

**UNIVERSITY OF WISCONSIN OSHKOSH**  
**DEPARTMENT OF ART**  
**FUNCTIONAL DESIGN III**  
**22-452**  
**4:10 - 6:20 pm MON. & WED.**  
**COURSE SYLLABUS - Fall 2006**

Asst. Prof. Andrew Redington  
office # : A/C 504  
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Office Hours : Mon. and Wed. 12:30 pm - 1:40 pm or by appointment\*

**COURSE OBJECTIVE:** You obviously an interest in creating functional three dimensional art. Continuation of this educational pursuit will be achieved four ways. First, the technical experience of power equipment use and techniques; second, to be exposed to work being done by contemporary and historical functional design; third, to strengthen your means of personal expression through three dimensional design and fourth, to design in a functional nature and to understand the importance of critical thinking, problem solving, and planning prior to execution. .

**COURSE EXPECTATIONS:** I will expect you to do three projects this semester. Investigation of materials and research in the planning stages can save on costs, frustration, stress, and headaches in later stages. **Note taking is expected.** Each and every student must demonstrate to the instructor that they are competent in using each power tool before they will be permitted to use it for projects. Please study the safety outlines and ask questions during demonstrations.

**GRADES OR EVALUATION CRITERIA:**

50% ~ Creative problem solving.

~ Creative energy, innovativeness and expression. In work and drawings or models of design.

50% ~ Technical skill

~ Craftsmanship, or the care with which pieces are made.

~ Professionalism and cleanliness, attendance, attitude, and effort.

**LETTER GRADE TRANSLATIONS:**

- A- Work far exceeds expectations of the professor. All work is handed in on time in a professional fashion. Attends all class sessions. Keeps working areas clean and helps in lab maintenance.
- B- Work exceeds expectation of the professor. All work is handed in on time in a professional fashion. Keeps working areas clean and helps in lab maintenance.
- C- Work meets expectations of the professor. All work is handed in on time. Keeps working areas clean.
- D- Does not meet expectations of the professor. Work handed in late. Marginal absenteeism or tardiness from class time.
- F- Work is poor or late. Absent from class time. Does not help in lab maintenance or clean-up.

At mid-term (October 25) you will be given an individual critique and grade based on completed assignments and projects. This will count as 50% of your grade. At the end of the semester you will participate in a group critique and a grade will be issued based on participation in this event and on assignments and the final project. This will count as the remaining 50% of your grade.

**LAB FEE:** A non-refundable lab fee (\$30.00) is added to your tuition to cover common use of materials; i.e., sandpaper, screws, nails, foam core board, paper, glue, laminates and finish agents. Other tools and supplies must be purchased by the student.

Outside readings and texts from which to gather technical information and design ideas are strongly encouraged. Any issue of S.O.F.A., Metropolis, Woodworkers Journal, or Fine Woodworking magazine is a good source for contemporary functional design ideas. Please check the library for availability. A check out system will be implemented for the reading of materials.

**CLEAN UP:** Each student will be assigned an area to maintain and clean up. This does not excuse you from cleaning up after yourself, which must be done especially during open laboratory hours. All tools, materials, and projects must be put away and the lab cleaned at the end of the class or open lab session. Never invite friends into this lab or volunteer to do work for them in this lab. Never lend out tools or remove tools from the laboratory. If at any time I find tools left out and/or a mess and student(s) not executing their respective cleaning assignments, those responsible will jeopardize their grade and be restricted to working during class time under instructor supervision.

**OPEN LABORATORY HOURS:** A time will be arranged for you to work in the shop outside of class time. A shop technician with key access will arrange a time most convenient for students and post that time on the shop door along with a sign in/out sheet to assure safe and adequate shop access and to eliminate students who are not enrolled and/or do not know how to use the equipment. **All work must be done in the classroom.**

\*I spend hours in the Art Metal (s24) and Functional Design (s2) Laboratories. Appointments are recommended.

ASSIGNMENT/PROJECT SCHEDULE  
22-452  
FUNCTIONAL DESIGN III

**ASSIGNMENT #1:** Design 1 actual size model. Use chip/tag board. Designs must be radially symmetrical / coopered forms. Staves must be no wider than 5" at any point. Take into consideration the design principles and elements.

DUE: September 11, 2006

**ASSIGNMENT #2:** Choose one of the three designs to be executed using bent lamination techniques. Jigs for bending, laminating and cutting must be completed in MDF that is provided by the due date.

DUE: October 2, 2006

**PROJECT #1:** Execute plans from Assignment #2.

**Due:** October 25, 2006

**Objective:** Explore the possibilities of bent lamination and coopering.

**ASSIGNMENT #3:** Design 3 models. Use CAD. Designs must be a variation on the coopered form from Project #1. Take into consideration the design principles and elements.

DUE: October 25, 2006

**ASSIGNMENT #4:** Choose one of the three designs to be executed using bent lamination techniques. Jigs for bending, laminating and cutting must be completed in MDF that is provided.

DUE: October 25, 2006

**PROJECT #2:** Execute plans from Assignment #4 using the aforementioned techniques.

**Due:** December 11, 2006

**Objective:** To further explore the possibilities of bent lamination and coopered forms.

**ASSIGNMENT #5:** Draft plans using **CAD** (Vectorworks) and create a model (any material and scale is acceptable) for a project of your choice that is functional in nature.

DUE: October 25, 2006

**PROJECT #3:** Execute plans from Assignment #5

**Due:** December 11, 2006

**Objective:** To use newly learned techniques and design in a functional, three dimensional nature.

**December 13, 2006 - individual critiques and project pickup during class period.**  
**(Plan now to remove all objects from the classroom on this date)**