

**TXMI 3540 – CAD for Apparel Design and Production
TEXTILES, MERCHANDISING & INTERIORS****Course Syllabus****FALL 2009**Department of Textiles, Merchandising and Interiors
University of Georgia

Instructor:	Ms. Alecia Brooks
Office Location:	313 Dawson Hall
Office Hours:	Wednesdays 10:30 – 11:15 and 2:15 – 3:00 by appointment
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Credit/Clock Hours:	3 credit hours

Course Description and Objectives

The course is an introduction to the general knowledge and basic skills in using CAD systems for Fashion Design.

Upon successful completion of this course, the student should be able to:

- Have a good working knowledge of the following pre-production functions using CAD software;
 - Pattern creation through digitizing, alteration of existing pattern files and use of base styles
 - Style / Garment creation
 - Digitizing
 - Marker Making for production and for costing modules
 - Pattern engineering
 - Pattern grading
 - Pattern file / Style file data management
- Be knowledgeable of product development functions controlled by the use of CAD software for the purpose of product costing
- Be knowledgeable of product data management software with regard to garment manufacturing specifications

Pre-requisites, Co-requisites, and Cross-Listings

None

Required Textbooks and Materials

- Two flash drives, to be solely devoted to this class
- Opti-Tex CAD software documentation – to be obtained online or in class, on an as needed basis, as directed by instructor.

Class Structure

The class to be conducted by use of a combination of lecture, group discussion, quizzes (may not be announced in advance), open lab activities, exercises, and projects.

Class Policies:

- **Academic Honesty:** Any student turning in work that is not their own work or is discovered cheating on any quiz, project, or assignment will receive an “F” for the assignment, their actions will become a permanent part of their academic record, and they will be recommended for disciplinary action according to the University handbook and policies. It is very easy to determine if a student has cheated in CAD, so do not copy anything from another student, the internet, etc. *All academic work must meet the standards contained in “A Culture of Honesty.” All students are responsible to inform themselves about those standards before performing any academic work.*
- **Attendance:** Students are expected to be in their seats and ready to begin at the start of class. Attendance will be taken at the beginning of each class. A maximum of three (3) absences for the are allowed, including excused and unexcused absences. Each absence afterwards may result in a 1/3 letter grade being deducted from the final grade earned for the class. If a student enters the classroom after attendance has been taken it is their responsibility to inform the instructor of their presence (do not assume the instructor has seen you and marked you present). Failure to inform the instructor of your presence will result in an absence which will not be negotiable. Students are responsible for making up missed work and acquiring materials given out in class from other classmates. If a student is absent, they will not be able to use class time to ask questions about material that was covered while they were absent. The student will be required consult a classmate or the instructor during posted office hours.
- **Tardiness:** Students are expected to be in their seat at the start of class. If you are not in your seat, ready to begin, at the start of class you will be counted tardy. Four tardies will count as an absence. Arrival 15 minutes or more after the start of class will result in a ½ absence. *It is the student’s responsibility to inform the instructor of their presence at the end of class.*
- **Leaving Class Early:** Students may not leave class until they are dismissed by the teacher. Leaving before the end of class will result in a ½ absence.
- **Class Participation:** Students are to be prepared for class, to bring two (2) flashdrives and all handouts to all classes, to spend most of class working on assignments or projects, to pay attention and not socialize excessively, and to **not** read and/or work on materials and projects unrelated to this course or check e-mail during class time. When working on projects, students are expected to bring materials necessary to work in class. Failure to comply will result in being counted absent for class.
- **Cell Phones:** Cell phones are to be turned OFF for the entire duration of the class. Students may use cell phones in the hall during designated breaks.
- **Due Dates and Late Work:** All work will be due at the beginning of class date given unless otherwise stated. Late work will not be accepted for any circumstances other than documented excuses (see below) and will receive an F. If a disk does not contain the drawing that is due, it will be considered “late” and will not be graded. The giving of make up quizzes to be determined on an as needed basis by the instructor and is at the discretion of the instructor.
- **Documented Excuses:** Submission of late work will be *considered* in cases of unavoidable situations and personal/family emergencies. A written request and explanation is to be given to the instructor personally as soon as possible, and **MUST** be accompanied with valid documentation supporting delay and/or absence.
- **Web-CT:** Each student enrolled in the course is responsible for regularly checking the Web-CT site for the purpose of instructor’s announcements and updates related to course.

- **Electronic Files:** All electronic files created for course work are the responsibility of the student. Every student must have two flash drives (USB) that are to be used solely in this class (do not save files for other classes or personal information on these disks). Each student must maintain **back-up** files for **all work**. **Damaged or erased computer files will be considered incomplete work and will be evaluated as they are submitted. If the file can not be opened or has been erased or corrupted the assignment will receive an F. You should always have a backup copy of all work. Save regularly and make certain all assignments are properly saved before submission.**
- **Submitting Drawings:** Each assignment must be submitted in the following format: Your first initial followed by your last name followed by the exercise or project number. Example: **abrooksproj1**.
- **Course Modifications:** The instructor may find it necessary at times to modify course syllabus, project requirements, evaluation methods, and so forth. Students will be notified of changes in class or on WebCT. *The course syllabus is a general plan for the course; deviations announced to the class by the instructor may be necessary.*
- **No food/drink is allowed in the computer lab at any time!** If you bring food or drink into the lab you will be asked to remove it, if you fail to remove it you will be asked to leave class.
- **Quizzes:** Quizzes will be based on CAD material, lecture and handouts. Quizzes will be given on a regular basis and in most cases will not be announced in advance. Students are encouraged to take thorough notes and read their notes prior to class and keep up with the material. The giving of make up quizzes to be determined on an as needed basis by the instructor and is at the discretion of the instructor.
- **Students with disabilities:** students with disabilities must notify the instructor within the first week of class.

Grading Criteria:

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| • Quizzes | 30% |
| • Exercises and Assignments | 30% |
| • Final Project | <u>40%</u> |
| • Total | 100% |

Grading Scale

93% - 96%	= A	77% - 79%	= C+
90% - 92%	= A-	73% - 76%	= C
87% - 89%	= B+	70% - 72%	= C-
83% - 86%	= B	60% - 69%	= D
80% - 82%	= B-	00% - 59%	= F

TENTATIVE COURSE SCHEDULE

(Course Schedule Subject to Change, Quiz dates subject to change, at discretion of the Instructor)

<u>DATE</u>	<u>TOPIC</u>	<u>COMMENTS</u>
Week #1		
8/19/09	Introductions, Syllabus, Intro. to Computer Aided Design	
	Pattern Input Overview	
Week #2		
8/26/09	Pattern Introduction & Creation, Digitizing	
Week #3		
9/2/09	Digitizing, Pattern Design System (PDS) Functionality	
Week #4		
9/9/09	Digitizing, Pattern Grading, PDS Functionality	
Week #5		
9/16/09	PDS Functionality, Pattern Alterations	
Week #6		
9/23/09	PDS Functionality, Garment Composition	Quiz
Week #7		
9/30/09	Garment Composition, Style Creation	
Week #8		
10/7/09	Marker Making, Plotting / Cutting Parameters, Midterm	
Week #9		
10/14/09	Marker Making, Plotting / Cutting Parameters	
Week #10		
10/21/09	Marker Making, Pattern Engineering	Quiz
Week #11		
10/28/09	Costing, Intro. to 3D, Modulate and Runway software	
Week #12		
11/4/09	Possibly a Manufacturing Field Trip	
Week #13		
11/11/09	Product Data Management, Style Spec.'s – Final Project	
Week #14		
11/18/09	Final Project – Total CAD	Quiz
Week #15		
11/25/09	No Class – Thanksgiving Break	
Week #16		
12/2/09	Final Project – Total CAD	
Week #17		
12/10/09 Th	12:00 – 3:00 Final Project Due	