



Department of Consumer, Apparel & Retail Studies

CRS 211 - Textile Science: Fiber to Finish (Online Course)
Spring 2023 (3 Credit Hours)

COURSE INFORMATION

Instructor Information:

Instructor: Anne Mitchell Wood
Office: Stone 353
Office Hours: Tuesday/Thursday 9:30-11:00 am by Zoom appointment
E-mail: acmitch2@uncg.edu
Telephone: 336-256-0272

Course Description:

This WEB-based course (see Course Structure section below for details) will provide an understanding of the principles of textile science, with an emphasis on fiber classification, physical structure, and properties. The course will involve analyses of yarn and fabric structures and properties, along with fundamentals of coloration and finishing.

Syllabus Amendments:

The instructor reserves the right to amend this syllabus as needed. Students will be notified in written form (either by email, Canvas, or both) should such amendments occur.

Required Class Materials:

- TEXTBOOK: Kadohph, S.J. (2017, 12th Edition). *Textiles*. New Jersey: Prentice Hall.
- THE TEXTILE KIT by Atex Inc (Eco+ Edition 2020, Natural color Binder)
 - Once you have purchased the kit, you will need to register your kit and closely follow the included directions to assemble it. Instructions and Virtual Lab Assistant come with the new kit and it is extremely important that you follow the instructions word-for-word so that you do not get the fabrics out of order!
 - *Video clip of a step-by-step kit assembly process is available on Canvas or here: https://www.youtube.com/watch?v=_TZ3fPYSKHI&feature=youtu.be

(Exams will be created from the Video based PowerPoint lectures, textbook, assignments, short quizzes and 2 projects. The textile kit by Atex, Inc will provide you with opportunities to feel and

touch real fibers and fabrics, which are critical in this class. In the relevant lectures, the swatch # in the kit will be marked in the PowerPoint so that you can find those that match what we learn.)

Course Objectives:

- Understand the generic classification system for textile fibers and its relation to fiber chemical properties
- Recognize and use appropriate textile terminology
- Evaluate the laws and labeling requirements impacting textile product distribution
- Relate the physical structure of fibers to their performance and care
- Predict fabric performance of textile products for specified target market expectations based on knowledge of fiber and yarn structures and characteristics
- Understand the use of finishes and color as they relate to fabric performance

TECH REQUIREMENTS

Internet Connection

It is assumed that all students will be able to access course materials via the Internet at basic DSL or cable modem speeds. Internet access over dial-up and satellite connections may create problems for the student. Persons who will be using dial-up and satellite connections should contact the program to discuss possible issues.

Microsoft Office Documents

All students will be expected to be able to create, open, and use Microsoft Office compatible documents such as Word documents, Excel spreadsheets, and PowerPoint presentations. No matter whether you use a PC or Mac, you must be able to open Microsoft Office documents. The PowerPoint presentations will be narrated with embedded quizzes, and you are required to listen to the narration each week and take the embedded quiz.

Web Browser

Make sure your browser is compatible with Canvas (and review class materials) in advance of the start of class. Canvas supports most modern, up-to-date browsers (i.e., the latest versions of Chrome, Firefox, Safari and Internet Explorer). For full information about what browsers Canvas supports, visit their website: <http://guides.instructure.com/m/4214/1/41056-which-browsers-does-canvas-support>.

Other Software

All students should be able to open Flash video clips and Acrobat PDF files. The Flash Player and Acrobat Reader programs which can meet this requirement are available free of charge from the Adobe. These free applications are available at: <http://get.adobe.com/flashplayer/> and <http://get.adobe.com/reader/>

UNCG Computer Accounts

All enrolled UNCG students are assigned free UNCG computer accounts that are used to access various campus services. Online students will be expected to use these accounts to access various campus services that are needed for online courses.

Available help desk regarding tech issues

UNCG 6-TECH Online <http://its.uncg.edu/Services> or call 336.256.TECH (8324)

EXPECTATIONS

Student Responsibility:

Each student in CRS 211 is responsible for reading the syllabus and becoming familiar with the policies and schedule outlined within, including assignment guidelines and assigned readings. Students are also expected to comply with the UNCG Honor Policy; read the course outline and requirements in full; contribute to class activities; turn all assignments, quizzes, and exams in on time; and most importantly, complete all assigned tasks and exams independently. If it is found that you have been working with other students on exams, this will be considered a violation of the Honor Policy and appropriate action will be taken. If a student has turned in no assignments by the six-week progress point, he or she will be dropped from the course.

Academic Integrity:

The UNCG Academic Integrity Policy states; "If knowledge is to be gained and properly evaluated, it must be pursued under conditions free from dishonesty. Deceit and misrepresentations are incompatible with the fundamental activity of this academic institution and shall not be tolerated." By choosing to enroll in this course and by completing the assignments, projects, examinations, etc., you are by default held to the standards of the Academic Integrity Policy, and you are subject to sanctions should you violate the policy in any manner.

CARS Department Statement on Student Conduct and Complaint Behavior:

The Department of Consumer, Apparel, and Retail Studies (CARS) expects that all students enrolled in the CARS major will behave professionally and in a manner that reflects positively on the department, the school, and the university. This expectation applies to conduct within CARS courses, when working at internship sites, and attending events where students are acting as representatives of the CARS program. Complaints pertaining to a specific course must first be brought up with the instructor. Per the UNCG University Catalog, if a student wishes to appeal an assigned grade, the student should first discuss the concerns with the instructor. If desired, the student may further appeal to the department head, the dean of the school or college, and the provost, in that order. See the University Catalog for further details on Grade Appeals.

Late Assignments, Quizzes, and Make-Up Exams:

Students should allow for sufficient time to complete all assignments. *No make-up exams or late assignments will be accepted*, with the exception of a personal medical emergency or immediate family member death. In either event, written documentation is required (which will be verified) before a make-up test will be administered, or an assignment is accepted and must be completed

within 48 hours of assignment due date. **Technological problems are in no way considered excusable reasons for incomplete work.** Check your tech settings in advance of enrolling in this class.

Accommodations:

UNCG seeks to comply fully with the Americans with Disabilities Act (ADA). Students requesting accommodations based on a disability must be registered with the Office of Disability Services in 215 Elliott University Center, 334-5440, <http://ods.dept.uncg.edu/>, ods@uncg.edu.

EVALUATION

Assignment Points:

Weekly activities (11 @ 20 points/each)	220
Projects (1 @ 50 pts/1@ 100 pts) + Textile Kit completion (100 pts)	250
Weekly short quizzes (12x20)	240
Midterm and Final Exams (2x120)	240
TOTAL	950

Grading:

		C	73% – 76%
A	93% – 100%	C-	70% – 72%
A-	90% – 92%	D+	67% – 69%
B+	87% – 89%	D	63% – 66%
B	83% – 86%	D-	60% – 62%
B-	80% – 82%	F	Below 60%
C+	77% – 79%		

*As the semester progresses, opportunities MAY arise for extra credit, but are not guaranteed.

***Mid-term/Final Exam dates:* See tentative course schedule. The specific time and guidelines of exams will be announced before each exam.

COURSE STRUCTURE

1. Weekly PowerPoint Lecture Video with Embedded Quiz

Each week 1 or more chapters will be assigned (see Course Schedule attached). On Friday afternoon prior to each week, except for Exam weeks or School Breaks (see Course Schedule), a narrated PowerPoint lecture will become available on Canvas. Please use the MODULES to make everything

easy to follow. Students should read the chapter first, and then listen and watch the PowerPoint video (it is Close Captioned should anyone need it) and answer the 5 questions in the embedded quiz. You will receive an email announcement on Canvas on Monday reminding you of the availability of the lecture, along with any additional information on projects, assignments, exams, etc. Because this is an online course, it is very important for you to pay attention to these Canvas announcements and be responsible for anything due for the week. The class schedule is subject to change, so it is your responsibility to check all emails and the announcements on Canvas regularly.

2. Weekly Activities

There are eleven (11) graded weekly activities throughout the semester. Each activity is worth twenty (20) points. The weeks that include these activities are marked on the syllabus, and instruction for those activities can be found on the last slide(s) of the PowerPoint lectures and with a link in each weekly module. All weekly activities open the Friday prior and are due on Sunday at 11:59 p.m. of the week they are assigned, giving you nine (9) days to complete each weekly activity. These activities are graded only on a meets or exceeds expectations (20=A)/average effort (15=C+)/incomplete basis (0), such that you can only receive either a full twenty (20) points for meeting or exceeding expectations, (15) for average effort and zero (0) for incomplete. See Rubric for specifics. ***Absolutely NO late work will be accepted or partial points given*** (i.e., do NOT wait until the last minute to turn in these assignments, as technical issues will not serve as excuses for late work).

3. Projects

There are two (2) projects throughout the semester (one before the mid-term and the other after the mid-term). The first project is worth 50 points, and the second worth 100 points. See instructions for each project as they are uploaded, and make sure to check the deadlines! ***Late projects will NOT be accepted.*** It is the student's responsibility to edit and proofread all work before turning it in.

4. Exams

There are two (2) exams: one mid-term exam and one final exam. Exams will be taken online through the Canvas function, so please double-check your tech facilities in advance. The exam questions will be based on the contents from the weekly quizzes, textbook, lectures, assignments, and projects. The final exam does not encompass the material/chapters covered on the mid-term. Details about exam questions, grading, etc. will be given closer to the exam weeks. Check the exam weeks in the tentative course schedule. Note: ***make-up exams will NOT be permitted.***

5. Textile Kit Assembly

You are required to assemble the textile kit and upload a video of you with your completed kit for a grade of up to one hundred (100) points at the beginning of the semester. See instructions on assignments in Canvas for specific pages.

NOTE FROM THE INSTRUCTOR:

If you have any questions or concerns, please feel free to email me to set up an appointment or make a Zoom appointment or in person appointment for textile kit issues. Again, Canvas is the primary communication channel for this online class, so please do not ignore or delete any correspondence from me. Welcome to CRS 211! Let's have a fun and productive semester!

Required UNCG Syllabus Language for Spring 2023

As we return for Spring 2023, all students, faculty, and staff and all visitors to campus are required to uphold UNCG's culture of care by actively engaging in behaviors that limit the spread of COVID-19. While face-coverings are optional in most areas on campus, individuals are encouraged to wear masks. All individuals and visitors to campus are asked to follow the following actions:

- Engaging in proper hand-washing hygiene.
- Self-monitoring for symptoms of COVID-19.
- Staying home when ill.
- Complying with directions from health care providers or public health officials to quarantine or isolate if ill or exposed to someone who is ill.
- Completing a self-report when experiencing COVID-19 symptoms, testing positive for COVID-19, or being identified as a close contact of someone who has tested positive.
- Staying informed about the University's policies and announcements via the COVID-19 website.

Students who are ill, quarantining, or isolating should not attend in-person class meetings but should instead contact their instructor(s) so alternative arrangements for learning and the submission of assignments can be made where possible.

As we continue to manage COVID-19 on our campus, we are following the lead of the local health department and we will adjust our plans to balance student success, instructional requirements, and the hallmarks of the collegiate experience with the safety and wellbeing of our campus community.

COURSE SCHEDULE

Week	Topic	Reading & Quiz	Assignment	Important dates
1 (1/8-1/13)	<ul style="list-style-type: none"> Course overview Introduction to textiles and product development 	<ul style="list-style-type: none"> Chapters 1 & 2 Quiz 1 	<ul style="list-style-type: none"> Assemble the textile kit Weekly activity #1 due Sunday 1/15 at 11:59 p.m. 	
2 (1/16-1/20)	<ul style="list-style-type: none"> Textile fibers and their properties 	<ul style="list-style-type: none"> Chapter 3 Quiz 2 	<ul style="list-style-type: none"> Weekly activity #2 due Sunday 1/22 at 11:59 p.m. Assemble the textile kit 	
3 (1/23-1/27)	<ul style="list-style-type: none"> Natural cellulosic fibers 	<ul style="list-style-type: none"> Chapter 4 Quiz 3 	<ul style="list-style-type: none"> Textile Kit due Sunday 1/29 at 11:59 p.m. 	Textile Kit due 1/29 by 11:59pm
4 (1/30-2/3)	<ul style="list-style-type: none"> Natural protein fibers 	<ul style="list-style-type: none"> Chapter 5 Quiz 4 	<ul style="list-style-type: none"> Weekly activity #3 due Sunday 2/5 at 11:59 p.m. 	
5 (2/6-2/10)	<ul style="list-style-type: none"> Fiber manufacturing process Manufactured regenerated Fibers 	<ul style="list-style-type: none"> Chapter 6 & 7 Quiz 5 	<ul style="list-style-type: none"> Weekly activity #4 due Sunday 2/12 at 11:59 p.m. 	
6 (2/13-2/17)	<ul style="list-style-type: none"> Synthetic fibers 	<ul style="list-style-type: none"> Chapter 8 Quiz 6 	<ul style="list-style-type: none"> Weekly activity #5 due Sunday 2/19 at 11:59 p.m. 	
7 (2/20-2/24)	<ul style="list-style-type: none"> Special use fibers Midterm review 	<ul style="list-style-type: none"> Chapter 9 Quiz 7 	<ul style="list-style-type: none"> Weekly activity #6 due Sunday 2/26 at 11:59 p.m. 	Project 1 Due (Sun, 2/26 @ 11:59pm)
8 (2/27-3/3)	Midterm Exam (Online) 2/27 8:00 a.m.-3/5 11:59 p.m.			
9 (3/6-3/10)	No Assignments-Enjoy Spring Break!			
10 (3/13-3/17)	Yarn Processing and Classification	<ul style="list-style-type: none"> Chapters 10 & 11 Quiz 10 	<ul style="list-style-type: none"> Weekly activity #7 due Sunday 3/19 at 11:59pm 	
11 (3/20-3/24)	<ul style="list-style-type: none"> Weaving, basic, and fancy weaves 	<ul style="list-style-type: none"> Chapters 12 & 13 Quiz 11 	<ul style="list-style-type: none"> Weekly activity #8 due Sunday 3/26 at 11:59pm 	
12 (3/27-3/31)	<ul style="list-style-type: none"> Knitting and knit fabrics Other fabrication methods 	<ul style="list-style-type: none"> Chapters 14 & 15 Quiz 12 	<ul style="list-style-type: none"> Weekly activity #9 due Sunday 4/2 at 11:59 p.m. 	
13 (4/3-4/7)	<ul style="list-style-type: none"> Finishing 	<ul style="list-style-type: none"> Chapters 16, 17, & 18 Quiz 13 	<ul style="list-style-type: none"> Weekly activity #10 due Sunday 4/9 at 11:59pm 	
14 (4/10-4/14)	<ul style="list-style-type: none"> Dyeing and printing Extra Credit Quiz (optional) 	<ul style="list-style-type: none"> Chapter 19 Quiz 14 	<ul style="list-style-type: none"> Weekly activity #11 due Sunday 4/16 at 11:59pm 	
15/16(4/17-4/28)	<ul style="list-style-type: none"> Final review 		Note that Project 2 is due on Wed April 26th!	Project 2 Due (Wed, 4/26 @ 11:59 p.m.)
16/17(4/28-5/5)	Final Exam (Online) Friday 4/28 at 8:00 a.m. – Tuesday, 5/2 at 11:59 p.m.			

***Course schedule is subject to change**