

## **Shop Foundations**

ARTS 123.501

Fall 2015: Tuesday/Thursday 9:00 a.m. – 10:15 a.m.

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**Instructor:** Benjamin Johnsen

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**Office:** 103 (Shared)

**Office Hours:** T/Th. 4:00-5:00 p.m. or by appointment

***The best ways to contact me are through office hours or email.***

## **Course Content**

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Arts 123 is a course designed to introduce students to the equipment and safe practices of a wood shop. Emphasis will be placed on understanding terms and equipment, knowledge of safety practices and production of projects. Course projects will be geared toward common goods used by artist and will also facilitate a general set of vocational carpentry skills.

## **Student Learning Objectives**

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- Understand the parts and uses of different shop equipment
- Develop knowledge of wood working techniques
- Demonstrate safe and responsible use of shop equipment
- Ability to produce artist related functional projects

## **Student Responsibilities**

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Students are required to complete all assignments on time, participate in scheduled critiques, class discussions and maintain a safe, respectable, positive studio environment.

Art studio classes are very different than other classes. The majority of work is done in the studio due to equipment and material needs. Students are expected to work in the studio several hours each week in addition to scheduled class times. Open studio hours will be announced.

Neither dishonesty nor unruly behavior will be tolerated in the classroom; such actions will lead to being dropped from the course. According to our Student Code of Conduct found on page 179 of the 2012 – 2014 UNM-Valencia Catalog:

“Appropriate disciplinary procedures and sanctions shall be applied to any student who commits, or attempts to commit, any of the following acts of misconduct: 2.4. Academic dishonesty, including, but not limited to, dishonesty in quizzes, tests, or assignments: claiming credit for work not done or done by others; hindering the academic work of other students; misrepresenting academic or professional qualifications within or without the University; and nondisclosure or misrepresentation in filling out applications or other University records.”

Students are expected to attend every class on time, fully prepared for each day's work and clean the studio before the end of each class. More than three absences without prior consultation may result in a failing grade or a drop from the class. Leaving excessively early or arriving late three times results in one absence.

Students are responsible for lecture and demo information missed if absent. No

repeats of lectures or demos will be given due to lack of attendance.

Cell phones need to be put on mute during class times. If you must receive a call during class time leave the studio before you answer. No phone conversations, text messaging, web surfing, movie watching etc. in studios.

If you have any issue that may need special attention or accommodation, please see me after class. All personal information is kept strictly confidential. Likewise, I keep all grades, personal information, etc confidential. Please understand that I will not give out such information on the phone or through email or to anyone other than you.

**Computer Lab Responsibility:** Please be advised that use of computer labs on UNM properties is governed by "Policy 2500: Acceptable Computer Use" which can be found at <http://policy.unm.edu/university-policies/2000/2500.html>. Food and drink are also prohibited in any computer lab on campus. Anyone violating these policies is subject to possible suspension and loss of computer lab privileges.

**UNM Email/Black Board Learn Access:** Beginning Fall 2015 semester, all UNM-Valencia students will need a UNM Net ID which can be created by going to: <http://it.unm.edu/accounts/>. UNM Net ID will give you access to the computer labs on campus, blackboard learn and UNM Email.

## **Materials**

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Materials for this course are provided to complete projects. Anything beyond projects or needed to complete a project after use of supplied materials is the responsibility of the student.

## **Grading**

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Grading will be based on several factors, including projects, quizzes and shop etiquette. Projects, that are fully completed, will make up 60% of your grade. In addition, a 25 percent portion of your grade will be quizzes. The last 15 percent of your final grade will be given for the following: attendance, participation and classroom etiquette. I look favorably on effort, punctuality, and drive to improve.

## **Grading Guidelines**

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| <b>5 = A</b>  | Excellent work in all regards. Nothing detracts from the quality or "rightness" of the work.   |
| <b>4 = B</b>  | Very good work. Execution is clear and coherent. Only small superficial details are flawed in some way. Shows good effort, skills, or craft evident. |
| <b>3 = C</b>  | Good work. There may be minor problems. Effort and care are evident but not exceptional. The finished work has both qualities and drawbacks.         |
| <b>2 = D</b>  | Decent work (in some way). Significant problems exist. Project is something to be learned from and improved upon, not to be ashamed about.           |
| <b>1 = F</b>  | Poor. Major problems exist in most areas. Little care, effort or time spent on project.  |
| <b>0 = IN</b> | No work. Also may be used in academic dishonesty cases.  |

## **Schedule**

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(subject to changes)

Wk 1: Aug. 18/20	Tuesday: Introduction & syllabi Thursday: Shop safety & equipment overview
Wk 2: Aug. 25/27	Tuesday: Safety & hand tool Quiz/Machinery overview Thursday: General shop knowledge & machinery Quiz
Wk 3: Sept. 1/3	Tuesday: Drill press, band saw & table saw lecture Thursday: Drill press, band saw & table saw Quiz/Get assignment 1
Wk 4: Sept. 8/10	Tuesday: Drill press & table saw Demo/Workday Thursday: Band saw Demo/Workday/Finish assignment 1
Wk 5: Sept. 15/17	Tuesday: Jointer, miter saw & table saw lecture Thursday: Jointer, miter saw & table saw Quiz
Wk 6: Sept. 22/24	Tuesday: Get assignment 2/Jointer & wood preparation Demo/Workday Thursday: Table saw Demo/Workday
Wk 7: Sept. 29/Oct. 1	Tuesday: Miter saw Demo/Workday Thursday: Assembly Demo/ workday
Wk 8: Oct. 6/8	Tuesday: Finishing Demo/Workday/Finish assignment 2 Thursday: <b>Fall Break</b>
Wk 9: Oct. 13/15	Tuesday: Get assignment 3/Table saw Demo Thursday: Workday
Wk 10: Oct. 20/22	Tuesday: Assembly Demo/Workday Thursday: Canvas stretching Demo/Finish assignment 3
Wk 11: Oct. 27/29	Tuesday: Get assignment 4/Cradle frame Demo/Workday Thursday: Workday
Wk 12: Nov. 3/5	Tuesday: Panel glue up Demo/Workday Thursday: Workday
Wk 13: Nov. 10/12	Tuesday: Router Demo/Workday Thursday: Finish assignment 4
Wk 14: Nov. 17/19	Tuesday: Get assignment 5/Sheet cut down Thursday: Miter sheet components
Wk 15: Nov. 24/26	Tuesday: Biscuit jointer Demo Thursday: <b>Thanksgiving</b>
Wk 16: Dec. 1/3	Tuesday: Assembly Demo/Final Quiz Thursday: Finish assembly & paint/Clean up (mandatory for grade)

## **Assignments**

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### **1: Push Stick**

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Each student will use the drill press, table saw and band saw to produce a push stick. Push sticks are used to feed wood stock through the table saw while leaving your hand a safe distance from the table saw blade.

### **2: Picture Frame**

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Students will learn to make simple museum style molding with a two cut rabbet lip. They will then use the molding stock to create a miter jointed 8 inch by 10 inch finished picture frame.

### **3: Stretcher Bars**

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Using the jointer and table saw to mill lumber. Students will make an angled rip on the table saw to create stretcher stock. This stock will then be turned into 18"x24" canvas stretcher frame.

### **4: Cradled Panel**

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A cradle frame is a frame without a lip that is used to back and support a flat panel. Students will learn how to attach a panel to the cradle frame and flush trim and finish the panel to the frame.

### **5: Pedestal (Group Build)**

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Pedestals are used to show works that do not hang and lift them off the ground. Students will learn how to create biscuit miter joints for a strong, clean looking connection and work with the instructor to make a finished pedestal.