



Daffodil Polytechnic Institute, Institute Code: 50238

Subject Teacher : Rifah Nanziba
Subject Name : Apparel Manufacturing-II
Subject Code : 21451
Technology : Textile Technology
Semester : 5th Textile & Apparel
Reference Book : Apparel Manufacturing-II (Publisher: Prime Publication)

<i>Marks</i>	<i>Grade Point</i>	<i>Letter Grade</i>	<i>Marks</i>	<i>Grade Point</i>	<i>Letter Grade</i>
80>	4.00	A+	55-59	2.75	B-
75-79	3.75	A	50-54	2.50	C+
70-74	3.50	A-	45-49	2.25	C
65-69	3.25	B+	40-44	2.00	D
60-64	3.00	B	0-39	0.00	F

Time Distribution (90min)			
	Particular	Time	
Greeting with students		5 Min	
Previous class review		10 Min	
Present class lecture		60 Min	
Feedback		10 Min	
Attendance		5 Min	

THEORY LESSON PLAN

Chapter	Topics with contents	Learning Outcome	Supporting Equipments
1	Seam 1.1 Define seam. 1.2 Classify seam. 1.3 Describe different types of seam.	1) To gain knowledge about Seams of garments.	Text Book, marker & Link: Seam classes
2	Stitch 2.1 Define stitch. 2.2 Classify stitch based on ISO. 2.3 Discuss ISO stitch class 100, 200, 300, 400, 500 and 600. 2.4 Explain the principle of lock stitch formation. 2.5 Explain the principle of chain stitch formation. 2.6 Compare lock stitch and chain stitch. 2.7 Discuss the principle of multi-thread chain stitch formation. 2.8 Explain the principle of hand stitch formation.	1) To gain knowledge about Stitches. 2) To know about the stitch classes. 3) To know about the principle of the stitches.	Text book, marker & Link:

	2.9 Describe the principle of overlock stitch formation. 2.10 Discuss the principle of covering chain stitch/ flat-lock formation		
3	Feed Mechanism 3.1 State the feed mechanism of the sewing machine. 3.2 Describe the basic components of the feed mechanism. 3.3 Classify feed mechanisms of sewing machines. 3.4 Discuss the drop feed system. 3.5 Explain differential bottom feed system. 3.6 Discuss adjustable top feed system. 3.7 Describe unison/ walking feed system. 3.8 Discuss needle feed system. 3.9 Explain puller feed system.	1) To gain knowledge about the feed mechanism of sewing machines. 2) To know about the classifications of the feed mechanism.	Text Book, Marker & Link:
Quiz TEST 1 (Date:18/02/2024)		Evaluation of Chapter: 1-3	Questions & answers script
4	Sewing Needle 4.1 Discuss sewing needles. 4.2 Mention function of sewing needle. 4.3 Explain needle size/number. 4.4 Mention the classification of sewing needles. 4.5 Discuss the effect of wrong needle selection. 4.6 Describe different needle points. 4.7 Sketch needle cutting point and cloth point. 4.8 Explain needle cutting point and cloth point.	1)To gain knowledge about sewing needles. 2) To know about the classifications of sewing needles.	Text Book, Marker & Link:
5	Sewing Thread 5.1 Define sewing thread. 5.2 Classify sewing thread. 5.3 Describe different sewing threads. 5.4 Explain the factors that affect the function of sewing thread. 5.5 State different ticket number systems. 5.6 Mention the features of a good quality sewing thread. 5.7 Distinguish between yarn and sewing thread. 5.8 Define thread finish. 5.9 Mention the characteristics of thread finish. 5.10 Describe different thread packages.	1)To gain knowledge about Sewing thread. 2) To gain knowledge about ticket numbers. 3) To know about sewing thread packages.	Text Book, Marker, Sample of a Tech-Pack & Link:
CLASS TEST-1 (Date:)		Evaluation of Chapter: 4-6	Questions & answers script

6	Sewing Machine 6.1 State sewing machine. 6.2 List the types of sewing machines used in the garment industry. 6.3 Mention the features of a lock stitch machine. 6.4 State the characteristics of chain stitch machines. 6.5 Discuss the characteristics of an over lock machine. 6.6 State the specification of the zigzag lock stitch machine. 6.7 State the specification of the zigzag chain stitch machine. 6.8 State the specification of flat lock machine. 6.9 Mention the features of button hole machines. 6.10 Mention the features of button attaching machines.	1) To gain knowledge about sewing machines. 2) To gain knowledge about different types of sewing machines. 3) To know about	Text Book, Marker & Link:
7	Components of Sewing Machine 7.1 State the components of a sewing machine. 7.2 Discuss the manually operated sewing machine. 7.3 Discuss power-driven sewing machines. 7.4 Distinguish between manually operated sewing machine and power-driven sewing machine.	1) To gain knowledge about Pattern grading of a garment. 2) To know the purposes of grading and grade rules.	Text book,, Marker, Pattern Paper & Link:
MID TERM EXAM-(Exam starts from March 01)		Syllabus: Chapter 01-07	Questions & answers script
8	Bed Types of Sewing Machine 8.1 Classify bed types of sewing machine. 8.2 Explain flat-bed sewing machines. 8.3 Describe a raised bed sewing machine. 8.4 Explain a post bed sewing machine. 8.5 Describe cylinder bed sewing machine. 8.6 Discuss feed of the arm bed sewing machine. 8.7 Describe a side bed sewing machine.	1) To gain knowledge about Garment's Markers. 2) To know about marker efficiency & methods of marker making.	Text book, Marker, Garment's marker paper & Link:
9	Sewing Faults 9.1 List sewing faults. 9.2 Explain causes of different sewing faults. 9.3 Describe remedies of different sewing faults. 9.4 Calculate sewing faults according to DHU.	1) To know about CAD & CAM 2) To know the difference between CAD & CAM.	Text book, Marker, CAD software & Link:
10	Working Aids	1) To gain	Text book, Marker

	10.1 Define working aids. 10.2 List the working aids. 10.3 State the importance of working aids. 10.4 Describe different types of working aids.	knowledge about digitizing & plotting.	& Link:
	QUIZ TEST - 2 (Date:)	Evaluation of Chapter: 9-11	Questions & answers script
11	Trimmings and Accessories 11.1 Define trimmings and accessories. 11.2 List the trimmings and accessories used in garment industries. 11.3 Describe types of labels. 11.4 Explain different international care label codes. 11.5 Differentiate between label and motif. 11.6 Describe different interlining. 11.7 Distinguish between sewn and fusible interlining. 11.8 Differentiate between interlining and lining. 11.9 Explain different types of buttons. 11.10 Describe different types of zippers.	1) To gain basic knowledge about sample making 2) To know the types of sample and steps of sample making.	Marker, Text Book & Link:
12	Pressing and Finishing 12.1 Define finishing. 12.2 State the necessities of thread cutting. 12.3 Mention the objectives of pressing. 12.4 Describe the categories of pressing. 12.5 Mention the factors of pressing. 12.6 List the different equipment of pressing. 12.7 Discuss different pressing techniques.	1) To gain knowledge about virtual sampling and proto-typing.. 2) To know about virtual try-on and virtual catwalk.	Text Book, marker& Link:
13	Folding and Packing 13.1 Define folding and packing. 13.2 Classify folding. 13.3 Describe different types of folding methods. 13.4 Describe different types of packing. 13.5 Discuss the methods of folding and packing.	1) To gain knowledge about fabric inspection and fabric relaxation. 2) To know the basics about the 4-point inspection method.	Text book, marker & Link:
	CLASS TEST - 2 (Date:)	Evaluation of Chapter: 12-13	Questions & answers script
14	Alternative Methods of Joining 14.1 Define an alternative method of joining fabric. 14.2 Classify alternative methods of joining fabric.	1) To gain knowledge about Fabric spreading.	Text Book, Fabric layer, marker& Link:

	14.3 Describe welding, molding, adhesion and rivet joining processes. 14.4 Distinguish between sewing and alternative methods of joining.	2) To know the difference between manual and automatic fabric spreading;.	
15	Apparel Inspection 15.1 Define Inspection. 15.2 State the objectives of inspection. 15.3 Classify inspection. 15.4 Describe pattern inspection, marker inspection, spreading inspection, cut-part inspection and packing inspection. 15.5 Explain 1 or 2 hourly inspection, Traffic light system, 7-0 system of inspection and Sewing End-line 100% inspections system. 15.6 Define AQL, DHU and TAP. 15.7 Discuss AQL final inspection procedure. 15.8 Explain different types of defects during inspection.	1) To gain knowledge about fabric cutting. 2) To know the difference between manual and computerized cutting machines. 3) To know different types of cutting machines.	Text book, marker & Link:
Assignment or Presentation (Date:)		Evaluation of Chapter: 14-15	Questions & answers script
Total Class/ Quiz Test: 4		Total Class: 35	

PRACTICAL LESSON PLAN

Exp. No.	Experiment Names	Dates
1	Identify different Stitch classes (Page-327) 1.1 Identify stitch class-100 from a given sample/sketch. 1.2 Identify stitch class-200 from a given sample/sketch. 1.3 Identify stitch class-300 from a given sample/sketch. 1.4 Identify stitch class-400 from a given sample/sketch. 1.5 Identify stitch class-500 from a given sample/sketch. 1.6 Identify stitch class-600 from a given sample/sketch. 1.7 Identify the machine needed for each class 1.8 Identify the appropriate number of needle, sewing thread and bobbin/looper thread in each stitch class from a given sample/sketch. 1.9 Sketch the figure onto a A4 size paper. 1.10 Maintain the record of the experiment performed.	Experiment Date: 08/02/2024 Submission Date: 15/02/2024

2	Identify and Create different types of Seams (Page-333) 2.1 Identify seam class-1 from given sample/sketch. 2.2 Identify seam class-2 from given sample/sketch. 2.3 Identify seam class-3 from given sample/sketch. 2.4 Identify seam class-4 from given sample/sketch. 2.5 Identify seam class-5 from given sample/sketch. 2.6 Identify seam class-6 from given sample/sketch. 2.7 Identify seam class-7 from given sample/sketch. 2.8 Identify seam class-8 from given sample/sketch. 2.9 Select appropriate folder to create each seam class. 2.10 Sketch the figure onto a A4 size paper. 2.11 Maintain the record of the experiment performed.	Experiment Date: 15/02/2024
		Submission Date: 22/02/2024
3	Observe Specification and Practice Lock Stitch Sewing Machine (Page-343) 3.1 Observe the Lock Stitch sewing machine for specification inscribed on the machine. 3.2 Identify different parts of a Lock Stitch sewing machine. 3.3 Perform threading operation in needle of a Lockstitch sewing machine. 3.4 Perform threading operation in the bobbin of a Lockstitch sewing machine. 3.5 Observe winding operation of bobbin on the bobbin. 3.6 Observe thread tension control point of a Lockstitch sewing machine. 3.7 Observe Stitch Per Minute (SPM) control point of a Lockstitch sewing machine. 3.8 Perform sewing operation. 3.9 Maintain the record of performed experiments.	Experiment Date: 22/02/2024
		Submission Date: 29/02/2024
4	Observe Specification and Practice Over-Lock Sewing Machine (Page-357) 5.1 Observe the Over-Lock sewing machine for specification inscribed on the machine. 5.2 Identify different parts of an Over-Lock sewing machine. 5.3 Perform threading operation in needle of an Over-Lock sewing machine. 5.4 Perform threading operation in lower and upper loopers of an Over-Lock sewing machine. 5.5 Observe thread tension control point of an Over-Lock sewing machine. 5.6 Observe Stitch Per Minute (SPM) control point of an Over- Lock sewing machine. 5.7 Perform sewing operation. 5.8 Maintain the record of performed experiment.	Experiment Date: 21/03/2024
		Submission Date: 28/03/2024
5	Prepare Trim card (Page-394) 10.1 Observe the required components of a complete trim card. 10.2 Identify different trimmings of a given apparel/sample. 10.3 Identify different accessories of a given sample.	Experiment Date: 28/03/2024

	10.4 Put together all the trimmings and accessories to make a list. 10.5 Perform trim card preparation. 10.6 Maintain the record of the experiment performed.	Submission Date: 04/03/2024
Last submission date: 25/04/2024		Total Classes: 5