

# ART 240

## Studio Furniture Design I

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### Contact Information

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### Office Hours

1:00-2:00 pm Monday / Wednesday & by appointment



*How to Wrap Five Waves,*  
 John Cederquist, 1990-1995

### Course Description:

Furniture Design I is a studio course designed to introduce the materials, processes, and evaluation of contemporary studio craft furniture. Students will be expected to come up with innovative, unique, well-crafted furniture design solutions. Through a variety of different assignments, students will explore traditional woodworking and metal fabrication techniques common to furniture makers. Demonstrations, lectures, and slide lectures will be used to supplement the studio work. Assignments will help students clarify their own artistic vision, while the formal critiques will help students create a critical dialogue while improving their use of specific terminology.

### Course Objectives:

- Design and produce your own unique studio furniture.
- Demonstrate intermediate level knowledge and use of wood working tools and techniques.
- Demonstrate intermediate level knowledge and use of metal working tools and techniques.
- Employ an iterative design process through the maintenance of a sketchbook.
- Establish and maintain a consistent, sustainable studio practice.

### Required Textbooks:

- Eissen, Koos and Roselien Steur. *Sketching: The Basics*. Amsterdam: BIS Publishers, 2011. ISBN ~ 978-90-6369-253-7
- Jackson, Albert, David Day and Simon Jennings. *The Complete Manual of Woodworking*. New York: Alfred A. Knopf, Inc., 1989. ISBN ~ 0-394-56488-X
- Kelsey, John. *Metal Working: Real World Know-How You Wish You Learned in High School*. East Petersburg, PA: Fox Chapel Publishing, 2011. ISBN ~ 978-1-56523-540-3

### Projects and Studio Critiques:

We will complete two significant projects this semester. Each project will take approximately seven weeks to complete and both will end with a group critique. Group critiques are one of the most important forms

of assessment and modes of learning. During the critique, you will be expected to offer up a serious critical analysis of the work. Please note that missing a scheduled studio critique is akin to missing an exam and is impossible to make up. *If you miss a critique, I reserve the right to reduce your project grade as I see fit, up to and including giving you a zero for the project!*

**Lectures, Exams and Sketchbooks:**

There will be regular lectures and demonstrations. These lectures are intended to supplement your coursework by providing you with an understanding of furniture design, tools and equipment. You will be tested on the content of these presentations. If you are absent when an exam is given, you will be given one opportunity to take the exam the following class period. It is your responsibility to ask for this accommodation. You are also responsible for maintaining a standard sized (8.5" x 11") sketchbook for this class to be used for specific sketching exercises. Sketchbooks will be collected each Monday for review.

**Evaluation:**

You will be given written feed back on your performance for every graded assignment. This feed back will address all the areas of evaluation discussed at the start of each project. Projects and homework are graded according to the following:

- Demonstration of an understanding of the given concept(s)
- Realization of the goals for each project
- Completeness/timeliness of handing in project
- Quality of finished projects and exercises
- The effort put forth



*Armchair 406, Alvar Aalto, 1938-1939*

Final grades will be based on:

Projects (2 @ 35%)	70%
Weekly Sketches (13 @ 1%)	13%
Technical Exercises (6 @ 1%)	6%
Presentation	5%
<u>Quizzes (2 @ 3%)</u>	<u>6%</u>
Total	100%

Believing that my high expectations reflect my respect for you and for your capacity to work at a level of excellence, I will follow the grading standards outlined in the college catalog:

- Grade A is reserved for work that is exceptional in quality and shows keen insight, understanding, and initiative.
- Grade B is given for work that is consistently superior, shows interest, effort, or originality.
- Grade C is a respectable grade. It reflects consistent daily preparation and satisfactory completion of all work required.
- Grade D- is the lowest passing grade. It is below the average necessary to meet graduation requirements and is not accepted for transfer by other institutions.
- Grade F is failing.

Grading Scale

93.0% - 100% = A	80.0% - 82.9% = B-	69.9% - 67.0% = D+
90.0% - 92.9% = A-	77.0% - 79.9% = C+	66.9% - 63.0% = D
87.0% - 89.9% = B+	73.0% - 76.9% = C	62.9% - 60.0% = D-
83.0% - 86.9% = B	70.0% - 72.9% = C-	0.0% - 59.9% = F

### Attendance:

It is essential that you attend class regularly. Instructions, lectures, and demonstrations will all be given at the start of each class. Your presence and participation in these activities directly correlates to your ability to succeed in the course; therefore, attendance will be taken regularly each class session. *You get three absences.* After you miss three classes, your final grade will be dropped a full letter grade for each additional absence. This means a final grade of A would become a B with four absences and a C with five. *Six or more unexcused absences will result in immediately failing the course.* Each late arrival and early departure counts as half an absence.

### Conduct:

This is a small space and there will be many students working in the space at the same time. Students are encouraged to be respectful and patient with one another and to foster an atmosphere of mutual support. *You are expected to take 10-15 minutes at the end of each class to put away your materials, store your projects, clean the floor and table(s) around your workstation, and return tools to their proper location. No one is exempt from this responsibility, so please plan accordingly.*



*Wiggle Chair, Frank Gehry, 1969*

### Dress Code:

We will be working with a wide variety of materials and equipment. Many of the processes we will be using are inherently dangerous and carry with them a certain amount of personal risk. In order to minimize the danger to you and your fellow students, you will be expected to dress appropriately whenever you are working in the sculpture studio – regardless of the media you are working with. **Whenever you are working in the studio, you MUST wear close-toed shoes (preferably leather work shoes).** *Absolutely NO sandals, flip-flops, Tom's, loafers, flats, slippers or other open-toed or soft-sided shoes.*

You should wear long pants (preferably denim), and shirts with a modest neckline. Always wear natural fiber clothing whenever possible (no polyester/ rayon blends as they are highly flammable). In addition, every time you work with any machinery, you are expected to wear all proper safety equipment, (including safety glasses, face shield, ear and hearing protection, and a dust mask), and follow all applicable safety procedures.

### Communication:

You are required to maintain a Rollins email account and check it regularly for this course. I will send reminders about our class activities and any changes for project due dates via email throughout the semester. *If you are unclear about your standing in the course or feel unclear about how your projects are being evaluated, it is your responsibility to seek clarity.* Please schedule an appointment to meet with me during my office hours. In addition, as we work in the studio, please don't hesitate to ask me for assistance. If you don't ask, I will assume that you would like to be left to your own devices. It is your responsibility to ask for help when you need it.

### Academic Dishonesty:

In an academic institution, few offenses against the community are as serious as academic dishonesty. Plagiarism, "double dipping", cheating, unauthorized collaboration, and any other form of academic dishonesty that is in violation of the Rollins College Academic Honor Code will not be tolerated. Such behavior is a direct attack upon the concept of learning and inquiry and casts doubt upon all measure of achievement. Membership in the student body of Rollins College, therefore, carries with it an obligation, and requires a commitment, to act with honor in all things. The following pledge is a binding commitment by the students of Rollins College:

*The development of the virtues of Honor and Integrity are integral to a Rollins College education and to membership in the Rollins College community. Therefore, I, a student of Rollins College, pledge to show my commitment to these virtues by abstaining from any lying, cheating, or plagiarism in my academic endeavors and by behaving responsibly, respectfully and honorably in my social life and in my relationships with others.*

This pledge is reinforced every time a student submits work for academic credit as his/her own. Students shall add to all papers, quizzes, tests, lab reports, etc., the following handwritten abbreviated pledge followed by their signature:

*“On my honor, I have not given, nor received, nor witnessed any unauthorized assistance on this work.”*

Material submitted electronically should contain the pledge; submission implies signing the pledge. The College’s policies on academic dishonesty are thoroughly outlined online at: <http://www.rollins.edu/academichonorcode/>

**Be aware: The Academic Honor Code also covers all shop and studio policies.**

### Disability:

Rollins College is committed to equal access and does not discriminate unlawfully against persons with disabilities in its policies, procedures, programs or employment processes. The College recognizes its obligations under the Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990 to provide an environment that does not discriminate against persons with disabilities. If you are a person with a disability on this campus and anticipate needing any type of academic accommodations in order to participate in your classes, please make timely arrangements by disclosing this disability in writing to the Disability Services Office at (box 2772) - Mills Building, 1000 Holt Ave., Winter Park, FL, 32789. Appointments can be scheduled by calling 407-646-2354 or email: [gridgeway@rollins.edu](mailto:gridgeway@rollins.edu)

### Emergency Preparedness (Hurricanes):

The safety of the students, faculty, and staff at Rollins College is our highest priority. Rollins monitors weather conditions and has an extensive emergency plan to address weather emergencies and any other crises that may affect the campus. No matter what the emergency, our Emergency Operations Team meets regularly and stands ready to work in cooperation with the City of Winter Park, Orange County, and other government agencies to coordinate emergency procedures should the need arise. Classes, functions, and events will proceed as scheduled unless you are notified otherwise. Before, during and after any emergency, we will issue notifications of campus status and other pertinent information as needed through a variety of communication mechanisms, including the Rollins Web site, the Rollins information hotline, broadcast e-mail messages, broadcast voice mail messages, door-to-door contact and fliers posted in key locations.

Unless electronic communication is unavailable following a storm or emergency, the Rollins Web site will be the official source for information. Status updates will be posted on the Web and recorded on the Rollins information hotline. Students may receive recorded updates by calling the Rollins information hotline, which is the main campus number, at (407) 646-2000. Should telephone and electronic communication be interrupted, information fliers will be posted on bulletin boards around campus, in the residence halls, and at entrances to key buildings. Students are encouraged to talk to their family members about ways of getting in touch with one another should normal communication be disrupted. Students are reminded that the Rollins campus will likely be a safe place to be during an emergency should immediate travel not be a viable option.



*Ladderbackcabreddal #1,  
Tom Loeser, 2005*

# Course Calendar\*

\*Schedule subject to change

August	26	Lecture:	Syllabus and Shop Policies
		Lecture:	Furniture Anatomy and Ergonomic Standards
		Slide Lecture:	Wood Studio Furniture
		Read:	<i>Sketching</i> pp. 11-53 (Chapters 1 & 2) <i>Complete Manual of Woodworking</i> pp. 40-74
August	28	<b>Exam:</b>	<b>Shop Safety</b>
		Discussion:	<i>Sketching</i> techniques
		Read:	<i>Sketching</i> pp. 54-111 (Chapters 3 & 4)
		Homework:	Wood stool designs
September	2		<i>Labor Day Holiday - No Class</i>
September	4	<b>Due:</b>	<b>Wood stool designs</b>
		Discussion:	<i>Sketching</i> techniques
		Demo:	Maquette fabrication techniques & (time permitting) table saw and machinery safety
		Read:	<i>Complete Manual of Woodworking</i> pp. 12-15, 34, 76-83, 88-93, 98-99, 102-105, 108-122
September	9	<b>Due:</b>	<b>Wood Stool Maquette</b>
		Demo:	Measuring and Marking
		Homework:	Sketch Assignment #1
September	11	Technical #1:	Surfacing, Measuring & Marking Your Stock
		Demo:	Hand Tools (part 1)
		Read:	<i>Complete Manual of Woodworking</i> pp. 124-135, 140-150, 156-163, 172-180 and 188-191
September	16	Demo:	Hand Tools (part 2)
		Homework:	Sketch Assignment #2
September	18	Technical #2:	Hand Sawn Dovetail Joints
		Read:	<i>Complete Manual of Woodworking</i> pp. 216-219, 222-223, 226-239, 246-247, and 284-294
September	23	Homework:	Sketch Assignment #3
September	25	Technical #3:	Hand Chiseled Mortise and Tenon
		Read:	<i>Sketching</i> pp. 114-199 (Chapters 5, 6, & 7)
September	30	Field Trip:	IKEA
		Homework:	Sketch Assignment #4
October	2	Technical #4:	The Claw and Ball Foot
October	7	<b>Exam:</b>	<b>Wood Process</b>
		Homework:	Sketch Assignment #5 & 6
October	9	<b>Critique:</b>	<b>Wooden Stool</b>
		Begin:	Project #2 - Metal Table

October	14	<i>Fall Break - No Class</i>	
October	16	<b>Due:</b>	<b>Metal table designs</b>
		Slide Lecture:	Metal Furniture
		Demo:	Marking, Bending, and Folding Your Metal
		Read:	<i>Metal Working pp. 6-61</i>
October	21	<b>Due:</b>	<b>Metal table maquettes</b>
		Demo:	Metal Bandsaw and Other Cutting Techniques
		Read:	<i>Metal Working pp. 62-75, 92-96, and 120-133</i>
		Homework:	Sketch Exercise #7
October	23	Demo:	MIG Welding and Soldering
October	28	Technical #5:	The Soldered Box
		Homework:	Sketch Assignment #8
October	30	Demo:	Metal Finishing Techniques
November	4	<b>Exam:</b>	<b>Metal Process</b>
		Homework:	Sketch Assignment #9
November	6	Metal Table (cont...)	
November	11	Technical #6:	Coupons and Welding Exercises
		Homework:	Sketch Assignment #10
November	13	Field Trip:	MAKr
November	18	Homework:	Sketch Assignment #11
November	20	<b>Due:</b>	<b>Artist Presentations</b>
November	25	Homework:	Sketch Assignment #12 & 13
November	27	<i>Thanksgiving Holiday - No Class</i>	
December	2	Metal Table (cont...)	
December	4	<b>Critique:</b>	<b>Metal Table</b>
		<b>Due:</b>	<b>All Design Materials &amp; Sketchbooks (for final grading)</b>

# Summary of Due Dates\*

\*Does not include Sketch Assignment due dates. Please refer to individual Sketch Assignments for specific dates.

August	28	Exam: Shop Safety
September	4	Due: Wood Stool Designs
September	9	Due: Wood Stool Maquette
October	7	Exam: Wood Process
October	9	Critique: Wood Stool
October	16	Due: Metal Table Designs
October	21	Due: Metal Table Maquette
November	4	Exam: Metal Process
November	20	Due: Artist Presentations
December	4	Critique: Metal Table
		Due: All Design Materials and Sketchbooks for Final Grading