

Course Syllabus  
FACS 1120  
Textile Construction  
Fall 2008  
Wednesday/Friday  
10:00-11:50 CRN: 20160

**Instructor:** Dr. Darby T. Sewell

**Office:** 115 Ag Sciences

**Phone:** 229-391-4810

**Email:** dsewell@abac.edu

**Office Hours:** Monday/Wednesday: 3:00–5:00; Tuesday/Thursday: 2:00-5:00; and by appointment

**Course Description:** This course is designed to teach the fundamentals of clothing based on wardrobe planning, purchase and use of fabrics as well as garment construction. Emphasis upon intellectual reasoning, problem-solving, managing, communicating and manual dexterity are used. Emphasis will also be given to construction of home furnishings and accessories.

**Course Objectives:** Upon completion of this course, student will be able to:

1. Identify the parts and skillfully operate a sewing machine.
2. Perform a variety of sewing techniques such as seams, seam finishes, garment techniques, hems, and closures.
3. Select suitable fabrics for garments, home decorating items, and fashion accessories according to sewing patterns and the intended end use of items.
4. Interpret the guide sheet and various instructions and symbols to complete a sewing project.

**Course Materials:** The textbook for the class is *Singer's: The Complete Photo Guide to Sewing: 1100 Full-Color How-To Photos*, Creative Publishing, 2003. You will need to purchase the book and bring it to class on a daily basis. It will be your guidebook throughout the semester. The book is available in the bookstore.

You will also be responsible for purchasing the fabric, thread, and notions for your sewing projects. See attached handout for course materials.

**Attendance:** You are expected to attend all classes. Your attendance is vital to your mastery of the concepts and objectives that will be taught. If you miss class, you will be at a disadvantage in the lab. This is not the type of class that you can afford to get behind.

**Assignments submitted past the deadline will be subject to penalty and may not be accepted.**

**College Attendance Policy:** Courses at Abraham Baldwin Agricultural College are provided for the intellectual growth and development of students. To attain maximum success, students must attend all their classes, be on time, and attend all scheduled course activities including, but not limited to, field trips, seminars, study sessions, individual conferences and lectures. This interaction with instructors and other students is an important element of the learning process, and a high correlation exists between class attendance and grades. A student must understand the importance of regular participation in classroom and laboratory activities. The absence of any student affects not only his or her performance but the performance of the class as a whole. Absence from class, for whatever reason, does not excuse a student from full responsibility for class work or assignments missed. Students must accept this responsibility.

The instructor will keep accurate records and must report the individual number of absences with midterm and final grades. Students whose number of unexcused absences is more than twice the number of class meetings per week (the equivalent of two weeks of instruction) will receive a grade of "F" for the course. Fewer absences than twice the number of class meetings per week may result in grade penalties at the discretion of the instructor. Specific attendance requirements applying to labs, clinics, accelerated classes or Learning Support will be adapted to the unique situation by the appropriate division. Final determination of what constitutes an excused absence rests with

the classroom instructor. In implementing this policy, faculty will not include in a student's unexcused absences those absences incurred due to authorized and approved college sponsored events (or in case of joint- enrollment students' high school sponsored events) in which the student represents the institution as part of a group or under the direct supervision of a faculty or staff member.

Whenever a student is absent, whether for official or personal reasons, the student must assume responsibility and provide notice to the instructor, preferably in advance, for making arrangements for any assignments and class work missed because of the absence.

However, final approval for makeup work remains with the individual instructor. A student who stops attending class without officially withdrawing from the course is subject to this attendance policy and will receive a grade of "F" for the course.

At the beginning of each semester, the instructor will explain clearly to the student specific attendance requirements (including possible penalties). Additionally, she will publish the attendance policy on her syllabus and website.

A student penalized for excessive absences may appeal through the grade appeal process, as stated in ABAC's college catalog and student handbook.

**Make-Up Policy:** Scheduled exams should not be missed. There will be no make up exams unless there is an excused absence involved. The instructor has the discretion to determine if an absence is excused or unexcused. The student should take the responsibility to contact the instructor to make-up the exam. Failure to make-up work missed will result in a ZERO. Make-up exams will be given at the discretion of the instructor. If given, make-up exams may include all short answer and discussion questions. Assignments should be turned in on time. Late assignments are subject to penalty. In-class assignments are calculated into the final course grade. There will be no make-ups for In-class assignments. Therefore, excessive absences will adversely affect the student's course grade.

**Tardiness:** Class begins at the time listed on the schedule. I expect students to be in class and ready to begin at that time. Tardiness is distracting to me and other students. If any student is tardy, it is **his/her responsibility** to tell me **after** class that he/she has indeed attended class. If I am not told at the end of the class period, I will count the student as absent. I count being tardy 3 times as 1 unexcused absence. If you are late, you will be unable to make up quiz or test or points earned from guest speaker evaluations.

**Academic Dishonesty:** Because Abraham Baldwin College has the dual responsibility of educating students and helping them mature into worthy citizens who take their place in the larger community, it has adopted a code for dealing with academic irregularities. Academic irregularities include, but are not limited to, giving or receiving of unauthorized assistance in the preparation of any academic assignment; taking or attempting to take, stealing, or otherwise obtaining in an unauthorized manner any material pertaining to the educational process; selling, giving, lending or otherwise furnishing to any person any questions and/or answers to any examination known to be scheduled at any subsequent date; and plagiarism (taking credit for another author's work without proper citation and recognition) in any form related to themes, essays, term papers, tests and other assignments.

Academic dishonesty includes plagiarizing from the Internet. Due process for academic dishonesty cases will be followed as outlined in the ABAC Catalog. For more a detailed explanation, see the ABAC Catalog on Academic Dishonesty.

Refer to the current ABAC Catalog for all academic policies and procedures: [www.abac.edu/catalog](http://www.abac.edu/catalog).

**Special Accommodations:** Special accommodations will be provided for students with a documented learning and/or physical disability. Documentation should be presented from the Office of Student Development located in J. Lamar Branch Student Center. *Any student in this class who has specific needs because of learning disabilities or any other disability should discuss this with the instructor.*

**Academic and Classroom Behavior Policies:**

- Class will begin on time. Avoid arriving late and leaving early. **It is unprofessional to arrive late to class and get up in the middle of class unless it is an emergency. It is also disruptive to the instructor and other students.**
- You are expected to attend class on a regular basis and participate in all activities and discussion

- If a student is not prepared for class or misses an assignment deadline, the student's grade may be lowered and/or work may not be accepted
- Avoid talking while teacher, classmates or guests speakers are talking or other unprofessional behavior. This is a discussion based class. It is important to be courteous and respectful to other class members. Common courtesy is expected.
- Avoid asking inappropriate or involved questions which have nothing to do with the topic under discussion.
- Avoid studying or reading other material, sleeping and not participating in group discussion or activities that are considered disruptive behavior according to the Board of Regents policy on disruptive behavior. Classroom sessions are not for studying for other classes, doing homework, or conducting other business. Sleeping should be done before, or after, but never during the classroom session.
  - Students who engage in such behavior can be asked to leave class.
- Students must be reasonably dressed in the classroom.
- Avoid using foul or profane language. Profane language is offensive to most people, and is both unprofessional and unacceptable.
- Avoid using tobacco products in class.
- Students should respect all equipment and furniture in the facility.
- **Turn Cell Phones off before class begins. If your cell phone rings in class or a student participates in text messaging during class, all students will have to take a pop quiz immediately.**
- **No eating or drinking in the lab.**
- **Use your breaks between classes to use your cell phone and eat your snacks.**

\*This includes plagiarizing from the Internet.

**You must complete sewing projects in the lab. Students may need to spend additional time outside of the regularly scheduled classes in lab to complete assignments. If there is a need, the instructor will arrange for additional group lab times where she will be present.**

#### **Evaluation:**

- Each student will complete 3 projects. The projects are to be completed in the lab. I expect high-quality presentation and work. Patterns for the projects are located in the lab. Patterns must also be kept in a manner for use by someone else.
- Points will be deducted for projects that are not turned in the designated due date. Points will also be deducted from individual student projects if students do not keep their lab area clean. You must pick up after yourself and the leave the machine ready for someone else to use.
- Quizzes/Daily Grades will be given throughout the semester to ensure student comprehension of course material.
- Students will take a written final exam to evaluate the student's overall comprehension of material learned throughout the semester.

#### **Construction Projects:**

- 1. Sewing Sample Notebook:** You will complete a notebook of sewing samples. The samples are to help you learn different sewing techniques such as seams, seam finishes, garment techniques, hems, and closures before you begin making the other projects. See attached instructions.
- 2. Garment:** Each student will construct a pair of shorts. This assignment will assist students in learning how to read a guide sheet, follow instructions, working with fabric and pattern layout, marking, and measuring and fitting.
- 3. Choose 2<sup>nd</sup> project from selected patterns.** The second project will be chosen by the student and approved by the instructor. Students have a variety of interests (fashion, home accessories, etc). Projects may be selected and aligned with this interest. However, level of difficulty will be considered. When students complete one project, they must select another and continue working in the lab. If students complete assigned projects early, then they may complete other projects during the remainder of the semester and receive extra credit.

#### **Grading System:**

Machine Quiz:	50
Tools, Equipment, & Equipment Measurement Quiz	50
Guide Sheet, Pattern Symbol, Body Measurement & Fabric Quiz	50
Sewing Sample Notebook:	100
Project 1:	100
Project 2:	100
Final Exam:	50
<b>Total:</b>	<b>500</b>

Grade	Points
A	450-500 (90-100%)
B	400-449 (80-89%)
C	350-399 (70-79%)
D	300-349 (60-69%)
F	299 & BELOW (59% & Below)

### Tentative Schedule

*Instructor reserves the right to change the course plan. Students will be notified of any changes.*

Date	Day	Class	Projects Due & Test Dates
August 20	Wednesday	Class Introduction Review Course Syllabus Review Lab Supplies & Notebook Guidelines	
August 22	Friday	Discuss Sewing Machine Parts: Tension, Length, Pressure, etc. Practice Stitching Refer to page 12 (Samples 1, 2, 3)	
August 27	Wednesday	Discuss threading the machine & practice threading; Cut out patterns for samples <i>You must be able to thread your own machine before progressing</i>	Need to have lab supplies purchased & brought to class by this date
August 29	Friday	Sewing Tools & Equipment Read pages 26-33 Begin Lecture on Seams	Quiz over Machine Parts
September 3	Wednesday	Seams & Seam Finishes Samples (4, 5, 6, 7, 8, 9, 10, 11) Read pages 97-107	
September 5	Friday	Samples	
September 10	Wednesday	Samples	Quiz over sewing tools, equipment, & measuring equipment
September 12	Friday	Garment Techniques Samples (12, 13, 14, 15) Read pages 112-115 Discuss Embroidery Machine Sample 24	
September 17	Wednesday	Hems & Closures/ Samples (16, 17, 18, 19, 20, 21, 22, 23) Read 134-144 Samples	
September 19	Friday	Fabric Selection (Read pages 43-68)	Order patterns for

		Guide Sheet, Pattern Symbols, Body Measurements (Read pages 34-42) Samples	project 1
September 24	Wednesday	Samples	
September 26	Friday	Samples	
October 1	Wednesday	Samples	Quiz over Guide Sheet, Pattern Symbols, Body Measurements, & Fabric
October 3	Friday	Samples	
October 8	Wednesday	Go over Pattern layout for Project 1 Samples <b>Midterm deadline for withdrawal w/o academic penalty</b>	Bring material and supplies for Project 1 to class
October 10	Friday	Samples	
October 15	Wednesday	Last class day to complete samples in class	
October 17	Friday	All must begin project 1 <i>Instructor must approve pattern layout before you cut!!!</i>	<b>Sewing Sample Notebook Due at the beginning of class</b>
October 22	Wednesday	Sewing	
October 24	Friday	Sewing	
October 29	Wednesday	Sewing	
October 31	Friday	Sewing	
November 5	Wednesday	Sewing	
November 7	Friday	Sewing	<b>Project 1 Due by 3:00</b>
November 12	Wednesday	Prepare pattern & fabric for project 2 <i>Instructor must approve pattern layout before you cut!!!</i>	
November 14	Friday	Sewing	
November 19	Wednesday	Sewing	
November 21	Friday	Sewing	
November 26	Wednesday	Sewing	
November 28	Friday	Thanksgiving Holiday	
December 3	Wednesday	Sewing	

December 5	Friday	Sewing Last Day of Class	Project 2 Due by 3:00
<b>Final Exam</b> Wednesday, December 10 10:30-12:30			

Revised August 2008

## FACS 1120

### Lab Supplies Needed for Textile Construction Course

- “Start to Sew” Sewing Kit (can purchase at Wal-Mart)
  - or individual items:
    - tracing paper & tracing wheel
    - pin cushion
    - tape measure
    - chalk pencil
    - water erasable pen
    - hem gauge
    - hand sewing needles
    - straight pins
    - shears (7”-8” for cutting fabric) **YOU MUST USE A DIFFERENT PAIR OF SCISSORS TO CUT PAPER**
    - seam ripper
  
- Container to store your supplies, label your container with your name.
  
- 1 1/2 yards of fabric for sewing samples & contrasting thread (ex. black fabric & white thread)
  - no knit
  - no slick material
  - no really thin material
  - buy inexpensive material (look on sale table) preferably broadcloth
  
- One, 7 inch Zipper
  
- Hook and eye
  
- Snap
  
- 2 Buttons
  - 1 button with holes
  - 1 button with a shank
  
- 1 3-ring notebook and cardstock or heavy paper to mount samples.

Once notebook is complete you will need to purchase fabric & supplies for projects. Consult pattern envelope for materials.

## **Creative Clothing Sewing Sample Notebook**

### **Sample Notebook Directions:**

Sewing Samples will be completed during the first half of the semester. Samples will be evaluated based on the following criteria:

1. Samples are to be correctly sewn.
2. Samples are to be correctly numbered, labeled, and mounted with proper sewing sample information from this requirement sheet.
3. A correct and short explanation of directions should be given. Type the word “Directions” and then type simplified directions. Type the word “Uses” and then list typical uses for that type of sample. This information will prove to be a very useful tool when referring to your samples in the future.

You should present your samples in a professional and neat manner. Your notebook should include a cover sheet. On the cover sheet include your name, class, and due date.

### **Helpful Information:**

**Backstitching:** You will need to do this when sewing 2 pieces of fabric together. This is used to secure the ends of a row of stitching.

- A. To backstitch, begin stitching.
- B. After you have made about an inch of stitches, hold down the “Reverse” on the sewing machine and press the foot control.
- C. Stitch backwards to the edge of the fabric
- D. Then stitch forward over the stitches that you have just made.

### **Samples:**

**\*\*Include the practice stitching handouts in your notebook.**

1. **Tension Sample:** Refer to your machine booklet on page 20 for sewing instructions. You will need two pieces of fabric (Pattern A: 4 1/2 in. by 7 in.). Pin the 2 pieces together and stitch lengthwise as follows: Remember to label each (a, b, c,) for your future reference.

- a. With tension balanced
- b. With tension too loose
- c. With tension too tight

Type the following questions and answer them on your description for your sample.

- What happens to the fabric when the tension is too loose?
- What happens to the fabric when the tension is too tight?
- Which direction do you turn the dial to loosen the tension?
- Which direction do you turn the dial to tighten the tension?

2. **Stitch Length Sample:** Refer to your machine booklet on page 21 for sewing instructions. You will need two pieces of fabric (Pattern A). Pin the pieces together and stitch lengthwise as follows: Remember to label each (1, 2, 3, 4) for your future reference.

- a. With stitch length set on 1.
  - b. With stitch length set on 2.
  - c. With stitch length set on 3.
  - d. With stitch length set on 4. Stitch length 4 is also referred to as a basting stitch.
- Type the following questions and answer them on your description for your sample.

- What does the stitch length refer to?
- What is a normal stitch length?

**3. Fancy Stitch:** Two pieces of fabric (Pattern A). Pin the 2 pieces together and select 3 fancy/decorative stitches on your machine to sew on the fabric. Refer to page 37 and 38 in your S-3015 Janome Sewing Machine Handbook. Select a stitch and find the picture of the stitch on page 37 or 38. Look at the machine setting diagram that goes along with your stitch to ensure that you have the machine on the correct settings for your stitch before you begin sewing.

### Seams:

- 4. Plain Seam:** Two pieces of fabric (Pattern A). Follow directions on page 97 of your Singer textbook. Remember: Seams are almost always sewn on the 5/8"! Many sewing machines are based on the metric system. Sew on line 15 if the throat plate is in the metric measurement.
- 5. French Seam:** Two pieces of fabric (Pattern A). Follow directions on page 100 of your Singer textbook.
- 6. Flat-Fell Seam:** Two pieces of fabric (Pattern A). Follow directions on page 101 of your Singer textbook.
- 7. Topstitched Seam:** Two pieces of fabric (Pattern A). Stitch a regular seam. Press both seam allowances to one side. On the outside, stitch, using the presser foot against the seam as a guide (left side of foot as a guide.) This stitch should be ¼ inch from the seam.
- 8. Serged Seam:** Two pieces of fabric (Pattern A). Serge the seam, you cannot pin the pieces together. Refer to “Serging Techniques” Handout for instructions.

### Seam Finishes:

- 9. Stitched and Pinked Finish:** Two pieces of fabric (Pattern A). Follow directions on page 103 of your Singer textbook.
- 10. Turned and Stitched or Clean Finished:** Two pieces of fabric (Pattern A). Follow directions on page 104 of your Singer textbook.
- 11. Zig-Zag Finish:** Two pieces of fabric (Pattern A). Follow directions on page 104 of your Singer textbook.

## Garment Techniques:

**12. Single-Pointed Dart:** One piece of fabric (Pattern B). Follow directions. Further instructions are in your Singer textbook on page 112.

- a. Cut fabric as indicated on the pattern.
- b. To trace, place the carbon side of the tracing paper against the wrong side of the fabric.
- c. Pin together with the pattern on the top.
- d. Place on a hard surface.
- e. Roll the tracing wheel firmly along dart seam lines, using the edge of a ruler as a guide. Be sure to cross all dots.
- f. Remove the pattern and tracing paper.
- g. Fold the right sides of the fabric together along the fold line. Match the dots.
- h. Pin.
- i. Stitch on the seam line from either end of the dart. Remember to backstitch at the large end and tie the threads at the small end of the dart.
- j. Clip threads leaving a ½” tail at the small end so that the knot will not slide apart.
- k. Press the dart on the wrong side over a curved surface, such as a tailor’s ham or pressing mitt.

**13. Facing:** Two pieces of fabric (Patterns C & D). Pattern C is the Facing and Pattern D is the Bodice.

- a. Turn under the edge of the facing (C), pin and press.
- b. Stitch the folded edge (this step is called clean finishing).
- c. Place the clean finished facing right sides together with the Bodice (D)
- d. Pin at “shoulders” & “neck edge” right sides together.
- e. Stitch 5/8 around the curved edge. Remember to backstitch at each end.
- f. Grade one of the seam allowances to ¼”
- g. Clip V-shaped cuts every ½ to 1” inch intervals.
- h. Under stitch by sewing the seam allowance to the facing edge, 1/8” from the facing seam. (This step helps the facing stay turned to the back.)
- i. Press.

**14. Gather:** Two pieces of fabric (Pattern E). Follow directions. Read information on page 114 of your Singer textbook before sewing.

- a. Right sides together, join the shorts ends and stitch them to make a circle. Backstitch and press open.
- b. Put stitch length on the longest stitch, 4.
- c. Begin stitching on the front side of the fabric (start stitching about one inch from the seam just sewn). Stitch on the 5/8” through one layer of the fabric. Stitch until you get to other seam. Do not backstitch. Leave ends of threads (beginning and ending threads) about 4” long. Stitch this same way on the other side (Through one layer).
- d. Put a pin perpendicular to the stitched edge at the beginning and ending of each stitching line.

- e. Pull the threads carefully until they begin to gather, use your finger and thumb to ease the gathers down.
- f. When you have gathered as tight as you would like, wrap the end threads around the pins at the ends to keep the gathers from coming out.
- g. Evenly distribute the gathers.
- h. Stitch with a regular stitch length on top of the gathered line, (through one layer), backstitch where you start and stop.

\*It can be helpful to use a different color bobbin thread to distinguish between threads.

**15. Pocket:** Cut one of pocket pattern (receive from instructor.) Follow instructions on handout "How to Make a Patch Pocket."

### **Hems: Refer to Hemming Handout**

**16. Slipstitch by hand:** One piece of fabric (Pattern A).

- a. Use the edge of the fabric without the notch or cut notch.
- b. Turn the edge to be hemmed under  $\frac{1}{4}$ "
- c. Press and stitch.
- d. Pin and press a 1" edge for hem.
- e. With a hand sewing needle and a single thread with a knot in one end, secure knot in fabric by picking up hem edge.
- f. Catch garment by picking up a few threads and securing them to the hem edge
- g. Repeat every  $\frac{1}{2}$ ".
- h. Secure and tie off by stitching in the same place 2 or 3 times or by looping thread 2 or 3 times.

**17. Blindstitch by hand:** One piece of fabric (Pattern A).

- a. Turn the edge to be hemmed under  $\frac{1}{4}$ ".
- b. Press and stitch.
- c. Pin and press a 1" hem.
- d. Using a single threaded hand sewing needle, slide the needle through the folded edge. You want to hide the thread in the fold.
- e. Catch a small thread in the garment.
- f. Space stitches evenly about  $\frac{1}{4}$  to  $\frac{1}{2}$  apart depending on the type of closure.
- g. Secure threads by tying a knot, stitching in the same spot 2 or 3 times by looping threads 2 or 3 times.

### **Closures:**

**18. Hand Sewn Hook & Eye:** Cut 2 of Pattern A. Receive handout from instructor and follow instructions.

**19. Hand Sewn Snap:** Cut 2 of Pattern A. Receive handout from instructor and follow instructions.

**20. Hand Sewn Button:** Cut one of Pattern A.

- a. Fold fabric in half.
- b. Use a hand sewing needle.
- c. Double your thread and knot it together.
- d. Sew through all the holes in the button one time.
- e. Place a pin under the thread, on top of the button.
- f. Continue sewing over pin and in each hole of the button about 5 or 6 times.
- g. End up on the back of the fabric.
- h. Sew through the fabric 2 or 3 times in one spot to secure the button.
- i. Remove the pin.

**21. Button with a Shank:** Cut one of Pattern A.

- a. Fold fabric in half.
- b. Use a hand sewing needle.
- c. Double your thread and knot it together.
- d. Pull thread through fabric one time.
- e. Put needle through shank.
- f. Sew down through the right side of the fabric.
- g. Come back up and sew over shank.
- h. Make several stitches over the shank and through the fabric.
- i. Secure on the wrong side of the fabric.

**22. Machine Worked Buttonhole:** Cut one of Pattern A, fold in half. Mark the spot for your buttonhole with chalk, fabric marker, or pins. Make a buttonhole, using the instructions in your machine manual on page 27.

**23. Lapped Zipper:** Two pieces of fabric (Pattern E) and a 7 inch zipper. Follow directions in your textbook on page 146. Refer to your machine booklet, page 11, on how to change your foot to the zipper foot, E.

**Specialties:**

**24. Embroidery Sample:** Choose a small design (ex. "ABAC") to embroider using the computerized sewing machine.

- a. Prepare fabric by backing with stabilizer.
- b. Hoop area to be embroidered.
- c. Check thread and bobbin for correct color and type. Always use the embroidery bobbin thread when doing embroidery. The embroidery bobbin thread is white.
- d. Place prepared hoop on the machine, securing it. Make sure the design will look straight.
- e. Program machine to sew out your design.
- f. Remove hoop from machine, clipping bobbin and needle threads.
- g. Remove stabilizer from back of fabric.
- h. Press.