

## COURSE SYLLABUS

TXMI 4120/6120 (3 hours credit)  
Product Standards and Quality Analysis  
Spring Semester, 2002

Dr. J. Nolan Etters  
Office Hours: Open  
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### Course Description:

Processes of developing, maintaining, and assessing product standards, from the initial design process to end uses of textile and apparel products. Quality assurance and certification programs; governmental regulations; statistical analysis and control and benefits offered through standards are other topics that will be discussed.

### Prerequisites:

STAT 2000 and TXMI 3520 or equivalent course work for transfer students and/or permission of department.

### Lecture times:

2:00 - 3:15 Tuesday and Thursday

### Course Purpose and Objectives:

The primary purpose of the present course is to develop the student's ability to:

1. understand the processes by which product standards are developed.
2. establish and evaluate product standards and specifications.
3. understand the role of government regulations and the effect of such regulation on the development of textile and apparel standards.
4. understand quality assurance and its implications on the controls and regulations of goods being manufactured.
5. examine critically quality control inspection processes and procedures used to monitor production, packaging and shipping.
6. determine the benefits offered by product standards to manufacturers, retailers, consumers, and to those involved in international trade.

Course Requirements and Evaluation:

Summaries of articles pertaining to standards of quality control .....	250 points
SAS assignments .....	250 points
Midterm exam .....	250 points
Development and presentation of a standard test method .....	<u>250 points</u>
	1000 points

Grading Scale:

900 - 1000 points	A
800 - 899	B
700 - 799	C
600 - 699	D
0 - 599	F

Discussion of Course Work:

1. Summaries of Articles. A one to three page, double-spaced typewritten summary of a journal or magazine article (no older than six months) dealing with textile standards or textile quality control is due four times during the quarter, as indicated on the calendar. A book should not be used as a source for the summary. The summary should include: Title of article, author(s), source of article, publication date, and page numbers. A photostatic copy of the article should be turned in with summary so that the instructor may check for **plagiarism**. Summaries will be graded very strictly on correct English usage. It is important for UGA undergraduate and graduate students to be able to write well.
2. SAS Homework. Assignments are due, as indicated on the calendar, and will consist of computer generated solutions to various assigned problems. These simple assignments and how to use SAS will be discussed in detail in class.
3. Midterm Exam. The nature and format of the midterm exam will be discussed in detail in class.
4. Standard Textile Text Method. Each student will dream up and present to the class an original standard textile text method of his own design. The written test method should follow AATCC format and be of sufficient technical and written quality to permit the method to be submitted to the AATCC for consideration as a new test method. The standard textile test method is due as indicated on the calendar.

**POLICY CONCERNING LATE WORK:**

A penalty of 5 points per day will be deducted from the grade made on work turned in late without an acceptable excuse.

**ATTENDANCE POLICY:**

Attendance is mandatory when guest speakers lecture and during standard test presentations by students. Unexcused absences during these times will result in a 5% deduction from your **final grade** for each absence. Student tardiness is greatly disliked by Dr. Etters. Tardy students disrupt class attentiveness.

***TENTATIVE CALENDAR***

<b>Date</b>	<b>Lecture</b>	<b>Assignment Due</b>
01/08	Syllabus	-
01/10	Standards, Quality Analysis & SAS	-
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01/15	Standards, Quality Analysis & SAS	-
01/17	Standards, Quality Analysis & SAS	-
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01/22	Summary Presentations	Summary Report #1
01/24	Standards, Quality Analysis & SAS	
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01/29	Standards, Quality Analysis & SAS	-
01/31	Standards, Quality Analysis & SAS	SAS Homework #1
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02/05	Standards, Quality Analysis & SAS	-
02/07	Standards, Quality Analysis & SAS	-
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02/12	Standards, Quality Analysis & SAS	-
02/14	Summary Presentations	Summary Report #2
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02/19	Standards, Quality Analysis & SAS	-
02/21	Standards, Quality Analysis & SAS	SAS Homework #2
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02/26	Midterm Exam	
02/28	Standards, Quality Analysis & SAS	-
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03/05	Standards, Quality Analysis & SAS	Summary Report #3
03/07	Standards, Quality Analysis & SAS	
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03/12	Standards, Quality Analysis & SAS	
03/14	Standards, Quality Analysis & SAS	SAS Homework #3
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03/19	<b>SPRING BREAK</b>	
03/21	<b>SPRING BREAK</b>	
03/26	Standards, Quality Analysis & SAS	-
03/28	Standards, Quality Analysis & SAS	SAS Homework #4
04/02	<b>Internet Assignment</b>	-
04/04	<b>Internet Assignment</b>	-
04/09	Presentation of Internet Findings	Summary Report #4
04/11	Standards, Quality Analysis & SAS	-
04/16	Standards, Quality Analysis & SAS	-
04/18	<b>Presentation of Standard Test Method</b>	<b>Written Standard</b>
04/23	<b>Presentation of Standard Test Method</b>	<b>Written Standard</b>
04/25	Discussion of course content and suggestions for improvement	