



AMD 231: Product Development & Manufacturing

Semester: Spring 2022

Instructor

Dr. Arienne McCracken, Assistant Teaching Professor
(Please call me Dr. McCracken or Professor McCracken - thanks!)

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Office Hours: I am happy to meet with you. Office hours are by appointment so they can fit into your schedule – please talk to or email me to set up a time.

Course Days, Times, Locations

Each student attends 2 lectures and 1 lab per week.

<u>Lecture</u>	<u>Labs</u>
2088 LeBaron	1059 LeBaron
All Sections: Tuesdays and Thursdays, 8-9:15 am	Section 1: Fridays, 1:10-3 pm Section 2: Wednesdays, 9:55-11:45 am Section 3: Fridays, 7:45-9:35 am

Mode of Course Delivery

Face-to-face (in-person)

Course Description

ISU Catalog Description

AMD 231 Product Development and Manufacturing (3 hours lecture and 2 hours lab) Cr. 4. F.S. Analysis of apparel product development, sourcing, and manufacturing processes. Focus on materials and specifications relative to quality, performance, cost, and price. Applications of software for PLM.

What is Product Development?

Product development is a strategic process of forecasting, planning, prototyping, evaluating, and sourcing products for a specific target market. We will investigate this aspect of the fashion and apparel industry through a more in-depth analysis of the steps of apparel product development and its manufacturing processes. We will also focus on materials and specifications relative to quality, performance, cost, and price.

Preparation for the "Real World" of the Apparel Industry

This class is designed to help prepare you for **knowledgeable professional interaction** within the apparel industry.

How to Use Canvas

In Canvas, there is one **module for each week of class**. Each module contains information and links about videos, readings, slides, lab and lecture assignments, and quizzes. Work through the course by using the modules to know what we are learning that week and **what you will need to do**.

Subject to Change

This syllabus is subject to change! Any changes will be communicated on Canvas.

Prerequisite

AMD 204. The content of this course builds on previous classes. You will be expected to use and incorporate information taught in AMD 204. Test questions and projects may relate to the content of AMD 204 as well as AMD 231. It is expected that information from AMD 204 and AMD 231 will be incorporated and used correctly in work throughout the semester and the team project.

Course Fee

The course fee (\$30) covers lab materials and garments purchased to illustrate principles in lectures and labs, as well as a portion of the PLM software costs.

Course Outcomes

The overarching goals of this course are to:

1. Introduce the concepts of **apparel product development** and manufacturing.
2. Describe how the **apparel industry** is organized.
3. Prepare students for **professional interaction** within the industry.

Based upon CHS Learning Outcomes, all graduates from the AESHM Department should be able to demonstrate the General Department Learning Outcomes: 1) Communication, 2) Self-assessment/self-reflection, 3) Critical Thinking, and 4) Ethics, Diversity and Social Responsibility.

Based upon these learning outcomes, this course will contribute to your ability to:

Communicate

- Collaborate effectively with others in one-on-one, small group, and large group situations.
- Demonstrate effective and professional oral and written communication.
- Prepare and deliver effective presentations (orally and in writing) of technical information for a target population.
- Appropriately utilize PLM industry software to communicate design and production details for apparel manufacturing

Engage in Self-assessment/Self-reflection

- Examine the product development function in apparel businesses to gain an understanding of possible employment opportunities.

Think Critically

- Display knowledge of the apparel industry through examining the organization and structure of the textile/apparel industry.
- Use industry terminology appropriately and correctly analyze various categories of apparel.
- Identify stitch and seam classifications, characteristics, and appropriate uses regarding production costs, product performance and quality as based on ASTM Standard 9263.
- Comprehend the role and requirements of sourcing in a global environment.
- Analyze the functions, characteristics, and applications of fabric, support materials, closures, thread, and trims relative to quality, cost, and performance of apparel.
- Display an understanding of the relationship between product standards and specifications and their use among vendors, manufacturers, contractors, retailers, and consumers.
- Develop specifications for fit, materials, and product assembly.
- Evaluate apparel manufacturing processes relative to product cost, quality, performance, and make product development-related decisions based on logical reasoning.
- Demonstrate an understanding of the relationship among preproduction operations: cut order planning, marker making, spreading, and cutting and factors affecting quality, costs, and productivity.

Engage with Ethics, Diversity, and Social Responsibility

- Examine past/current sustainability and human rights concerns in the textile/apparel industry and evaluate apparel manufacturing processes in reference to these issues.

Required and Recommended Textbooks and Course Materials

Required for the Class

1. **Text:** Glock, R. E., & Kunz, G. I. (2005). *Apparel manufacturing: Sewn product analysis*. Upper Saddle River, NJ: Pearson/Prentice Hall. (4th edition).
2. **Course Packet:** Stitches and Seams Notebook.
3. You will need **scissors** and a **stapler** for the Stitches and Seams project. In addition, a **seam ripper** will also be quite useful. You can get one at many places, such as Joann or Amazon, for example.
4. **MS Office Suite software.** You can get the MS Office Suite for **free** from ITS. The MS Office Suite includes Word, Powerpoint, and Excel, which are the industry standards. You can get it for both PCs and Macs.
5. **WGSN.** Research fashion trends and designers for projects on the fashion forecasting site WGSN. **You will have an assignment using WGSN, and your team may use it for part of the Final Project.**

Recommended for the Class

These are optional. The books listed below were not ordered at the ISU Bookstore. I recommend checking Amazon and other online bookstores for the best price.

1. Bubonia, J. (2011). *Apparel production terms and processes*. Fairchild Books. It can be very helpful for the work we do this semester.
2. The following books are very **useful reference books**. If you have had little or no sewing experience, one of these may be helpful for you. You will not be sewing in the class, but knowledge of sewing concepts is helpful.
 - Reader's Digest. (2010). *New complete guide to sewing: Step-by-step techniques for making clothes and home accessories*. Pleasantville, NY: Reader's Digest Association, Inc.
 - Talbert, B. W. (2010). *The sewing answer book*. North Adams, MA: Storey.
 - Crim, C. H. (2013). *Essential sewing reference tool*. Lafayette, CA: Stash Books.
 - Creative Publishing International. (2014). *First-time sewing: The absolute beginner's guide*. Minneapolis: Creative Publishing International.
3. **Business of Fashion (BOF) website.** You can sign up for a membership at this site for free here: <https://www.businessoffashion.com/memberships/student/details>. Use your @edu address. BOF aggregates news about the fashion industry.
4. **Fashionista** (<https://fashionista.com/>). News and career information.

Course-Specific Policies

This syllabus is a description of the course and a detailed timeline for what will happen in the course. If you have a question about deadlines or what will be happening in an upcoming module, consult the syllabus first (this document or Canvas). If it is still unclear, please contact your instructor.

Attendance

Attendance is required for every class.

- Attendance will be taken at the beginning of class. It is your responsibility to make sure to sign the attendance sheet.
- A student is considered in attendance if they are in class or actively participating.
- Students arriving 10 minutes or later or leaving earlier than 10 minutes before class ends are considered absent for the day.
- There are in-class activities. Only students present in class when the activity is conducted are eligible to receive points for these activities. There will be no make-up opportunities unless student has an excused absence.

Excused absences will be allowed ONLY for the following circumstances:

- 1) student's serious illness (doctor verified)
 - 2) death of a member of the immediate family within the week,
 - 3) trips for participation in intercollegiate athletic events or class trips or job interviews (official letter required)
 - 4) religious holidays (written notification is required prior to the event)
 - 5) subpoena for court appearance (official document required)
- The official proof of the circumstances should be emailed to the instructor prior to the excused absence or within 7 days after the absence has occurred for the absence to be considered excused.
 - If a class is missed, it is your responsibility to obtain the information from your classmates.

You are allowed up to a total of three unexcused absences.

- At the fourth unexcused absence, your final grade will be lowered by 5 points deducted from Professionalism points. Each additional absence beyond the fourth lowers your final grade by another 5 points.

Due Dates and Late Assignment Policy

Due dates for assignments and quizzes are listed in the syllabus (both hardcopy and on Canvas). Do not wait until the last minute to do assignments.

I accept late assignments, with some conditions.

- The assignment grade will be reduced by 10% for every day it was late.
- Assignments will not be accepted after one week beyond the due date.
- Late assignments due to approved extenuating circumstances must be turned in within 1 (one) week of the syllabus due date unless other arrangements have been made with the instructor.

Teamwork

Teamwork is an important part of one's grade and the expectations for this class. Group work mirrors the typical contemporary work environment in the apparel industry. Full participation and cooperation are expected from each team member.

Teams work on a large project. There is some time in class for teams to work together, but team members will also need to meet regularly outside of class – whether in person or via Zoom, group chat, text, emails, Facetime, GroupMe, or other online means – to complete this project.

Team Contract and Peer Evaluations. In order to maintain a collaborative learning space within your team, it is important that you attend meetings, contribute to team work, and respect each other’s viewpoints.

Once teams are established, the members will work together to create a contract. This contract will be the rules or guidelines of the team. Each member of the group should follow these agreed-upon directives in order to facilitate the best team learning experience. If group members do not abide by the team contract, consultation with the instructor will occur. Evaluations for team projects will be based on written feedback from all team members, self-evaluations, and instructor assessment of overall team performance. Failure to complete minimum expected team responsibilities may result in removal from the team project, a failing grade, or reduced points for the project.

Assignments and Grading

AMD 231 Course Requirements	Points Possible
Assignments	131
11 Quizzes	148
2 Lecture Exams	150
Lab Exam	60
Past Experience Information Survey	20
<p>WGSN Mini-Project</p> <p>This forecasting assignment is designed to give you experience with an industry resource – WGSN. You will examine their communications to see how they describe and promote future trends.</p>	50
<p>PLM Mini-Project</p> <p>Lab assignment to become familiar with Backbone PLM, a product lifecycle management tool. PLMs are commonly used with apparel product development.</p>	50
<p>Stitches and Seams Project</p> <p>You will find examples of specific stitch types and seam types and put them into a notebook.</p>	64
<p>Team Project</p> <p>(including team contract, paper, oral presentation, and peer evaluation)</p> <p>As an employee at an apparel wholesaler, you and your team will redesign an old skirt to be more fashionable. You’ll decide upon fabrics and findings, figure out the target market, and create a tech pack and paper, and give a group oral presentation. We will work through this step by step. (You do not actually construct/sew a skirt.)</p>	187
<p>Professionalism</p> <p>Based on attendance and participation. At the fourth unexcused absence, your final grade will be lowered by 5 points deducted from Professionalism points. Each additional absence beyond the fourth lowers your final grade by another 5 points. Lack of participation in team and group work will result in additional point loss.</p>	50

TOTAL POSSIBLE POINTS	910

ISU Grading Scale

A	100%	to	93%
A-	< 93%	to	90%
B+	< 90%	to	87%
B	< 87%	to	83%
B-	< 83%	to	80%
C+	< 80%	to	77%
C	< 77%	to	73%
C-	< 73%	to	70%
D+	< 70%	to	67%
D	< 67%	to	63%
D-	< 63%	to	60%
F	< 60%	to	0%

Grading Policies

A plus/minus grading system is used (see above). To determine how you are doing, divide your total points received by the total points possible to date. The final grade is based on cumulative points from both the lecture and lab.

Posting of Grades

Grades will be posted on Canvas. The instructor will make every effort to keep accurate records. However, it is your responsibility to monitor grade records and keep all materials related to the course. Grade-related claims should be submitted via email to ariennem@iastate.edu.

Any discussion of a grade must be done **WITHIN ONE WEEK** after it has been posted to Canvas.

Quizzes and Exams

Quizzes are taken on Canvas. Quizzes consist of multiple-choice and matching questions and are based on content of the corresponding chapter(s). Quiz deadlines and due dates are indicated on Canvas.

Lecture exams are also taken on Canvas during the time periods noted on the course schedule. There are two lecture exams, which are worth 75 points each.

Lab exam. The lab exam is taken during a lab class. It is worth 60 points.

Communication, Personal Responsibility, and Professionalism

Communication

Ask questions and seek help as needed. Communication is key to a successful class. If any instructions or assignments are not clear, please talk to or email your instructor to clarify. I am happy to speak with you at a time that works with your schedule.

Personal Responsibility

One of the tenets of this course is personal responsibility.

- You play an active role in your education and as a student in this course.
- It is your responsibility:
 - to know all the policies listed in this syllabus
 - to know all assignment deadlines
 - to make sure your assignments are uploaded correctly and completely to Canvas by the deadline. Incomplete and/or blank documents will be treated as late work until they are uploaded correctly and will be penalized accordingly.
 - to complete assigned readings on time

Mutual Respect and Professionalism

It is expected that everyone in the class will treat each other with courtesy and respect. It is the instructor's goal to promote an atmosphere of mutual respect in the course. Please contact the instructor if you have suggestions for improving the class environment. It is preferable if students discuss issues directly with the instructor; however, students may also leave a note in the instructor's mailbox.

Name, Gender Identity, and/or Gender Expression: Class rosters are provided to the instructor with the student's legal name. I will gladly honor your request to address you by an alternate name or gender pronoun. Please advise me of this preference early in the semester so that I may make appropriate changes to my records.

Class Behavior. It is expected that you present yourself in a professional manner in this course at all times, as this is part of your professional development process. This includes paying attention to the instructor and classmates during class lectures, discussion, or a guest lecture—i.e., not doing other coursework or talking while the instructor, a guest speaker, or team of classmates is presenting information to the class.

Laptops, Cell Phones, iPads, and Other Technology. Technology should be used in AMD 231 to enhance your learning of course content. **Bring your laptop to each class period.** A laptop is important for in-class learning activities, especially because most will be submitted to Canvas at the end of class.

Texting during class time is not acceptable, nor is emailing, Facebook, or other social media for personal purposes. Cell phones should be turned off or silenced during all class sessions. Please use your technology respectfully and appropriately during this class.

- Class starts promptly at the time listed in the Schedule of Classes.
- Arriving late to class is disruptive to other students and the instructor. (If you have a legitimate reason for being late, please discuss your situation with the instructor.)
- Students are expected to participate in in-class activities and be prepared to answer questions if called on by the instructor.

Technology and Support

Canvas

- Canvas and email are used to build a communication network between students and the instructor.
- It is your responsibility to **check Canvas and ISU email regularly** (i.e., daily) for content updates and class announcements.
- Follow up with the Solution Center at 515-294-4000 or solution@iastate.edu if you have any Canvas-related problems. If you have a prolonged Canvas problem, please notify the instructor **as soon as possible**.

Submission Formats

- Use either MS Office Suite (Word, Excel, Powerpoint) or Adobe PDF formats to upload assignments to Canvas. If images must be uploaded separately, JPG, GIF, and PNG formats will be accepted. Other formats will **not** be accepted.
- You can get the MS Office Suite for free from ITS. The MS Office Suite includes Word, PowerPoint, and Excel, which are the industry standards. You can get it for both PCs and Macs. It is required for this class.
 - **Macs** can run Office components (like Word and Excel). Your professor owns a Mac and uses Word and PowerPoint every day.
 - **Chromebooks** can open and edit Office files. See link here for more information: <https://support.google.com/chromebook/answer/2481498?hl=en>

Other Tech Concerns

- In general, contact the Solution Center at 515-294-4000 or solution@iastate.edu if you have any computer or Canvas-related problems.
- If a technical issue occurs while taking a quiz on Canvas such as an internet connection is lost or Canvas goes offline, please document the date and time this occurred and email instructor **the date, time, and approximately how many questions were completed before losing connection**.
- Individual laptop issues will not be excused. Smartphone or tablet uploads are at your discretion; failure to upload on these devices will not be accepted as a valid excuse.

Student Wellness and Health

There are many campus resources that can help with a wide variety of situations or issues. Please reach out - people can and want to help.

ISU's COVID-19 Response Page

- <https://web.iastate.edu/safety/updates/covid19>

ISU Crisis Text Line

- <https://www.counseling.iastate.edu/in-crisis/>
- Students dealing with heightened feelings of sadness or hopelessness, thoughts of harm or suicide, or increased anxiety may contact the **ISU Crisis Text Line (Text ISU to 741-741)** or call the **ISU Police Department (515) 294-4428 or 911**. Call 24 hours a day, 7 days a week.

Thielen Student Health Center

- <https://health.iastate.edu/> or call (515) 294-5801 (24/7 Medical Advice)

Student Wellness

- <http://studentwellness.iastate.edu> or call (515) 294-1099

Student Counseling Services

- <https://counseling.iastate.edu> or call (515) 294-5056

Recreation Services

- <http://recservices.iastate.edu> or call (515) 294-4980

ISU Student Health and Wellness

- <http://www.cyclonehealth.org>
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Academic Support

Academic Success Center

The Academic Success Center (Dean of Students Office) provides learning opportunities for all students through services that support academic skill development, grade improvement, and engagement with peers, promoting success and self-directed learning. The ASC offers individualized, and group-facilitated experiences connected to a specific course or focus on general skill development. Services include Academic Coaching, Resources and Worksheets, Supplemental Instruction, Tutoring Services, the Workshop Series, and PSYCH 131, an academic skills course. The ASC encourages students to use the supports that can best strengthen their learning.

Learn more on the Academic Success Center website (<http://www.asc.dso.iastate.edu>), call 515-294-6624, or email success@iastate.edu.

Online Learner Support

Receive technical assistance and academic guidance available via Online Learner Support resources (<https://www.celt.iastate.edu/online-learner-support/>).

Writing and Media Center Assistance

The Writing and Media Center (WMC) helps students become effective, more confident communicators. The WMC is a welcoming and inclusive place where friendly communication consultants offer individualized assistance to undergraduate and graduate students, faculty, staff, and community members working on any form of written, oral, visual, or electronic communication. While they can help you identify patterns and trends in your spelling and grammar, they do not provide editing services. In addition to one-on-one consultations (both in-person and online), the Center offers presentations introducing the Center's services, workshops by request, writing retreats, and other programs. They have three locations on campus. Appointments available during open hours. Please go to <https://www.wmc.dso.iastate.edu/> to schedule an appointment.

Department and University Policies

AESHM Policies

AESHM Collegiality Statement

The Department of Apparel, Events, and Hospitality Management is committed to sustaining a collegial, positive, and productive environment for scholarship, learning, institutional service, and outreach for each individual and for the

collective benefit of all. Faculty and professional staff are expected to conduct themselves in a manner that contributes constructively to the department's mission and reputation.

In addition, faculty and professional staff are expected to work to maintain a positive workplace that emphasizes respect for the opinions of others and is free from forms of misconduct, as enumerated in Chapter 7 of the ISU Faculty Handbook - <https://www.provost.iastate.edu/faculty-and-staff-resources/faculty-handbook>

Iowa State University Policies

Free Expression

Iowa State University supports and upholds the First Amendment protection of [freedom of speech](#) and the principle of [academic freedom](#) in order to foster a learning environment where open inquiry and the vigorous debate of a diversity of ideas are encouraged. Students will not be penalized for the content or viewpoints of their speech as long as student expression in a class context is germane to the subject matter of the class and conveyed in an appropriate manner.

COVID-19 Health and Safety Guidance

Face masks encouraged: Because of the continuing COVID-19 pandemic, all students are encouraged—but not required—to wear face masks, consistent with current recommendations from the Centers for Disease Control and Prevention. Further information on the proper use of face masks is available at: <https://www.cdc.gov/coronavirus/2019-ncov/your-health/effective-masks.html>.

Vaccinations encouraged: All students are encouraged to receive a vaccination against COVID-19. Multiple locations are available on campus for free, convenient vaccination. Further information is available at: <https://web.iastate.edu/safety/updates/covid19/vaccinations>.

Vaccinations may also be obtained from health care providers and pharmacies.

Physical distancing encouraged for unvaccinated individuals: Classrooms and other campus spaces are operating at normal capacities, and physical distancing by faculty, staff, students, and visitors to campus is not required. However, unvaccinated individuals are encouraged to continue to physically distance themselves from others when possible.

Principles of Community

This course is operated according to the Iowa State University Principles of Community. <https://www.diversity.iastate.edu/connect/principles>

1. **Respect:** We seek to foster an open-minded understanding among individuals, organizations and groups. We support this understanding through outreach, increasing opportunities for collaboration, formal education programs and strategies for resolving disagreement.
2. **Purpose:** We are encouraged to be engaged in the university community. Thus, we strive to build a genuine community that promotes the advancement of knowledge, cooperation and leadership.
3. **Cooperation:** We recognize that the mission of the university is enhanced when we work together to achieve our goals. Therefore, we value each member of the Iowa State University community for their insights and efforts, collective and individual, to enhance the quality of campus life.
4. **Richness of diversity:** We recognize and cherish the richness of diversity in our university experience. Furthermore, we strive to increase the diversity of ideas, cultures and experiences throughout the university community.
5. **Freedom from discrimination:** We recognize that we must strive to overcome historical and divisive biases in our society. Therefore, we commit ourselves to create and maintain a community in which all students, staff, faculty and administrators can work together in an atmosphere free from discrimination, and to respond appropriately to all acts of discrimination.

6. Honest and respectful expression of ideas: We affirm the right to and the importance of a free exchange of ideas at Iowa State University within the bounds of courtesy, sensitivity and respect. We work together to promote awareness of various ideas through education and constructive strategies to consider and engage in honest disagreements.

Academic Dishonesty

The class will follow Iowa State University's policy on academic dishonesty. Anyone suspected of academic dishonesty will be reported to the Dean of Students Office. <http://www.dso.iastate.edu/ja/academic/misconduct.html>

Disability Accommodation

Iowa State University is committed to assuring that all educational activities are free from discrimination and harassment based on disability status. Students requesting accommodations for a documented disability are required to work directly with staff in Student Accessibility Services (SAS) to establish eligibility and learn about related processes before accommodations will be identified. After eligibility is established, SAS staff will create and issue a Notification Letter for each course listing approved reasonable accommodations. This document will be made available to the student and instructor either electronically or in hard-copy every semester. Students and instructors are encouraged to review contents of the Notification Letters as early in the semester as possible to identify a specific, timely plan to deliver/receive the indicated accommodations. Reasonable accommodations are not retroactive in nature and are not intended to be an unfair advantage. Additional information or assistance is available online at www.sas.dso.iastate.edu, by contacting SAS staff by email at accessibility@iastate.edu, or by calling 515-294-7220. Student Accessibility Services is a unit in the Dean of Students Office located at 1076 Student Services Building. <https://sas.dso.iastate.edu/student/request-forms/applying-for-accommodations>

Special Accommodation Exam

Please see the following information from Student Accessibility Services: <https://sas.dso.iastate.edu/exam-accommodations-center/information-for-students>

Prep Week

This class follows the Iowa State University Prep Week policy. <https://www.provost.iastate.edu/academic-programs/dead-week>

Harassment and Discrimination

Iowa State University strives to maintain our campus as a place of work and study for faculty, staff, and students that is free of all forms of prohibited discrimination and harassment based upon race, ethnicity, sex (including sexual assault), pregnancy, color, religion, national origin, physical or mental disability, age, marital status, sexual orientation, gender identity, genetic information, or status as a U.S. veteran. Any student who has concerns about such behavior should contact his/her instructor, Student Assistance at 515-294-1020 or email dso-sas@iastate.edu, or the Office of Equal Opportunity and Compliance at 515-294-7612.

Religious Accommodation

If an academic or work requirement conflicts with your religious practices and/or observances, you may request reasonable accommodations. Your request must be in writing, and your instructor or supervisor will review the request.

You or your instructor may also seek assistance from the Dean of Students Office or the Office of Equal Opportunity and Compliance.

Classroom or Grade Problems

The Department of Apparel, Events, and Hospitality Management values each student and strives to provide the best educational experience possible.

If you believe a faculty member (in his or her academic capacity) has behaved unfairly or unprofessionally towards you, please direct your concern in the following order:



- If at all possible, resolve the problem with the student and the instructor involved.

- * If the grievance involves sexual or racial harassment and the student prefers not to deal directly with the instructor, the student should discuss the grievance with the instructor's department chair Dr. Eulanda Sanders, or appropriate Associate Chair listed below:

- AESHM Associate Chair for Undergraduate Academic Affairs, Dr. Ellen McKinney, emckinne@iastate.edu

- AESHM Associate Chair and Director of Graduate Education, Dr. Ann-Marie Fiore amfiore@iastate.edu

- CHS Associate Dean for Undergraduate Academic Affairs Dean, Dr. Robert Reason, rreason@iastate.edu

- Associate Dean of the Graduate College, Dr. Carolyn Cutrona, cutrona@iastate.edu

More details are available at <https://catalog.iastate.edu/academics/#academicgrievancesappealstext>

Violence Free University

At ISU, violence, threats or implied threats of violence, and intimidation (verbal or physical acts intended to frighten or coerce) impede the goal of providing a safe environment and will not be tolerated. For more information, refer to <http://www.policy.iastate.edu/policy/violence>

Emergency Response

In an emergency situation, follow emergency response guide at <http://www.ehs.iastate.edu/sites/default/files/uploads/publications/posters/EmergencyPoster.pdf> . For more information, refer to <http://www.policy.iastate.edu/policy/emergencynotification>

Syllabus Change Policy

This syllabus is a guide for the course and is subject to change. Any changes in due dates or content will be posted on Canvas and supersede what is contained in this PDF document. Please check for announcements and updates regularly!

AMD 231 SCHEDULE					
Week	Date	LECTURE (2088 LeBaron)		LAB (1059 LeBaron)	
		Topics	Readings, Quizzes and Submissions	Topics	Lab Activities and Assignments
1	1/18	Introduction to the Course and Orientation to Apparel Manufacturing	<p>Read</p> <ul style="list-style-type: none"> • Chapter 1 in textbook • Week 1 materials on Canvas <p>Assignments</p> <ul style="list-style-type: none"> • Chapter 1 Quiz • Syllabus Quiz • Past Experience Information <p>Survey URL: https://iastate.qualtrics.com/jfe/form/SV_b49Hb4keDdJdc9w</p>	No labs this week	
	1/20	Organization of the Apparel Industry, including Retail and Trade Associations, Apparel Product Categories, Price-Point Classifications			
2	1/25	<p>Trend Forecasting, Standards and Specifications</p> <p>Creative and Technical Design</p> <p>Introduction of Project: Fashion Forecasting with WGSN</p>	<p>Read</p> <ul style="list-style-type: none"> • Chapters 3, 4, 5 & 6 in textbook • Week 2 materials on Canvas <p>Assignments</p> <ul style="list-style-type: none"> • Chapter 3, 4, 5 & 6 Quiz • WGSN project 	<ul style="list-style-type: none"> • Read Chapter 5 in textbook <p>Bill of Materials Lab: Evaluating materials, components, specifications, and standards</p>	

AMD 231 SCHEDULE					
Week	Date	LECTURE (2088 LeBaron)		LAB (1059 LeBaron)	
		Topics	Readings, Quizzes and Submissions	Topics	Lab Activities and Assignments
	1/27	No lecture – You may use the time to work on the WGSN assignment			
3	2/1	Management of Quality and Garment Fit In-Class Activity 1 – Wish. Groups report out at end of class.	Read <ul style="list-style-type: none"> • Chapters 7 & 8 in textbook • Materials on quality in Week 3 on Canvas Assignments <ul style="list-style-type: none"> • Chapters 7 & 8 Quiz 	Grading and Measurement Lab: Taking body measurements, measuring garments, and developing specs	
	2/3	Costing and Profit, Cost/Volume Relationships and Pricing In-Class Activity 2 - Jeans Quality Comparison. Groups report out at end of class.	Read <ul style="list-style-type: none"> • Materials on costing and profit in Week 3 on Canvas 		
4	2/8	Materials Sourcing and Selecting Raw Materials Production Sourcing Intro to Stitches and Seams Notebook In-Class Activity 3 – Sourcing	Read <ul style="list-style-type: none"> • Chapters 9 & 10 in textbook • Week 4 materials on Canvas Assignments <ul style="list-style-type: none"> • Chapters 9 & 10 Quiz 	Sourcing & Costing Lab	
	2/10	No lecture			

AMD 231 SCHEDULE					
Week	Date	LECTURE (2088 LeBaron)		LAB (1059 LeBaron)	
		Topics	Readings, Quizzes and Submissions	Topics	Lab Activities and Assignments
5	2/15	Stitch Classifications In-Class Activity 4 – Stitches	Read <ul style="list-style-type: none"> • Chapter 14 (pp. 427 – 440) in textbook • Materials on stitches in Week 5, Canvas 	Stitches Lab.	
	2/17	Seam Classifications In-Class Activity 5 - Seams	Read <ul style="list-style-type: none"> • Rest of Chapter 14 in textbook • Materials on seams in Week 5, Canvas Assignments <ul style="list-style-type: none"> • Chapter 14 Quiz 		
6	2/22	Work on Stitches and Seams Notebook Project in class	Assignments <ul style="list-style-type: none"> • Stitches and Seams Quiz 	Seams Lab.	
	2/24	Work on Stitches and Seams Notebook Project in class		Form groups for Team Project Team Contract	
7	3/1	Work on Stitches and Seams Notebook Project in class		Intro to Team Project	Work on Parts 1 & 2 of Team Project. Upload to Canvas – 1 per team – for feedback.
	3/3	Work on Stitches and Seams Notebook Project in class		What is a Tech Pack Work on Team Project Parts 1 & 2	

AMD 231 SCHEDULE					
Week	Date	LECTURE (2088 LeBaron)		LAB (1059 LeBaron)	
		Topics	Readings, Quizzes and Submissions	Topics	Lab Activities and Assignments
8	3/8	<i>Stitches and Seams notebooks due at start of class</i> Target Markets Team Project Part 5 Discussion of Lecture Exam 1	Read <ul style="list-style-type: none"> • Week 8 materials on Canvas Assignments <ul style="list-style-type: none"> • Work on Team Project Part 5 (do not need to hand in) 	Team Project Parts 3 & 4	
	3/10	Closures, Support Materials, Trims, Embroidery In-Class Activity: Shoulder Pads and Corsets	Read <ul style="list-style-type: none"> • Chapters 16, 17 & 18 in textbook Assignments <ul style="list-style-type: none"> • Chapters 16, 17 & 18 Quiz 		
9	3/15 & 3/17	Spring Break – no classes			
10	Sun., 3/20	Exam 1 opens Sunday, 3/20 at midnight on Canvas		Trims and Findings Workshop Lab Discussion of Lab Exam <i>Stitches & Seams notebooks handed back</i>	
	3/22	No lecture – you may use the time to take Lecture Exam 1			
	3/24	Labels Current jobs calling for apparel product developers Sign up for team consultations on 3/31	Read <ul style="list-style-type: none"> • Week 10 materials on Canvas • Chapters 2 & 12 in textbook Assignments <ul style="list-style-type: none"> • Chapters 2 & 12 Quiz 		

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		Topics	Readings, Quizzes and Submissions	Topics	Lab Activities and Assignments
11	Sun., 3/27	Lecture Exam 1 due Sunday 3/27 by 11:59 pm on Canvas		Lab Exam	
	3/29	Apparel Engineering, Marker Making, Spreading and Cutting Team Project Parts 6 & 7 in lecture (do not need to hand in)	Read <ul style="list-style-type: none"> • Chapters 11 & 13 in textbook • Week 11 materials on Canvas Assignments <ul style="list-style-type: none"> • Chapters 11 & 13 Quiz • Check-In Assignment 		
	3/31	Check in: Team consultations with instructor instructor to discuss ideas and progress with team project			
12	4/5	Production Processes & Work Study, Ergonomics Finishing Equipment & Technology Packaging Sign up for group final presentation dates/times Team Project Parts 8 & 9	Read <ul style="list-style-type: none"> • Chapter 15 in textbook • Week 12 materials on Canvas Assignments <ul style="list-style-type: none"> • Chapter 15 Quiz 	No lab.	
	4/7	Sustainability Discussion of Lecture Exam 2			
13	Sun., 4/10	Lecture Exam 2 opens Sunday, 4/10 at midnight on Canvas		No lab.	

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		Topics	Readings, Quizzes and Submissions	Topics	Lab Activities and Assignments
	4/12	Soft Home Goods Team Project Parts 9 & 10			
	4/14	No lecture. You may use the time to take Exam 2.			
14	Sun., 4/17	Lecture Exam 2 due Sunday, 4/17 by 11:59 pm		Tentative visit to Textiles & Clothing Museum	
	4/19	Team Project Part 10 and Slides			
	4/21	Work on Team Project in class			
15	4/26	No lecture.	Assignments • Retail Sewing Store Scavenger Hunt (extra credit)	Backbone PLM Lab	
	4/28	No lecture. Finish Tech Pack and slides.			
16	Sun., 5/1	All teams upload these to Canvas by 11:59 pm: • All parts of Tech Pack • Presentation slides Peer evaluations (each person uploads)		No lab	
	5/3	Team Presentations			

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Week	Date	LECTURE (2088 LeBaron)		LAB (1059 LeBaron)	
		Topics	Readings, Quizzes and Submissions	Topics	Lab Activities and Assignments
	5/5	Team Presentations			
Finals Week	5/9-5/12				