

TXMI 3520: Textile Testing
Fall 2007
Dawson Hall: Lecture 110; Lab 308

Instructor: Mrs. Emily Blalock
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Office Hours: Monday- 10:00 to 12:00 and Tuesday- 1:00 to 3:00; other times by appointment

Course Time: Lecture- Tuesday, 8:00 – 9:15
 Lab Section 1: Tuesday, 9:30 – 10:45
 Lab Section 2: Thursday, 8:00 – 9:15
 Lab Section 3: Thursday, 9:30 – 10:45
Open Lab- TBA
Switching between sections will not be allowed.

Prerequisites: TXMI 3500 and STAT 2000

Textbook: Collier, B. J. and Epps, H. H., *Textile Testing and Analysis*, Prentice Hall, 1999.

Laboratory Manual: *Textile Testing Lab Manual*, Bel-Jeans packet. Lab manual will be needed during each lecture and lab period.

Required Materials: Students are required to purchase 3 yards of a medium weight woven fabric which would be suitable for a specific end use. This will be explained in class. **All students must provide their own pair of fabric scissors and calculator.**

Additional Readings: Assigned and/ or given out in class

References: (supplied in room 308)

1. AATCC Technical Manual. American Association of Textile Chemists and Colorists, Research Triangle Park, North Carolina, 2003.
2. Annual Book of ASTM Standards. Vol. 7.01 and 7.02, American Society for Testing and Materials, Philadelphia, Pennsylvania, 2002.

I. Description:

This is a required course for all undergraduate students majoring in Fashion Merchandising and Furnishings and Interiors. The purpose of TXMI 3520 is to introduce students to the physical analysis of textiles in order to educate the students to evaluate fabric suitability for an intended end use. Students will study the influence of fibers, yarns, fabrics, and finishes that can influence the performance of textiles in their chosen fields of interest.

I. Course Objectives:

1. To understand the importance of textiles in your everyday lives and in your future careers
2. To stay well-informed of the *current developments* in textile technology within the fields of fashion retailing and interior design.
3. To understand the principles of textile testing
4. To test and evaluate textile fabric in relation to end-use performance guidelines
5. To familiarize the student with textile testing equipment and the various facets of testing
6. To calculate and interpret descriptive statistics used in textile testing
7. To derive valid conclusions on end-use performance of fabrics based on testing data

III. University of Georgia Academic Honesty:

Learning to properly paraphrase and cite sources is essential to creative and academic scholarship. Please ask if you have questions about what is considered violations. All academic work must meet the standards contained in *A Culture of Honesty* found at <http://www.uga.edu/ovpi>. **I have zero tolerance for academic dishonesty**; those suspected of cheating or plagiarizing will be turned into the University of Georgia **immediately**. (*You will not pass this class if caught cheating*).

IV. Special Needs:

I will never post grades using students' names, but by a four digit student number. However, there will be times that I say your name in class (when asking for feedback or to answer a question). If you feel uncomfortable with me calling your name out loud, or posting groups by name, please visit me or email me to let me know. Let me know immediately if you need special accommodations in any way, and/ or feel there is anything I need to know that might improve your learning environment.

V. Course Expectations:

1. HAVE A POSITIVE ATTITUDE! My Mama says, "*You get more flies with honey than you do with vinegar!*"
2. You will be treated as a colleague in a professional setting. Your attitude, investment in the course and all related activities, treatment of fellow peers and the Instructor, and your work performance should reflect the level of professionalism expected in a work setting.
3. During the Tuesday lecture portion of the course I strongly encourage students to **participate in class discussions** and ASK QUESTIONS. It is a requirement that each student introduce at least one current event article during the semester. The first fifteen minutes of every lecture will be devoted to the presentation and exploration of new inventions/ improvements in textiles (active and thoughtful participation is worth 50 points). The following is a list of suggested journals/ magazines that provide relevant articles to textile testing:
 - a. Women's Wear Daily (Main Library)
 - b. Wall Street Journal (UGA online Library)
 - c. Textile World (Science Library)
 - d. AATCC Review (Science Library)
 - e. Consumer Reports (Science Library)
 - f. Textile Horizons (Science Library)
 - g. Business Week (UGA online Library)
 - h. CNN.com
4. I will not tolerate racism or sexism in this class. Any derogatory comment or disrespect for an individual or group of people will not be tolerated.
5. Class attendance is strongly recommended. **There are no excused absences**. There is no need to notify me of your absence or to bring excuse notes to class (this includes: sickness, over

sleeping, car issues, and interviews). You are allowed up to 3 absences before points are subtracted from final average (*See Course Requirements*).

6. Assignments are due at the BEGINNING of class on the date stated on the syllabus. Assignments turned in past 4:00pm on the specified due date exemplifies lack of professionalism, therefore, will not be accepted. Note: **Not citing sources in a paper is plagiarism.**
7. Exams will consist of questions based on information covered in class, textbook information, reading assignments, lab reports, and student current event articles. Exam questions will be in the form of multiple choice, true/false, and short answer. The focus is comprehension and application rather than memorization.
8. It is your responsibility to keep up with your current points including: attendance, class participation, lab reports, tests and projects. Do not email me asking about your class points, however, you may email me to set up an appointment.
9. ABSOLUTELY NO CELL PHONES (text messaging) OR FOOD.

VI. Course Requirements:

1. On-time attendance is mandatory. Attendance and class participation is expected and required. I will take attendance at the beginning of class. There will be no provision for making up missed lectures, demonstrations, or group experiments. **Some group experiments cannot be made up even if an absence is excused because of the nature of the experiment.** You will be unable to earn full credit if you are absent during a group laboratory experiment.

It is very disrupting for students to come in late or leave early. Do not plan on attending class if you are more than 15 minutes late. Students will only get attendance points if the entire class period is attended. **Attendance is worth 50 points of your final grade.**

There are no excused absences. (including: sickness, over sleeping, car issues, weddings, interviews etc.) So plan your absences wisely. Excuse notes are irrelevant. On the 9th absence, the student will be considered not having satisfied regular attendance policy and will receive grade of WF.

0-3 absences	50 pt.	6 absences	20 pt.
4 absences	40 pt.	7 absences	10 pt.
5 absences	30 pt.	8 absences	0 pt.

2. Students are responsible for assignments and materials presented in class. I will not hand out lecture notes or handouts from previous classes. If a student misses class, it is their responsibility to get the handouts that were given in class.
3. Taking a make-up exam is a privilege, not a right. Make-up exams will only be granted with proper documentation (medical) or extremely unusual circumstances. Make-up exams must be scheduled within 2 weeks of the regularly scheduled test date. It is up to the student to contact the instructor for a make-up exam.
4. **Under no circumstances will e-mailed assignments be accepted for credit.**

VII. Grading Scale:

The plus/ minus system is the official grading system approved by the Board of Regents for a three year period. Final grades will be computed based on a total of 920 points. Below is the percentage distribution.

93% - 100%	= A
90% - 92%	= A-
87% - 89%	= B+
83% - 86%	= B
80% - 82%	= B-
77% - 79%	= C+
73% - 76%	= C
70% - 72%	= C-
60% - 69%	= D
00% - 59%	= F

<u>Assignment</u>	<u>Points</u>
Attendance (Lecture and Lab)	50
Class participation (Lecture)	50
(Current event articles, class discussion, thoughtful questions)	
Laboratory reports (10 pts each)	350 (number subject to change)
Group Presentation	70
Exam I	100
Exam II	100
Exam III	100
COMPREHENSIVE EXAM	100
TOTAL	920

(Bonus Points may be accumulated during the semester and will be added to your overall total score at the end of the semester.)