

Daffodil Polytechnic Institute, Institute Code: 50238
Lesson Plan – Academic session: April to August 2022

Subject Teacher : Asfakur Rahman (Instructor)
Subject Name : Specialized Garments Production
Subject Code : 5073
Technology : GDPM
Semester : 7th
Text Book : Specialized Garments Production
(Publisher: Prime Publication)

Marks	Grade Point	Letter Grade	Marks	Grade Point	Letter Grade
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

Mark Distribution (for 200 Marks)			
Theory Marks		Practical Marks	
Midterm	20	PC	25
Class test	05	PF	25
Quiz test	05	-	-
Final	120	-	-
Total	150	Total	50

Reference Book:

1. GARMENTS AND TECHNIQUES – PROF. M.A. KASEM.
2. GARMENTS PRODUCTION- J.S COOKLIN.

Class Time Distribution	
Particulars	Time
Greeting with students	05 Minutes
Taking Attendance	05 Minutes
Previous Class Review	10 Minutes
Present Class Topic Discussion and Lecture Delivery	40 Minutes
Students problem solving	10 Minutes
Present Class Topics Review	10 Minutes
Future topic discussion	10 Minutes

INTENTION:

Our student will be able to develop knowledge, skill and attitude in the field of garments manufacturing with special emphasis on:

- ✓ Interlining, fusing and coating
- ✓ Feed mechanism of sewing machine
- ✓ Sewing needles, sewing thread, sewing thread package & working aids.
- ✓ Fault of sewing.

SHORT DESCRIPTION ABOUT BOOKS STUDIES:

Understand the basic concept of Interlining; Fusing; Coating; Feed mechanism of sewing machine; Sewing needles; Sewing thread; Sewing thread package; Faults of sewing; Knit fabric; Machinery for seaming knit garments; Quality control of knit garments.

LECTURE	CHAPTER	SUPPORTING EQUIPMENT	LEARNING AREA	LEARNING OUTCOME
01	1. THE INTERLINING.	Equipment: Interlining Power Point Presentation. Video: https://www.youtube.com/watch?v=BKYE-9ypJRs	1.1 Define interlining. 1.2 Mention the classification of interlining. 1.3 Describe fusible interlining. 1.4 Mention the advantages of fusible interlining. 1.5 Distinguish between non fusible interlining and fusible interlining. 1.6 Describe the properties of fusible interlining. 1.7 Describe different types of fusible interlining.	After completing the class my student will have clear knowledge about different types of interlining.

02	2. THE FUSING.	Equipment: Fusible interlining. Power Point Presentation. Video: https://www.youtube.com/watch?v=qeUGQsp5tNs	2.1 Define fusing. 2.2 Mention the classification of fusing techniques. 2.3 Describe different fusing machines. 2.4 Describe hand iron & flatbed fusing machine. 2.5 Describe continuous fusing process. 2.6 Describe high frequency fusing machine. 2.7 Describe different types of fusing. 2.8 Describe the quality control of fusing.	After completing the class my student will be able to understand the working procedure of different fusing machine.
03	3. COATING.	Equipment: Interlining, Resin, Iron Power Point Presentation. Video: https://www.youtube.com/watch?v=qeUGQsp5tNs https://www.youtube.com/watch?v=bKwHK9PKB_k	3.1 Define coating. 3.2 Describe the purpose of resin coating. 3.3 Mention different methods of coating. 3.4 Describe resin coating. 3.5 Describe scatter coating. 3.6 Describe paste coating. 3.7 Describe film coating. 3.8 Describe emulsion coating.	After completing the class my student will be able to understand the different types of resin used in fusible interlining process.
04	Quiz Test 1	Equipment: Exam Paper, Question Paper	Chapter 1, 2 & 3	After the test my student can assess what they have learned with regards to the previous lecture.

05	4. THE FEED MECHANISMS OF SEWING MACHINES.	<p>Equipment: Different feed mechanism.</p> <p>Power Point Presentation.</p> <p>Video: https://www.youtube.com/watch?v=avr3pN_udMA</p>	<p>4.1 Define feed mechanism of sewing machine.</p> <p>4.2 Classify different feed mechanisms of sewing machine.</p> <p>4.3 Describe the drop feed system.</p> <p>4.4 Mention the limitation of drop feed system.</p> <p>4.5 Describe differential bottom feed system.</p> <p>4.6 Describe adjustable top feed system.</p> <p>4.7 Describe needle feed systems.</p> <p>4.8 Describe puller feed system.</p>	After completing the class my student will be able to identify different types of feed mechanisms and their working process.
06	5. THE NEEDLE OF SEWING MACHINE	<p>Equipment: Latch Needle, Bearded needle, Compound Needle</p> <p>Power Point Presentation.</p> <p>Video: https://www.youtube.com/watch?v=fh-by1iMGcc</p>	<p>5.1 Describe sewing needle.</p> <p>5.2 Mention function of sewing needle.</p> <p>5.3 Describe needle sizing/number.</p> <p>5.4 Mention the classification of sewing needle.</p> <p>5.5 Describe the causes of needle breaking during sewing.</p> <p>5.6 Describe different needle points.</p> <p>5.7 Describe needle cutting point & cloth point with sketch.</p>	After completing the class my student can draw & identify different sewing needle, different parts of sewing needle.
07	6. THE SEWING THREAD.	<p>Equipment: Mono filament, Multifilament textured Thread, core Spun thread.</p> <p>Power Point Presentation.</p> <p>Video: https://www.youtube.com/watch?v=bpPjVkkzTJk</p>	<p>6.1 Define sewing thread.</p> <p>6.2 Describe the types of sewing thread.</p> <p>6.3 Describe the properties of sewing thread.</p> <p>6.4 Describe metric ticket number system.</p>	After completing the class my Student will be familiar with sewing thread, the relation between sewing thread and needle size & the sewing fault.

			6.5 Describe the cotton ticket number system of sewing thread.	
08	Quiz Test 2	Equipment: Exam Paper, Question Paper	Chapter 1, 2 & 3	After the test my student can assess what they have learned with regards to the previous lecture.
09	Review Class		Chapter:1-3	After completing the review class my student will be able to get missed knowledge from the previous lecture and get all the solution of the problem which they faced in their self-study.
10	Class Test 1	Equipment: Exam Paper, Question Paper.	Chapter:1-3	After the test my student can assess what they have learned with regards to the previous lecture.
11	Review Class		Chapter:4-6	After completing the review class my student will be able to get missed knowledge from the previous lecture and get all the solution of the problem which they faced in their self-study.
12	Class Test 2	Equipment: Exam Paper, Question Paper.	Chapter:4-6	After the test my student can assess what they have learned with regards to the previous lecture.
13	Presentation	Equipment: Laptop, Projector	Short presentation on Different subject related topic by individual group.	After completing the presentation my student will be able to develop self-

				confidence and can deliver gained knowledge to the others.
Model Test on completed chapter				
Mid Term Examination				
14	7. THE SEWING THREAD PACKAGE.	Equipment: Spool, Cop & Cone. Power Point Presentation. Video: https://www.youtube.com/watch?v=7nAsk3kHumM	7.1 Define thread package. 7.2 Describe different thread packages. 7.3 Describe spool, cop & cone.	After completing the class my Student will be familiar with different thread packages.
15	8. THE KNIT FABRIC.	Equipment: Knit Fabric Power Point Presentation. Video: https://www.youtube.com/watch?v=U1bk4ZIOQvc	8.1 Mention the yarn properties for making knit fabrics. 8.2 Describe the properties of knit fabric. 8.3 Mention the steps of knit garments production. 8.4 Describe the process of knit garments production. 8.5 Describe different categories of knit garments according to general production method of knit garments. 8.6 Mention the production sequence of fully cut garments, stitch shaped cut, fully fashioned and integral.	After completing the class my Student will be able to understand knit fabric & knit fabric garment production process.
16	Quiz Test 3	Equipment: Exam Paper, Question Paper	Chapter 7 & 8	After the test my student can assess what they have learned with regards to the previous lecture.
17	9. THE MACHINERY FOR SEAMING KNIT GARMENTS.	Equipment: Knit Fabric Power Point Presentation. Video: https://www.youtube.com/watch?v=U1bk4ZIOQvc	9.1 Mention the constructional features of sewing machine. 9.2 Describe the four bed type variations used in the knit garments industries. 9.3 Mention the general view of dial	After completing the class my Student will be familiar with the different types of knitting machine used in the knit garments factory.

			linking machine. 9.4 Describe stitch forming action of conventional needle linking machine forming single chain stitch.	
18	10. THE QUALITY CONTROL OF KNIT GARMENTS.	Equipment: Knit polo shirt, T Shirt Power Point Presentation. Video: https://www.youtube.com/watch?v=U1bk4ZIOQvc https://www.youtube.com/watch?v=g5NvHdo4mvY	10.1 Describe knit fabric quality. 10.2 Find the weight per unit area and cover factor (tightness) of knit fabric. 10.3 Describe the causes of different faults of knit garments with their remedies. 10.4 Mention the steps of quality control during the manufacturing of knit garments	After completing the class my Student will be able to know the knit fabric quality and different faults of knit garments with their remedies.
19	11. THE WORKING AIDS	Equipment: Guide, Compensating foot, pressure foot, stitching jig, Rack Guide, Folder. Power Point Presentation. Video: https://www.youtube.com/watch?v=MC9nYWY9F6QS	11.1 Define working aids. 11.2 Function of working aids. 11.3 List of working aids. 11.4 Describe different types of working aids.	After completing the class my Student can be able to know different work aid, the uses of work aids.
20	Quiz Test 4	Equipment: Exam Paper, Question Paper	Chapter 9, 10 & 11	After the test my student can assess what they have learned with regards to the previous lecture.

21	Review Class		Chapter: 7 & 8	After completing the review class my student will be able to get missed knowledge from the previous lecture and get all the solution of the problem which they faced in their self-study.
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22	Class Test 3	Equipment: Exam Paper, Question Paper.	Chapter: 7 & 8	After the test my student can assess what they have learned with regards to the previous lecture.
23	Review class		Chapter 9, 10 & 11	After completing the review class my student will be able to get missed knowledge from the previous lecture and get all the solution of the problem which they faced in their self-study.
24	Class Test 4	Equipment: Exam Paper, Question Paper	Chapter 9, 10 & 11	After the test my student can assess what they have learned with regards to the previous lecture.
25	Presentation	Equipment: Laptop, Projector	Short presentation on Different subject related topic by individual group.	After completing the presentation my student will be able to develop self-confidence and can deliver gained knowledge to the others.
Model Test on All Chapter				
Semester Final				