

TXMI 3570 - Color Science - Fall 2004

INSTRUCTOR: Dr. Helen H. Epps
Office - Dawson Hall, Room 300
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CLASS SCHEDULE: Tuesday and Thursday, 12:30-1:45

OFFICE HOURS: Monday, 1:25-2:15
Tuesday and Thursday, 11:00-12:00 and 2:00-3:00
other times by appointment

I. Catalog Description: Basic color theory and measurement; analysis of the use of color, with applications to the areas of apparel, interiors, textiles and merchandising.

II. Objectives of the Course

- A. To understand basic color theory, measurement and evaluation
- B. To observe the interaction of color and other design elements
- C. To understand elementary principles of color vision
- D. To discuss problems with coloration of consumer products: color matching, Metamerism, color change
- E. To discuss relationships between psychological aspects of color and presentation of Consumer products with emphasis on textiles, apparel, and interiors

III. Required Materials

- A. The New Munsell Student Color Set, including the handbook, The Munsell Color System: A Language for Color, by Jim Long and Joy Turner Luke, Fairchild Publications, New York, 2001.
- B. miscellaneous supplies (glue stick, other adhesive, color samples)
- C. Additional references and handouts that will be provided by the instructor during class throughout the semester are considered REQUIRED reading and study material.

IV. Course Information

- A. Class attendance is expected. Students will be held responsible for all information discussed and work completed in class, regardless of attendance.
- B. Make-up exams will be given only in the case of documented illness. The format and schedule for make-up exams will be at the discretion of the instructor.
- C. Grade penalties will apply for assignments turned in late. (10% per day)
- D. Academic dishonesty will not be tolerated. For the definition of academic dishonesty, see The University of Georgia Student Handbook.

V. Course Requirements and Evaluation

	<u>Points</u>
Participation (attendance; assignments, final project completion)	5
Exam I	20
Exam II	20
Exam III	20
Color Harmony Project	10
Comprehensive Exam	<u>25</u>
TOTAL	100

VI. Course Format

The course will be taught primarily as a lecture/discussion class, with several in-class projects and out-of-class projects that will be conducted individually and in groups. Laboratory and outside assignments on the Munsell color system, instrumental color measurement, lighting and color, and color vision evaluation will be included. Lecture information will parallel text readings and other assigned readings, and will also provide supplemental information from a wide range of sources on the history, art, and science of the development and application of color theory and measurement. At least half of the material covered in the course will come from supplemental lecture material and projects not included in the textbook. Exams will be based on course lecture information, readings, and project assignments.

A project on color harmony will be completed. This will involve independent work outside of class. Further details, including due date, will be discussed in class.

VII. Important Dates

Thursday, Sept. 23 - Exam 1

Thursday, Oct. 21 - Exam 2

Thursday, Nov. 18 - Exam 3

Thursday, Dec. 9 - Comprehensive Exam

Color Harmony Project due date to be announced in class

THURSDAY, Dec. 16, 12:00 noon - Computer project due