

Program Name : Diploma in Dress Designing & Garment Manufacturing

Program Code : DD

Semester : First

Course Title : Sewing Techniques Portfolio

Course Code : 24006

1. RATIONALE

For a well finished garment, knowledge of different components is essential. This preliminary course aims at building a foundation for sewing garment for various categories in the future. The course covers the knowledge and application of various garment components which finally enables the student to use them in suitable designs.

2. COMPETENCY

The aim of this course is to develop a resource file which can be used for reference.

- **Stitch various components of a garment.**

3. COURSE OUTCOMES (COs)

The theory and practical experiences associated with this course will allow the student to demonstrate the following industry oriented COs associated with the above mentioned competency:

- Stitch different types of seams and seam finishes.
- Stitch various types of tucks, darts, ruffles and flounces.
- Stitch different types plackets, necklines and waist lines.
- Stitch various types of collars.
- Stitch different types of sleeves and sleeve finishes.
- Stitch various types of pockets.

4. TEACHING AND EXAMINATION SCHEME

Teaching Scheme			Credit (L+T+P)	Examination Scheme											
L	T	P		Theory						Practical					
				Paper Hrs.	ESE		PA		Total		ESE		PA		Total
				Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
--	2	6	8	--	--	--	--	--	--	75#	30	75~	30	150	60

**:10 marks of theory PA is for micro-project assessment to facilitate attainment of COs and the remaining 10 marks for tests and assignments given by the teacher.*

Legends: *L-Lecture; T – Tutorial/Teacher Guided Theory Practice; P - Practical; C – Credit, ESE - End Semester Examination; PA - Progressive Assessment*

5. COURSE MAP (with sample COs, Learning Outcomes i.e.LOs and topics)

This course map illustrates an overview of the flow and linkages of the topics at various levels of outcomes (details in subsequent sections) to be attained by the student by the end of the course, in all domains of learning in terms of the industry/employer identified competency depicted at the centre of this map.



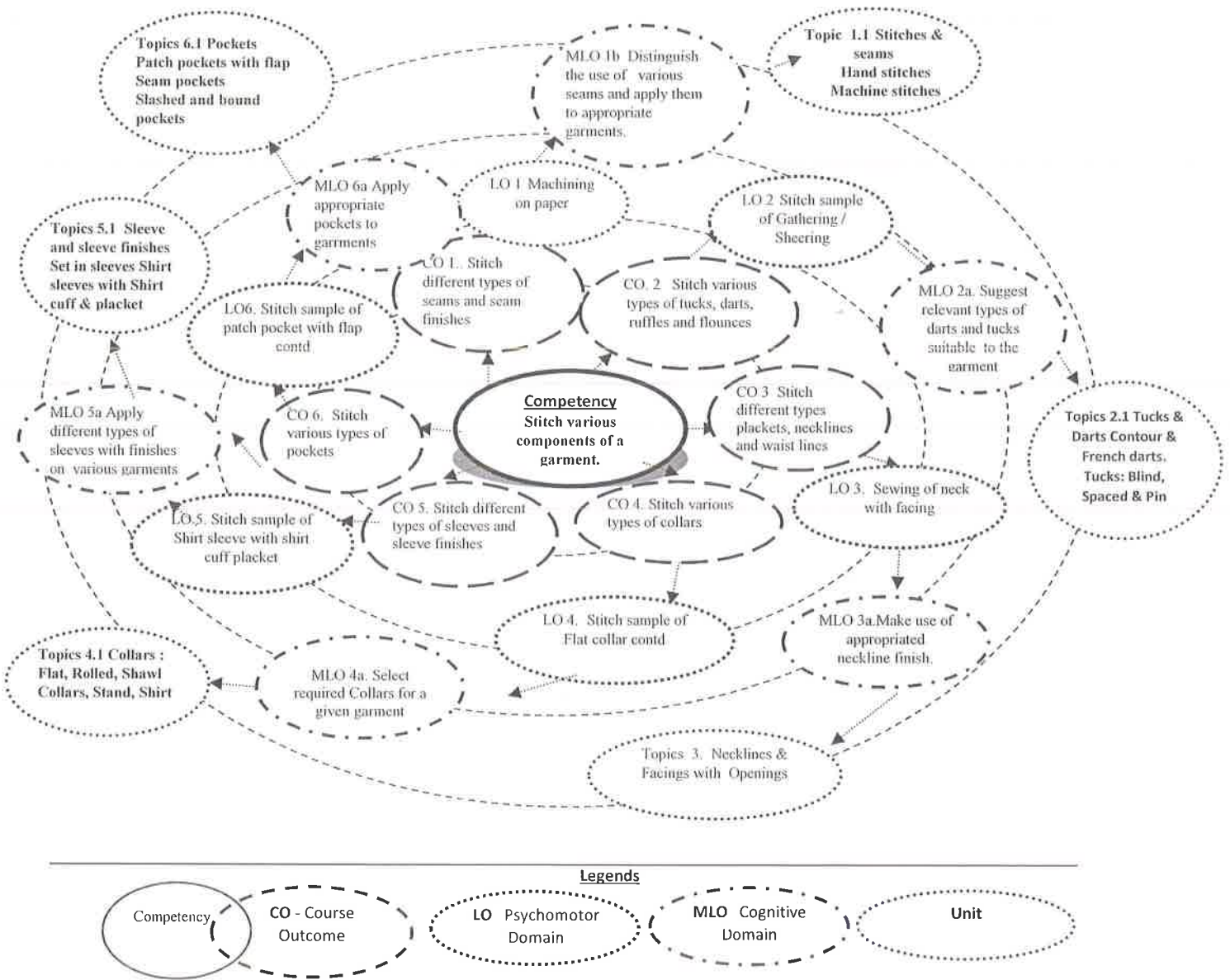
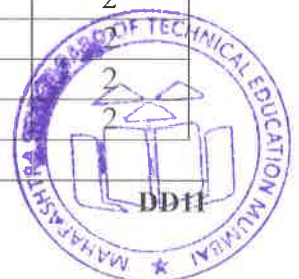


Figure 1 - Course Map

6. SUGGESTED PRACTICALS / EXERCISES

The practical/exercises/tutorials in this section are psychomotor domain LOs (i.e.sub-components of the COs) are to be developed and assessed in the student to lead to the attainment of the competency.

S. No.	Practical Exercises (Learning Outcomes in Psychomotor Domain)	Unit No.	Approx. Hrs. Required
1.	Machining on paper	I	2
2.	Machine Practice	I	2
3.	Back stitch / Hemming / Slip stitch	I	
4.	Machine Practice	I	
5.	Stitch samples of Seams – Plain Seam	I	



6.	Stitch samples of Seams – French and Mock seams	I	2
7.	Stitch samples of Seams – Flat felled seam	I	2
8.	Stitch samples of Seams – Flat felled seam Contd.	I	2
9.	Stitch samples of Seams – Clean finish and Hong Kong finish	I	2
10.	Decorative Seams	I	2
11.	Corded Seams	I	2
12.	Seaming Interfacings	I	2
13.	Cross Seams	I	2
14.	Seams for special fabrics	I	2
15.	Stitch sample of Gathering / Sheering	II	2
16.	Stitch sample of Ruffles & Flounces	II	2
17.	Stitch sample of tucks – Pin tucks, Spaced tucks	II	2
18.	Stitch sample of tucks – Pin tucks, Spaced tucks contd.		2
19.	Stitch sample of tucks – Blind tucks	II	2
20.	Stitch sample of Darts – Contour and French darts	II	2
21.	Sewing of neck with facing	III	2
22.	Sewing of neck with facing contd.	III	2
23.	Sewing of neck with piping	III	2
24.	Sewing of neck with piping contd.	III	2
25.	Stitch sample of faced placket	III	2
26.	Stitch sample of continuous placket	III	2
27.	Stitch sample of Lapped placket	III	2
28.	Stitch sample of conventional zipper	III	2
29.	Stitch sample of conventional zipper contd.	III	2
30.	Stitch sample of invisible zipper	III	2
31.	Stitch sample of invisible zipper contd.	III	2
32.	Stitch sample of zipper fly opening	III	2
33.	Stitch sample of zipper fly opening contd.	III	2
34.	Stitch sample of button fly opening	III	2
35.	Stitch sample of button fly opening contd.	III	2
36.	Sewing of waistline with waist band	III	2
37.	Sewing of waistline with waist band contd.	III	2
38.	Sewing of waistline with facing	III	2
39.	Sewing of waistline with facing contd.	III	2
40.	Cutting and Sewing of curved hemline	III	2
41.	Cutting and Sewing of square hemline	III	2
42.	Cutting and Sewing of Fused hem / Hemming a faced opening	III	2
43.	Cutting and Sewing of Fused hem / Hemming a faced opening contd.	III	2
44.	Cutting and Sewing of Bias hem facing	III	2
45.	Stitch sample of Flat collar	IV	2
46.	Stitch sample of Flat collar contd.	IV	2
47.	Stitch sample of Stand and Shirt collar (Explain both and construct any 1 in class and other at home)	IV	2
48.	Stitch sample of Stand collar / Shirt collar contd.	IV	2
49.	Stitch sample of Rolled and Shawl collar (Explain both and construct any 1 in class and other at home)	IV	2
50.	Stitch sample of Rolled / Shawl collar contd.	IV	2



51.	Stitch sample of Rolled / Shawl collar contd.	IV	2
52.	Stitch sample of short sleeve (Set-In method)	V	2
53.	Stitch sample of Shirt sleeve with shirt cuff placket	V	2
54.	Stitch sample of Shirt sleeve with shirt cuff placket contd.	V	2
55.	Stitch sample of Puff Sleeve	V	2
56.	Stitch sample of Puff Sleeve contd.	V	2
57.	Stitch sample of Tulip Sleeve	V	2
58.	Stitch sample of Tulip Sleeve contd.	V	2
59.	Stitch sample of patch pocket with flap	VI	2
60.	Stitch sample of patch pocket with flap contd.	VI	2
61.	Stitch sample of Slashed and Bound pockets / Welt pockets	VI	2
62.	Stitch sample of Slashed and Bound pockets / Welt pockets contd.	VI	2
63.	Stitch sample of Inseam pocket	VI	2
64.	Stitch sample of Inseam pocket contd.	VI	2
	Compile a portfolio of the above samples		
Total			128

Note: To attain the COs and competency, a judicious mix from the above listed LOs need to be performed to achieve up to the 'Precision Level' of Dave's 'Psychomotor Domain Taxonomy'. Assessment of the 'Process' and 'Product' related skills in the laboratory/workshop/field work should be done as per suggested sample below:

S No.	Performance Indicators	Weightage in %
1	Use of patterns created through CAD, Draping and Manual methods	10
2	Use cutting & stitching tools.	10
3	Neatness of samples.	10
4	Submit samples in time.	10
5	Presentation of output.	10
Total		50

Additionally, the following affective domain Los (social skills/attitudes), are also important constituents of the competency which can be best developed through the above mentioned laboratory/field based experiences:

- a. Follow safety practices.
- b. Practice good housekeeping.
- c. Demonstrate working as a leader/a team member.
- d. Maintain tools and equipment.
- e. Follow ethical Practices.

The development of the attitude related Los of Krathwohl's 'Affective Domain Taxonomy', the achievement level may reach:

- 'Valuing Level' in 1st year
- 'Organising Level' in 2nd year
- 'Characterising Level' in 3rd year.



7. MAJOR EQUIPMENT/ INSTRUMENTS REQUIRED

The major equipment with broad specification mentioned here will usher in uniformity in conduct of experiments, as well as aid to procure equipment by authorities concerned.

S. No.	Equipment/Instruments/Other resources name with Broad Specifications	Experiment S.No.
1.	Measuring Tools – Scale Triangle, measuring tape, flexi tape, French curve. Tracing Tools – Tailors Chalk Tracing paper, Carbon Paper, Tracing wheel. Cutting Tools – Scissors, Shears, Pinking Shears Sewing Tools - Hand and machine needles, thread Pressing Tools: Regular and steam press Zipper foots : right and left Fabric : Muslin & Grieg cloth	All
2.	Drafted Patterns	20 to 64
3.	Sewing Machine	All
4.	Portfolio for samples	all

8. UNDERPINNING THEORY COMPONENTS

The following topics/subtopics should be taught and assessed in order to develop LOs in cognitive domain for achieving the COs to attain the identified competency.

Unit	Unit Outcomes (UOs) (in cognitive domain)	Topics and Sub - topics
Unit– I Seams & Seam finishes	1a. Describe equipment & supplies used for sewing, pressing. 1b. Distinguish the use of various seams and apply them to appropriate garments.	1.1 Sewing equipment, sewing supplies, machines and pressing equipment 1.2 Stitches & seams Hand stitches Machine stitches: Seams: Plain seam Self-enclosed seam Overedge seams Decorative seams Corded seams Seaming interfacings Cross seams Seams with fullness Seams for special fabrics
Unit – II Fashion Detailing Tucks, Darts, Ruffles & Flounces	2a. Suggest relevant types of darts and tucks suitable to the garment 2b. Select method of added fullness to the garments	2.1 Tucks & Darts Contour & French darts Tucks: Blind, Spaced & Pin. 2.2 Gathering & Sheering 2.3 Ruffles & Flounces
Unit III Necklines,	3a Make use of appropriated neckline finish.	3.1 Necklines & Facings with openings



Plackets, Waist line and hems finishes	3b. Make appropriate use of plackets and zip openings in garments. 3c. Select appropriate method and of waist line finish. 3.d . Apply appropriate hem finishes to various garments.	3.2 Plackets, zip openings and fly opening 3.3 Waist line joining Waist line casings & applied casings Straight waist band Contour waist band 3.4 Hems Turn up hems Fused hem Hemming a faced opening Bias hem facing
Unit IV Components of Garment, Collars	4a. Select required Collars for a given garment	4.1 Collars : Flat, Rolled, Shawl Collars, Stand, Shirt.
Unit V Components of Garment, Sleeves and Sleeve finishes	5.a. Apply different types of sleeves with finishes on various garments.	5.1 Sleeve and sleeve finishes Set in sleeves Shirt sleeves with Shirt cuff & placket
Unit VI Components of Garment, Pockets	6.a. Apply appropriate pockets to garments.	6.1 Pockets Patch pockets with flap Seam pockets Slashed and bound pockets Welt pockets

9. SUGGESTED SPECIFICATION TABLE FOR QUESTION PAPER DESIGN

- Not applicable –

10. SUGGESTED STUDENT ACTIVITIES

Other than the classroom and laboratory learning, following are the suggested student-related co-curricular activities which can be undertaken to accelerate the attainment of the various outcomes in this course: Students should conduct following activities in group and prepare reports of about 5 pages for each activity, also collect/ record physical evidences for their students) portfolio which will be useful for their placement interviews:

- Student should maintain a notebook where all the new words which are used in the fashion market will be noted with meanings.
- Students should visit the retail outlets where they will be familiar with various new styles in different garment components.
- Analysis of finishes and sewing techniques applied to branded garments. (Students could bring garments from home and analyse the above and record for future reference any new techniques, finishes and materials observed)

11. SUGGESTED SPECIAL INSTRUCTIONAL STRATEGIES

These are sample strategies, which the teacher can use to accelerate the attainment of the various outcomes in this course:



- a. Massive open online courses (MOOCs) may be used to teach various topics/ sub topics.
- b. 'L' in item No. 4 docs not mean only the traditional lecture method, but different types of teaching methods and media that are to be employed to develop the outcomes.
- c. About 15 – 20 % of the topics/sub- topics which is relatively simpler or descriptive in nature is to be given to the students for self-directed learning and assess the development of the Cos through classroom presentations (see implementation guideline for details).
- d. With respect to item No. 10, teachers need to ensure to create opportunities and provisions for co – curricular activities.
- e. Guide students in undertaking micro-projects.

12. SUGGESTED MICRO PROJECTS

Compile a project of sample variations other than the above as self study

- 1) Hand stitches: decorative stitches, overcasting
- 2) Seams :
 - Overedge seams : 3 nos
 - Decorative seams : 5 nos
 - Corded seams : 2 nos
 - Seaming interfacings : 2 nos
 - Cross seams : 2 nos
 - Seams with fullness : 3 nos
 - Seams for special fabrics :5 nos
- 3) Darts
 - Lapped dart
 - Abutted dart
 - Catchstitched dart
 - Tucks :Special tucks
- 4) Pleats with variation finishes
- 5) Smocking
- 6) Ruffles & Founces: 5 nos
- 7) Waist line joining: Inset waist lines, Ribbon faced waist band, Waist band with ribbon and extended facing
- 8) Sleeve and sleeve finishes: Raglan & kimono sleeves
- 9) Sleeve finishes: Casing, Continuous bound Cuff .
- 10) Hems: Double stitched hem, Decorative hem finishes

13. SUGGESTED LEARNING RESOURCES:

Sr. No.	Title of Book	Author	Publication
1	New Complete Guide To Sewing. [Step-By-Step Techniques For Making Clothes And Home Accessories]	(Reader's Digest)	New York. The Reader's Digest Association (Canada) Ltd., 2002.
2	Singer Sewing Step By Step	(Singer)	U.S.A, Cy Decosse Incorporated, 1990



3	The Sewing Book : Dressmaking, Soft Furnishing, Best Tools Step-By-Step Techniques, Creative Projects	Smith, Alison	London, Dorling Kindersley Limited, 2009
4	Dressmaking - Skills, Techniques & Design : A Duke Of Edinburgh's Award Guide	Lester, Nicky Messenger, Jack - Ed.	Bristol, Purnell Publishers Limited / Sampson Low, 1983
5	The Sewing book	Alison Smith	First published in Great Britain in 2009 by Darling Kindersley Limited 80 Strand, London WC2R ORL
6	New complete guide to Sewing	Readers Digest	The Readers Digest Association, Inc, Adult Trade Publishing, Readers Digest Road, Pleasantville, NY 10570- 7000 ISBN 0-7621-0420-1
7	The Complete Book of Sewing	--	--
8	Garment Technology for fashion designers	Cooklin Gerry	Black well science Ltd, 1997, England, ISBN No. 978-1- 4051-9974-2. 208
9	Sewing for Apparel Industry	Shaeffer Claire	Pearson Publications, 2002, ISBN No. 13: 978-0131884434
10	Step by step dress making course	Aitken Leila	BBC Books, 1992, England ISBN No. 9781409352617
11	The Technology of clothing Manufacture	Barbara Latham Carr Herald	Om Book Service, Eng, 1994 ISBN No. 978-1-4051-6198- 5.344

14. SUGGESTED SOFTWARE / LEARNING WEBSITES

- a. <http://fashion2apparel.blogspot.com>
- b. <http://www.sewing.org>
- c. <https://www.youtube.com/>
- d. <https://threadtheory.ca>
- e. <https://shop.mybluprint.com>
- f. www.pinterest.com/pin/471892867180608344/
- g. www.fashiondesignscope.com/?p=3094
- h. www.businessinsider.in/these-are-the-only-6-types-of-shirt-collars-guys-should-wear-2015-7?r=US&IR=T
- i. www.charlesparsons.com/categories/componentry/
- j. textilefashionstudy.com/basic-components-of-garment-sewing/
- k. books.google.co.in/books?id=jGWWIVedQTQC&pg=PA139&Ipg=PA139&dq=garment+components&source

