



WOLLO UNIVERSITY
Kombolcha Institute of Technology
Department of Garment Engineering
Course guidebook



Course Title: Garment Construction I		Course Manager: TEMESGEN ASMARE	
Course Code: GrEg3151		Office location: Textile lab building G+1, 201	
Pre-requisites: Greg2121: Sewing Technology			
Status of Course: Compulsory			
Credits: 5		Consultation Hours: Monday and Tuesday 2:30-5:00 local time	
Target Group: 2 nd Year Garment Engineering Students		Mobile: +251922267314	
Degree Program : B.SC. in garment engineering		Email: temesgenasmar@gmail.com	
Lecture days &Hours			
Section	Lecture: 15 hr	Practice or Laboratory: 90 hr	Home Study: 45 hr
Lecture Room: 1305		Laboratory Room: Gar Lab 2	

A. Course Description

In this course the garment engineers are supposed to fabricate various garments as per measurements and go for mass production for all ages and size. Hence this course has been included in the curriculum to develop students' skill to make different types of garments and to create aesthetic effects and details to the garment. The students will carry out the product development stages from pattern making to finishing.

Clothing construction refers to the stitching of garments and all the sewing techniques involved in this process. Construction techniques involve stitching darts, pockets, seams, tucks, pleats, zippers, collars, etc., all of which are covered in this course.

B. Objectives of the course

The objectives of the course are:

- ❖ To acquire the skills of stitching gathers & pleats
- ❖ To acquire the skills of attaching buttons and making buttonholes
- ❖ To acquire the skills of making different plackets (Front placket and Sleeve slit placket)
- ❖ To acquire the skills of stitching types of Zippers.
- ❖ To acquire the skills of stitching types of Cuffs
- ❖ To acquire the skills of stitching various types of collars.
- ❖ To acquire the skills of stitching various types of sleeves.
- ❖ To acquire the skills of stitching various types of skirts.
- ❖ To develop the skills of stitching a whole garment with acquired knowledge.

C. Tentative schedule of lecture and practical class (lab) Topics, Activities and Assignments, and Readings

Weeks	Lecture session	Assessments	Reference
1&2	CHAPTER-1 practice on sewing of fullness 1. Practice on Pleats 1.1. Practice on knife pleat 1.2. Practice on box pleat 1.3. Practice on inverted pleat 2. Practice on Tucks 3. Practice on Gathers	Individual practical assignment on construction of pleat, tuck and gather (5%)	▶ A guide to fashion sewing from page 118 - 126
3&4	CHAPTER-2 Practice on sewing of fasteners 2.1 Practice on Zippers 2.1.1 Practice on Centre zipper 2.1.2 Practice on Lapped zipper 2.1.3 Practice on Invisible zipper 2.2 Practice on button 2.2.1 Practice on buttons attachment 2.2.2 Making different Buttonholes 2.2.3 Button Hole placement /Vertical, horizontal and Diagonal/	Individual practical Assignment on construction of zipper and button (5%)	▶ A guide to fashion sewing from page 156- 170

5&6	<p>CHAPTER-3 Practice on sewing of small garment component</p> <p>3.1 Practice on Collars</p> <p>3.1.1. shirt collar</p> <p>3.1.2. Mandarin collar</p> <p>3.1.3. Lapel collar</p> <p>3.1.4. Collar bands</p> <p>3.2 Practice on pocket</p> <p>3.2.1 Patch pocket</p> <p>3.2.2 Welt pocket</p>	Individual practical assignment on construction of collar and pocket (5%)	<p>► Julie cole Sharon czachor:</p> <p>Professional sewing technique for designer</p>
7	<p>Chapter-4 practice on sewing of dart</p> <p>4.1. shaped tapered dart</p> <p>4.2. cut-away dart</p> <p>4.3. fisheye dart</p>	Individual practical assignment on construction of dart (5%)	<p>► Claire shaeffer, sewing for the apparel production</p>
► Mid-term exam			
9&10	<p>CHAPTER-4 Practice on sewing of some small garment component</p> <p>4.1. Practice on Plackets</p> <p>4.1.1. practice on Sleeve Placket</p> <p>4.1.2.practice on Front Placket</p> <p>4.2. Practice on Cuffs</p> <p>4.2.1. practice on straight(square) cuff</p>	Individual practical assignment on construction of placket, cuff and sleeve (10%)	<p>► Julie cole Sharon czachor:</p> <p>Professional sewing technique for designer</p>

	<p>4.2.2. practice on round cuff</p> <p>4.3. Practice on Sleeves</p> <p>4.3.1. practice on raglan sleeve</p> <p>4.3.2. practice on open sleeve</p> <p>4.3.3. practice on slit sleeves</p>		
11,12&13	<p>CHAPTER -5 Practice on Construction of full garments</p> <p>5.1. practice on construction of skirt</p> <p>5.1.1. practice on placing zipper on skirt</p> <p>5.1.2. practice on the back and front of skirt</p> <p>5.1.3. practice on joining the waist band of skirt and hemming of skirt</p> <p>5.2. practice on construction of shirt</p> <p>5.2.1. practice on how to prepare small component of shirt</p> <p>5.2.2. practice on assemble the component of shirt</p> <p>5.2.3. practice on how to finish the shirt</p>	<ul style="list-style-type: none"> ➤ Individual assignment on applying all the small component to a full garment of skirt and shirt (10%). ➤ Written examination (20%) including from the lecture and practical part. 	<ul style="list-style-type: none"> ▶ Connie amaden-crawford: A guide to fashion sewing
14&15	Project presentation and defense	<p>Project work: construction of formal men shirt (40%)</p> <ul style="list-style-type: none"> ➤ Defense =15% and ➤ Developing a Tech pack for the particular design ➤ Estimation of Fabric 	

		Consumption ➤ Break down of garment Construction =25%	
Final examination			

D. Teaching Methods

Lectures and practical exercises supported by assignments; special emphasis on hands-on experience in the relevant to garment construction student activity in every day activity is mandatory, since more of the credit hour for this course is assigned for the practical part (90 hour) so the student are expected to have active participation in the class in terms of asking question, delivering the assigned activity on time etc.

E. Assessment Methods

The Lecture and practical parts of the course will together be evaluated for 100 % and the final marks will be arrived and. The details are given below :

Continuous Assessment Method	Weight
Practical assignment(8 assignment , 5 marks for each)	40%
Written examination	20%
Project with Demonstration/ Defense	40%
Total	100%

F. Course Policy

All students are expected to abide by the code of conduct of students throughout this course. Academic dishonesty, including cheating, fabrication, and plagiarism will not be tolerated and will attract disqualification of marks or values. It is expected from students to do all the assignments and activities they are supposed to accomplish. Students are required to submit and present the assignments provided according to the time table indicated. Teachers give directions and instruction about assignments and other responsibilities of students. The mode of delivery shall encourage active participation of students. Minimum of 100 % attendance during lecture hours; and 100 % attendance during Practical/Laboratory sessions, except for some unprecedented mishaps (wherever applicable) Class activities will vary day to day, ranging from lectures to discussions. Students are appreciated to ask any question at any moment in class and during consultation periods. You are expected to attend class regularly, any punishments or disqualifications due to the absenteeism will be on your responsibility.

G. References

- ▶ Mary Mathews (1985) Practical Clothing construction – Part I & II Papripack, Chennai.
- ▶ Labanya Mazumdar & Vatsala. R (2004) Text Book of fundamentals of Clothing Construction, ICAR New Delhi.
- ▶ A guide to fashion sewing 4th edition Fairchild Publications, Inc. New York
- ▶ Claire shaeffer sewing for the apparel production
- ▶ Julie cole Sharon czachor professional sewing technique for designer

H. Approved by

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Course Manager

Signature

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