able to:

CLO1 Use traditional joinery techniques to accommodate the unique structure of wood and its properties of expansion and contraction.

CLO2 Design furniture and objects using joints appropriate to the visual and functional goals of the piece.

CLO3 Read and utilize measured drawings
CLO4 Assess and purchase lumber and safely and efficiently “mill” it using the jointer, the thickness planer and the table saw.

CLO5 Mark and measure your stock, and cut a variety of joints using power tools and hand tools.

CLO6 Glue and clamp up furniture and other woodworking projects

CLO7 Sand and finish furniture and other woodworking projects

CLO8 Recognize a variety of furniture styles and be able to identify their stylistic and structural characteristics

Required Texts/Readings
A selection of excerpted course readings will be available online in PDF form for you download and print, through the class Canvas site.

Understanding Wood, R. Bruce Hoadley
Hand Tools, Their Ways and Workings, Aldren A. Watson
Understanding Wood Finishing, Bob Flexner
Fine Woodworking Magazine

Sources of Traditional Furniture Plans:
Mission Furniture: How to Make It, Popular Mechanics Company
Making Authentic Shaker Furniture, John G. Shea

Resources for Researching Contemporary Furniture Design:
Abitare magazine
http://www.dezeen.com/ DeZeen online design magazine

Classroom Omniflock Code: Will be announced In class. Do not pass out to others.

Library Liaison
Rebecca Kohn 408 808 2007

Materials and Tools Needed

Clothing:
Dress for working in the Shop— No open-toed shoes (sandals), no loose clothing or jewelry, long hair must be tied back securely.

The Shop Safety Test

Students who use the shop facilities will be required to pay a $20 fee to take the Shop Safety Test before they can use the facility. The fee must be paid prior to the student taking the Shop Safety Test. Students may pay at the Bursar’s Office, located in the Student Services Center, directly into Fund 62089 with cash, check, or ATM debit card. The test and fee are required only once a calendar year, so if you took the test during the Fall 2014 semester, you will not be required to pay this fee again until Fall 2015. If you paid the fee in Spring 2014, you must pay the fee again for Spring 2015. The shop test is valid for one (1) calendar year.

In order to take the Shop Safety Test and use the School of Art & Design Shop Facilities, you must:

• Bring a receipt for the fee paid at the Bursar’s Office into Fund 62089. The Bursar’s Office accepts cash, check, or ATM debit card payments.
• Be enrolled in at least one 3-unit Art or Design course during the spring 2015 semester.

We will watch the Shop Safety Test online at: http://www.sjsu.edu/at/atn/webcasting/events_old/shopysafety/

The test is an open-notes test. I suggest writing EVERYTHING down that you can as you watch the video. When you have finished, answer the questions in the Shop Test review handout you were given on the first day of class. In our next class meeting we will go around the room and each student will give their answer for several questions, and we will discuss the answers.

Classroom Protocol

You must attend all equipment demonstrations in order to be allowed to use the equipment in the Wood Shop. If you did not see my demonstration on how to use a particular machine or perform a particular process, you must request a repeat demonstration from the TA. There will be a sign-in sheet for each class’s demonstration.

Do not perform any process for this class if you did not see a safety demonstration on that process, or if you have forgotten any detail of the demonstration.

Material Data Safety Sheets (MSDS) must be on file for all potentially
hazardous materials before they can be used in any of the Art & Design facilities. Submit one copy of the material’s MSDS to the department in Room 104 and a second copy to the faculty member or technician responsible for the facility where the material will be used. Please explain this to the students in your classes. This is a commonly missed question on the shop safety test and should be discussed with your class prior to the shop orientation.

DATES AND HOURS OF OPERATION- Fall 2015
NOTE: the operating hours below are based on historic allocations and do not reflect the impact(s) of any budget cuts that may occur. Check the posted schedule outside the shop for updated hours of operation. Please be aware that clean-up starts 30 minutes before closing.

The safety orientation and test are given only during the first 3 weeks of the semester, from August 20th to September 11th. If a student misses more than three (3) questions on the safety test, and fails the Second Chance Test, your presence is required in the shop at all times while that student is working in the facilities. All students who wish to use the shop facilities must pass the shop safety test, no exceptions.

Email addresses:
Faculty can email a whole class at once through MySJSU. Make sure the University has your correct email address, or you won’t receive my or other instructor’s emails about class-related issues.

Questions:
It is important that you ask any and all questions you have as we go along. If you are confused about an assignment, or if I haven't made something clear, please ask me in class or stop by during my office hours. I will be happy to discuss a project at any stage with you.

Emergency Phone Numbers:
Emergency: dial 911 (FROM A SCHOOL PHONE, NOT A CELLPHONE!)
Escort Service: dial 42222

Library Liaison

Rebecca Kohn - rebecca.kohn@sjsu.edu

Course Requirements and Assignments
SJSU classes are designed such that in order to be successful, it is expected that students will spend a minimum of forty-five hours for each unit of credit (normally three hours per unit per week), including preparing for class, participating in course activities, completing assignments, and so on.
details about student workload can be found in University Policy S12-3 at http://www.sjsu.edu/senate/docs/S12-3.pdf.

Insert descriptions of course requirements and assignments here.

Projects

Grading:

<table>
<thead>
<tr>
<th>Assignment</th>
<th>Percentage</th>
<th>Due Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 x 4 frame</td>
<td>10%</td>
<td>9/5</td>
</tr>
<tr>
<td>Sapele Frame</td>
<td>15%</td>
<td>due 9/26</td>
</tr>
<tr>
<td>Woodworking vocabulary quiz</td>
<td>10%</td>
<td>9/19</td>
</tr>
<tr>
<td>Woodworking processes comprehension quiz</td>
<td>10%</td>
<td>10/17</td>
</tr>
<tr>
<td>Spindle turning exercise</td>
<td>5%</td>
<td></td>
</tr>
<tr>
<td>End-table</td>
<td>30%</td>
<td></td>
</tr>
<tr>
<td>Class Participation:</td>
<td>20%</td>
<td></td>
</tr>
</tbody>
</table>

Involvement in lectures, safety and technique demonstrations, videos, field trips and supervised work time in the wood shop, cleaning up after yourself in shop, helping with glue-ups, etc.

NOTE that University policy F69-24 at http://www.sjsu.edu/senate/docs/F69-24.pdf states that “Students should attend all meetings of their classes, not only because they are responsible for material discussed therein, but because active participation is frequently essential to insure maximum benefit for all members of the class. Attendance per se shall not be used as a criterion for grading.”

Grading Policy

(Instructor reserves the right to change an assignment with adequate advance notice.)

Grades will be assigned according to University policy from A to F as outlined in the SJSU catalog. All work must be finished and turned in according to ascribed deadlines and instructions.

I will assign you a numerical grade for each of your projects in this class, as follows:
97-100 = A+
93-96  = A
90-92  = A-
87-89  = B+
83-86  = B
80-82  = B-
77-79  = C+
73-76  = C
70-72  = C-
67-69  = D+
63-66  = D
60-62  = D-
59 and below = F
A= Excellent work
B= Above average work
C= Average work
D= Below average work
F= Unsatisfactory work

Note that “All students have the right, within a reasonable time, to know their academic scores, to review their grade-dependent work, and to be provided with explanations for the determination of their course grades.” See University Policy F13-1 at http://www.sjsu.edu/senate/docs/F13-1.pdf for more details.

University Policies

Dropping and Adding

Students are responsible for understanding the policies and procedures about add/drop, grade forgiveness, etc. Refer to the current semester's Catalog Policies section at http://info.sjsu.edu/static/catalog/policies.html. Add/drop deadlines can be found on the current academic year calendars document on the Academic Calendars webpage at http://www.sjsu.edu/provost/services/academic_calendars/. The Late Drop Policy is available at http://www.sjsu.edu/aars/policies/latedrops/policy/. Students should be aware of the current deadlines and penalties for dropping classes.

Information about the latest changes and news is available at the Advising Hub at http://www.sjsu.edu/advising/.
Consent for Recording of Class and Public Sharing of Instructor Material

University Policy S12-7, http://www.sjsu.edu/senate/docs/S12-7.pdf, requires students to obtain instructor’s permission to record the course and the following items to be included in the syllabus:

- “Common courtesy and professional behavior dictate that you notify someone when you are recording him/her. You must obtain the instructor’s permission to make audio or video recordings in this class. Such permission allows the recordings to be used for your private, study purposes only. The recordings are the intellectual property of the instructor; you have not been given any rights to reproduce or distribute the material.”
  - It is suggested that the greensheet include the instructor’s process for granting permission, whether in writing or orally and whether for the whole semester or on a class by class basis.
  - In classes where active participation of students or guests may be on the recording, permission of those students or guests should be obtained as well.
- “Course material developed by the instructor is the intellectual property of the instructor and cannot be shared publicly without his/her approval. You may not publicly share or upload instructor generated material for this course such as exam questions, lecture notes, or homework solutions without instructor consent.”

Academic integrity

Your commitment, as a student, to learning is evidenced by your enrollment at San Jose State University. The University Academic Integrity Policy S07-2 at http://www.sjsu.edu/senate/docs/S07-2.pdf requires you to be honest in all your academic course work. Faculty members are required to report all infractions to the office of Student Conduct and Ethical Development. The Student Conduct and Ethical Development website is available at http://www.sjsu.edu/studentconduct/.

Campus Policy in Compliance with the American Disabilities Act

If you need course adaptations or accommodations because of a disability, or if you need to make special arrangements in case the building must be evacuated, please make an appointment with me as soon as possible, or see me during office hours. Presidential Directive 97-03 at http://www.sjsu.edu/president/docs/directives/PD_1997-03.pdf requires that students with disabilities requesting accommodations must register with the Accessible Education Center (AEC) at http://www.sjsu.edu/aec to establish a record of their disability.

Accommodation to Students' Religious Holidays

San José State University shall provide accommodation on any graded class work or activities for students wishing to observe religious holidays when such
observances require students to be absent from class. It is the responsibility of the student to inform the instructor, in writing, about such holidays before the add deadline at the start of each semester. If such holidays occur before the add deadline, the student must notify the instructor, in writing, at least three days before the date that he/she will be absent. It is the responsibility of the instructor to make every reasonable effort to honor the student request without penalty, and of the student to make up the work missed. See University Policy S14-7 at http://www.sjsu.edu/senate/docs/S14-7.pdf.

Student Technology Resources
Computer labs for student use are available in the Academic Success Center at http://www.sjsu.edu/at/asc/ located on the 1st floor of Clark Hall and in the Associated Students Lab on the 2nd floor of the Student Union. Additional computer labs may be available in your department/college. Computers are also available in the Martin Luther King Library. A wide variety of audio-visual equipment is available for student checkout from Media Services located in IRC 112. These items include DV and HD digital camcorders; digital still cameras; video, slide and overhead projectors; DVD, CD, and audiotape players; sound systems, wireless overhead projectors.

SJSU Peer Connections
Peer Connections, a campus-wide resource for mentoring and tutoring, strives to inspire students to develop their potential as independent learners while they learn to successfully navigate through their university experience. You are encouraged to take advantage of their services which include course-content based tutoring, enhanced study and time management skills, more effective critical thinking strategies, decision making and problem-solving abilities, and campus resource referrals.

In addition to offering small group, individual, and drop-in tutoring for a number of undergraduate courses, consultation with mentors is available on a drop-in or by appointment basis. Workshops are offered on a wide variety of topics including preparing for the Writing Skills Test (WST), improving your learning and memory, alleviating procrastination, surviving your first semester at SJSU, and other related topics. A computer lab and study space are also available for student use in Room 600 of Student Services Center (SSC).

Peer Connections is located in three locations: SSC, Room 600 (10th Street Garage on the corner of 10th and San Fernando Street), at the 1st floor entrance of Clark Hall, and in the Living Learning Center (LLC) in Campus Village Housing Building B. Visit Peer Connections website at http://peerconnections.sjsu.edu for more information.
SJSU Writing Center

The SJSU Writing Center is located in Clark Hall, Suite 126. All Writing Specialists have gone through a rigorous hiring process, and they are well trained to assist all students at all levels within all disciplines to become better writers. In addition to one-on-one tutoring services, the Writing Center also offers workshops every semester on a variety of writing topics. To make an appointment or to refer to the numerous online resources offered through the Writing Center, visit the Writing Center website at http://www.sjsu.edu/writingcenter. For additional resources and updated information, follow the Writing Center on Twitter and become a fan of the SJSU Writing Center on Facebook. (Note: You need to have a QR Reader to scan this code.)

SJSU Counseling Services

The SJSU Counseling Services is located on the corner of 7th Street and San Fernando Street, in Room 201, Administration Building. Professional psychologists, social workers, and counselors are available to provide consultations on issues of student mental health, campus climate or psychological and academic issues on an individual, couple, or group basis. To schedule an appointment or learn more information, visit Counseling Services website at http://www.sjsu.edu/counseling.
## Course Schedule

<table>
<thead>
<tr>
<th>Week</th>
<th>Date</th>
<th>Topics, Readings, Assignments, Deadlines</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>8/21  AM</td>
<td>Class intro, Safety video, Fill out review.</td>
</tr>
<tr>
<td>1</td>
<td>PM</td>
<td>1.00 PM Shop Test, then milling demo and practice</td>
</tr>
<tr>
<td>2</td>
<td>8/28  AM</td>
<td>Supervised milling of 2 x 4s starting at 9AM. Demo on table saw and Brevetti saw.</td>
</tr>
<tr>
<td>2</td>
<td>PM</td>
<td>Supervised work time</td>
</tr>
<tr>
<td>3</td>
<td>9/4</td>
<td>Frames: demos and supervised work time using Sapele wood</td>
</tr>
<tr>
<td>4</td>
<td>9/11</td>
<td>Frames: demos and supervised work time using Sapele wood.</td>
</tr>
<tr>
<td>4</td>
<td>PM</td>
<td>Vocabulary Quiz</td>
</tr>
<tr>
<td>5</td>
<td>9/18  AM</td>
<td>Frames due. Watch “Make a Shaker Table.” Discussion of how to buy wood.</td>
</tr>
<tr>
<td>5</td>
<td>PM</td>
<td>Discussion of table dimensions, Demo: making table legs.</td>
</tr>
<tr>
<td>6</td>
<td>9/25  AM</td>
<td>Field trip to Aura Hardwood and MacBeath Hardwoods.</td>
</tr>
<tr>
<td>6</td>
<td>PM</td>
<td>Cut wood to oversized lengths on the radial arm saw. Homework: mill up legs</td>
</tr>
<tr>
<td>7</td>
<td>10/2  AM</td>
<td>Mortise demo. Sharpening demo. Some students sharpen chisels while others work on mortiser and others mill up rails</td>
</tr>
<tr>
<td>7</td>
<td>PM</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>10/9  AM</td>
<td>Demo: cutting tenons on rails. Homework: cut mortises, square up with chisel.</td>
</tr>
<tr>
<td>8</td>
<td>PM</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>PM</td>
<td>Demo: tapering the legs. Homework: mill up wood for table top, leaving thicker than final desired thickness</td>
</tr>
<tr>
<td>10</td>
<td>10/23 AM</td>
<td>Demo: gluing up table top. Work time.</td>
</tr>
<tr>
<td>10</td>
<td>PM</td>
<td>Demo: biscuiting the rails.</td>
</tr>
<tr>
<td>11</td>
<td>10/30 AM</td>
<td>Dry fitting of table legs and rails. Demo: sanding! Homework: sand legs and rails.</td>
</tr>
<tr>
<td>11</td>
<td>PM</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>11/6</td>
<td>Table glue up demo. Work time.</td>
</tr>
<tr>
<td>Week</td>
<td>Date</td>
<td>Topics, Readings, Assignments, Deadlines</td>
</tr>
<tr>
<td>------</td>
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<td>------------------------------------------</td>
</tr>
<tr>
<td>12</td>
<td></td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>11/13</td>
<td>Table top trimming, hand-scraping, beveling. Homework: trim table tops.</td>
</tr>
<tr>
<td>13</td>
<td></td>
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<tr>
<td>14</td>
<td></td>
<td></td>
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<tr>
<td>15</td>
<td>11/27</td>
<td>Thanksgiving, no class</td>
</tr>
<tr>
<td>15</td>
<td></td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>12/4</td>
<td>Final finishing.</td>
</tr>
<tr>
<td>Final Exam</td>
<td>12/16</td>
<td>Wed 7.15- 9.30 AM</td>
</tr>
</tbody>
</table>