

UNIVERSITY OF WISCONSIN OSHKOSH
DEPARTMENT OF ART
FUNCTIONAL DESIGN II
22-352
4:10 - 6:20 pm MON. & WED.
COURSE SYLLABUS -Fall 2006

Assoc. Prof. Andrew Redington

office # : A/C 504

phone # : 424 -1349 (Functional Design - 7450 / Art Metals - 2214)

email: redingto@uwosh.edu

Office Hours : Mon. and Wed. 12:30 pm - 1:40 pm or by appointment*

COURSE OBJECTIVE: Taking this class for a second time shows that the student has 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.** 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 (Dec 11) 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 (\$40) is added to your tuition to cover materials; i.e., plywood, sandpaper, screws, nails, foam core board, paper, glue, and finish agents. Other tools and supplies must be purchased by the student.

The following is a list of outside readings and texts from which to gather technical information and design ideas:

ENCYCLOPEDIA OF FURNITURE MAKING, Ernest Joyce

THE COMPLETE MANUAL OF WOODWORKING, Albert Jackson, David Day, Simon Jennings

TAGE FRID TEACHES WOOD WORKING, Tage Frid

FURNITURE ARCHITECTS 'AND DESIGNERS' ORIGINALS, Carol Soucek King, Ph.d.

Any issue of S.O.F.A., Metropolis, 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
22-352
FUNCTIONAL DESIGN II

ASSIGNMENT #1: Design on paper, a small form which utilizes inlay, marquetry, or parquetry. Forms must also include some sort of kinetic or movable part (ex. a drawer). Take into consideration the design principles and elements.

DUE: September 11, 2006

ASSIGNMENT #2: Choose one of the three designs to be executed. This may be an improvement on an idea or a hybrid of any number of the ideas. Draft plans using **CAD** (Vectorworks) and create a new model if needed or specified.

DUE: October 2, 2006

Objective: To individually complete a project, get more hands on experience and instruction, and execute a project from conception to completion. Experience using computer aided design

PROJECT #1: Execute plans from Assignment #2.

Due: October 25, 2006

ASSIGNMENT #3: Design **3** proportionally correct 1/4" = 1" or 3" = 1' scale models. Use 3/16" white foam core board (or other 3/16" material but end product must be completely white) with a maximum surface area of 1' 3" sq. (life size would be 5' X 5' or 25' sq. of 3/4" thick material). Take into consideration the design principles and elements. 3/16" white foam core board will be furnished.

DUE: October 25, 2006

ASSIGNMENT #4: Choose one of the three designs to be executed in plywood. This may be an improvement on an idea or a hybrid of any number of the ideas. Draft plans and create a new model if needed or specified.

DUE: November 20, 2006

Objective: To complete a project given parameters set by size and amount of material.

PROJECT #2: Execute plans from Assignment #4 in baltic birch plywood.

Due: December 11, 2006

ASSIGNMENT #5: Drafted plans and model (any material and scale is acceptable) of a project of your choice that is functional in nature and uses all or some of a found object. **CAD must be used.** A written list of all materials needed for # 3 (lumber, marble, metal, glass, etching solution, hinges, brackets, flanges, copper flashing, paint, fabric, feathers, fur, batting, springs, plexi, etc.). Procure all materials for project #3

DUE: November 20, 2006

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

PROJECT #3: Execute plans from Assignment #5

Due: December 11, 2006

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