



**B.Sc. FASHION TECHNOLOGY AND COSTUME DESIGNING  
CHOICE BASED CREDIT SYSTEM –  
LEARNING OUTCOMES BASED CURRICULUM FRAMEWORK (CBCS - LOCF)**

**(Applicable to the candidates admitted from the academic year 2022-2023 onwards)**

**Revised as on 05.01.2023**

Sem.	Part	Course	Title	Ins. Hours	Credit	Exam Hours	Marks		Total
							Int.	Ext.	
I	I	Language Course – I (LC) (Tamil \$ / Other Languages + #)		6	3	3	25	75	100
	II	English Language Course - I (ELC)		6	3	3	25	75	100
	III	Core Course – I (CC)	Introduction to Fashion Designing	6	5	3	25	75	100
		Core Practical – I (CP)	Fashion Illustration	4	4	3	40	60	100
		First Allied Course – I (AC)	Textile Science	5	4	3	25	75	100
		Value education		2	2	3	25	75	100
	<b>Total</b>				<b>30</b>	<b>21</b>			
II	I	Language Course – II (LC) (Tamil \$ / Other Languages + #)		6	3	3	25	75	100
	II	English Language Course – II (ELC)		6	3	3	25	75	100
	III	Core Course – II (CC)	Fashion Clothing and Psychology	5	5	3	25	75	100
		Core Practical– II (CP)	Sewing Techniques	4	4	3	40	60	100
		First Allied Practical (AP)	Surface Embellishment	3	2	3	40	60	100
		First Allied Course – II (AC)	Pattern Making Techniques	4	4	3	25	75	100
		<b>Add on Course – I ##</b>	<b>Professional English- I</b>	<b>*6</b>	<b>4</b>	<b>3</b>	<b>25</b>	<b>75</b>	<b>100</b>
IV	Environmental Studies		2	2	3	25	75	100	
<b>Total</b>				<b>30+6*</b>	<b>27</b>				<b>800</b>

\$ For those who studied Tamil upto 10<sup>th</sup> +2 (Regular Stream

+ Syllabus for other Languages should be on par with Tamil at degree level

# Those who studied Tamil upto 10<sup>th</sup> +2 but opt for other languages in degree level under Part I should study special Tamil in Part IV

## **The Professional English – Four Streams Course is offered in the 2<sup>nd</sup> and 3<sup>rd</sup> Semester (only for 2022-2023 Batch) in all UG Courses. It will be taught apart from the Existing hours of teaching/additional hours of teaching (1 hour /day) as a 4 credit paper as an add on course on par with Major Paper and completion of the paper is must to continue his/her studies further. (As per G.O. No. 76, Higher Education (K2) Department dated: 18.07.2020).**

\* **The Extra 6 hrs./Cycle as per the G.O. 76/2020 will be utilized for the Add on Professional English Course.**

@ **NCC Course is one of the Choices in Non-Major Elective Course. Only the NCC cadets are eligible to choose this course. However, NCC Course is not a Compulsory Course for the NCC Cadets.**

\*\* Extension Activities shall be outside instruction hours.

**First Year**

**CORE COURSE I  
INTRODUCTION TO FASHION DESIGNING**

**Semester I**

**Code:**

**(Theory)**

**Credit: 5**

**COURSE OBJECTIVES:**

- Create basic knowledge about fashion concepts and its terminologies.
- Know the basic elements and principles of designing.
- Understand about the scope and career opportunities in fashion industry

**UNIT – I FASHION DESIGNING CONCEPTS:**

Meaning of Fashion, Origin of Fashion, Meaning of Fashion Designing, Classification of Fashion, Influence of Fashion; Present Structure of Fashion Industry.

**UNIT – II THEORIES OF FASHION& FASHION TERMINOLOGIES:**

Elements of Fashion process: Fashion origin, evolution- with examples from different eras till French revolution, Fashion cycles, Fashion theories and terminologies.

**UNIT – III ELEMENTS OF ART AND PRINCIPLES OF DESIGN:**

Design – Definition & its types -Structural design, decorative design, basic silhouette. Elements of Design (point, line, form, shape, space, size, texture and colour), Principles of Design – (harmony, proportion, balance, rhythm and emphasis) Application of principle of design in dress.

**UNIT – IV COLOUR:**

Introduction to colour, colour wheel (Prang &Munsell system) Properties and qualities of colour, colour scheme Theories of colour harmony, colour and garment, colour selection. Principles & Procedure of combining colour.

**UNIT – V CAREER IN FASHION:**

Scope of Fashion business, choosing a career in Fashion, Career in Manufacturing, Designing, Career in Retailing, Fashion Modeling, Residential Buying office careers, Career in Fashion service organizations, Freelancing.

## **UNIT – VI CURRENT CONTOURS (For continuous internal assessment only):**

1. Continuous Assessment Test I, II (Theory component)
2. Open Book Test, Cooperative Learning Report, Assignment, Group Presentation, mini Project Poster Preparation)
3. End Semester Exam

### **REFERENCES:**

1. Bride M Whelan, " Colour Harmony" Rockford Publishers, 1992
2. Chijiwa, Hideaki, "Colour Harmony", Rockfort Publishers, USA, 10111 edition, I 1992.
3. Suzanne G. Marshall, Hazel O. Jackson M. Sue Stanley, Mary Kefgen, Individuality in Clothing Selection and Personal Appearance, PhullisTouchieSpecnt ,New Jersey, 2000
4. V.D. Dudeja, Professional Management of Fashion Industry, Gangandeeep Publications, New Delhi, 2005.
5. Kitty G. Dickerson, Inside the Fashion Business, Pearson Education, Singapore, 2003.
6. Kathryn Mokelvey, Janine Munslow, Fashion Design Process, Innovation and Practice, Black Well Science Ltd, U.K, 2005.
7. Elements of fashion and apparel design G.J. Sumathi
8. Elements of fashion and apparel design Sumathi 81-224-1371-4
9. <https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=8x0nJkh/R0vHkX1U70Z/CQ>
10. FASHION: Elements and Principles of Design by Miss. Sacco (prezi.com)

### **COURSE OUTCOMES:**

- Understand the basic concepts of design.
- Identify the terms related to fashion designing
- Acquire knowledge on elements and principles of design
- Gain expertise on the application of color theories
- Identify the scope of fashion business.

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**First Year**

**CORE PRACTICAL I  
FASHION ILLUSTRATION**

**Semester I**

**Code:**

**(Practical)**

**Credit: 4**

**COURSE OBJECTIVES:**

- Understand about human anatomy.
- Acquire skills in delineating human body sketching.
- Sketch Croqui and add dresses with suitable accessories

**UNIT – I INTRODUCTION TO FASHION ILLUSTRATION:**

1. Free Hand Drawing
2. Basics of Shading.
3. Pencil grading and smudging techniques.
4. Stick figures in different poses.

**UNIT – II FASHION FIGURE DRAWING:**

1. 8 Head theory
2. 10 Head Theory
3. 12 Head Theory.
4. Different poses of Fashion Figure (Women, Men and Children).

**UNIT – III FACIAL FEATURE:**

1. Drawing eyes, nose, ears, lips face, and hair styles.
2. Sketching of different angles of foot and palm.

**UNIT – IV SKETCHING ON BASIC CROQUI:**

1. Sketching fullness, hemlines and waist bands.
2. Sketching of seams and shirring.
3. Necklines, Collars, Sleeves and Cuffs.
4. Children's Wear
5. Women's Wear
6. Men's Wear

**Unit – V Sketching of Fashion Accessories:**

1. Bags, Foot wear, Hats, Ties, Specs and its types,
2. Jewelries- Traditional, Modern and Antique and its types.

**Unit-VI: Current Contours (For continuous internal assessment only):**

1. Regular Laboratory experiment
2. Group work

3. Internal tests
4. End Semester Exam

### **REFERENCES:**

1. Alfred D. Dorkenzio (2001), Fashion Sketching: Drawing the Fashion Figure, Thomas Learning Custom Publishing.
2. Bina Abling (2001), Fashion Rendering with Colours, Prentice Hall, New Jersey.
3. Tatham Seamas, “fashion design drawing course” 978-0-7641-2473-0
4. Fashion Drawing – The Basic Principles, Anne Allen and Julian Seaman, Anova Books.
5. Fashion illustration and Presentation, Manmeet Sodhia, Kalyani Publishers.
6. Fashion Source Book, Kathryn Mckelvey, Blackwell Science
7. Ritu Beri, Fashion Illustration and Rendering (2005), B. Jain Publishers (P) Ltd., New Delhi.
8. Snap Fashion Sketch Book, Bill Glazer , Prentice Hall; 2 edition (2007)
9. Fashion Illustration, Anna Kiper, David & Charles Book, 2011
10. <https://www.udemy.com/learn-to-draw-fashion-with-adobe-illustrator-cc-beginners/?siteID=SAyYsTvLiGQ-uausPN8UukNxyGp.f1egTA&LSNPUBID=SAyYsTvLiGQ>

### **COURSE OUTCOMES:**

- Understands the requirement for illustration skills as an essential tool of visual communication for the fashion industry
- Analyze human anatomy with different Head theories and different types of body contour.
- Learn to draw different facial figures features and postures.
- Develop designer wears for males and femalesto suit current trends
- Sketch different types of accessories according to fashion figures

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**First Year**

**FIRST ALLIED COURSE I  
TEXTILE SCIENCE**

**Semester I**

**Code:**

**(Theory)**

**Credit: 4**

**COURSE OBJECTIVES:**

- Study the natural, manmade fibers and their properties.
- Gain knowledge in yarn manufacturing
- Teach different types of fabric construction methods.

**UNIT – I TEXTILE FIBER & YARN:**

**Fiber** – Definition, Classification of Fiber. Introduction to Textile Fibres – Classification of Textile Fibres: Natural fibres – Cotton – Jute – Wool – Silk Fibres – Physical and Chemical Properties of Fibres – Uses of the above fibres. Man-Made fibre – Nylon fibre – Polyester fibre – Properties of fibres – Uses of the above fibres

**Yarn** –Types and characteristics of yarns – ply yarns, cable yarns, double yarns and novelty yarns and its types.

**UNIT – II YARN MANUFACTURING:**

Conventional ring spinning method, Modern spinning methods – Passage of material through open end spinning, Friction spinning, Airjet spinning, Twistless spinning. Filament yarn spinning methods wet spinning, dry spinning, and melt spinning.

**UNIT – III WEAVING:**

Preparation for weaving (warping, sizing, looming) Basic loom structure. Weaving- Definition, Primary motion – shedding – Definition and a brief explanation, picking, beating up. Secondary motion – Definition and Ancillary motion. Types of selvedge's. Construction of cloth designs - Design, draft and peg plan. Classification of weaves – plain weave, twill, Satin, sateen& Crepe, dobby (Climax) and Jacquard (single lift single cylinder) Identification of woven fabric defects.

**UNIT – IV KNITTING:**

Knitting – Definition, Comparison between woven fabrics and knitted fabric. Classification of knitted fabrics weft knitting – plain knit stitch, Rib stitch, Warp knitting - Tricot knit, Raschel Knit (Jacquard knit, pile knit, Terry knit, velour knit) Identification of knitted fabric defects.

## **UNIT – V FELTED AND NON-WOVEN FABRICS:**

Felted fabrics – Felting process. Types of felt, properties and uses of felt. Non-woven – Definition, classification of non-woven fabrics, web forming techniques, bonding techniques, and finishing techniques. Characteristics of non-woven, uses of non-woven fabrics.

## **UNIT – VI CURRENT CONTOURS (For continuous internal assessment only):**

1. Continuous Assessment Test I, II (Theory component)
2. Open Book Test, Cooperative Learning Report, Assignment, Group Presentation, mini Project, Poster Preparation)
3. End Semester Exam.

## **REFERENCE BOOK:**

1. Corbman B.P Fibre to Fabric, International Students Edition Mc Graw Hill Book Co- Singapore, 2000.
2. Sara J. Radolph and Anna L. Lang Ford, Textiles, Prentice hall, New York, 2002.
3. Murphy, W.S. (2001), Handbook of weaving, Abhishek publication, Chandigarh.
4. Gokerneshan.N (2009), Weaving Preparation Technology, Abishek Publications, Chandigarh.
5. E.P.G. Gohl, L.D. Velensky, “Textile Science” CBS Publishers and Distributors, 2003
6. Seemasekhri “Fabric science” 978-81-203-4183-8
7. Kanwarvarinder “Fabric studies” 81-272-1904-58
8. Druid “Fabric textile and patterns” 9789057681127 5. Barker “Hand book of textile
9. N.S.Kaplan (2008) Textile Fibres, Abhishek Publications, Chandigarh.
10. Meenakshi Rastogi (2009) fibres and yarn, Sonali Publications, New Delhi,
11. <https://www.youtube.com/watch?v=PDuiSnBYCQc>
12. <https://www.youtube.com/watch?v=lGB50nBlAc0>

## **COURSE OUTCOMES:**

- Understand the basics of fiber and yarn
- Acquire knowledge about fabric making techniques
- Understanding the concepts of weaving, knitting and non-woven fabrics
- Classify the different types woven, knitted and non-woven fabrics
- Develop expertise on understanding the properties of and uses woven, knitted and non -woven fabrics

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**First Year**

**CORE COURSE II**

**Semester II**

**FASHION CLOTHING AND PSYCHOLOGY**

**Code:**

**(Theory)**

**Credit: 5**

**COURSE OBJECTIVES:**

1. Understand the psychological needs of fashion
2. Impart knowledge about fashion accessories and designing for figure irregularities.
3. Explain the current scenario of the world fashion centers.

**UNIT – I FACTORS AFFECTING FASHION CHANGES:**

Psychological needs of fashion, Socio Psychology of fashion, Technology, Economical, Political, legal and seasonal. Recurring silhouettes – changes in silhouettes from 1895 onwards; fashion cycle; fashion Prediction; \*Role of costumes as status symbol, clothes as sex appeal, self-identity, cultural value.

**UNIT – II FIGURE IRREGULARITIES:**

Stout figure, thin figure, slender figure, narrow shoulders, broad shoulders, round shoulders, large bust, flat chest, large hip, large abdomen, round face, large face, small face and broad face, prominent chin and jaw and prominent forehead. Wardrobe planning and factors to be considered while selecting clothes for different age groups (men and women).

**UNIT – III FASHION FORECASTING:**

Color, fabrics, Current fashion silhouettes, texture, designs - Designer types – classicist, idealist, Influenced, Realist, Thinking poet.

**UNIT – IV WORLD FASHION CENTRES:**

France, Italy, America, India, and Far East.

**UNIT – V FASHION ACCESSORIES:**

Shoes, handbags, jewellery, hats, ties and others. Prepare a picture album for accessories.

**UNIT – VI CURRENT CONTOURS (For continuous internal assessment only):**

1. Continuous Assessment Test I, II (Theory component)



2. Open Book Test, Cooperative Learning report, Assignment, Group Presentation, Mini Project, Poster Preparation
3. End Semester Exam.

#### **REFERENCES:**

1. Benneett, "Femina Book of Fashion", Coleman & Co., Ltd., Mumbai (1998)
2. Encyclopedia of fashion detail by Patric John, Ireland Batsford History of fashion by Manmeetsodhia, Kalyani Publication.
3. Valerie Campbell – Harding, Machine Embroidery – Stitch patterns, Kyodo Printing Co. Pvt. Ltd, Singapore, 2004.
4. Hanlyn octopus, Professional Skills made easy, Octopus Publishing group – New York, 2001.
5. Easy to make book vol:1-vol:18,Octopus Publishing group – New York, 2002
6. Indian Jewellery – M.L Nigam, Lustre Press Pvt Ltd ,India (1999)
7. Harriet T, McJimsey, "Art and fashion in clothing selection", The Iowa State University Press, Ames, Iowa.
8. Jeaneettee A. Jarnow, MiriarnGuerrerio, "Inside the Fashion Business", Mecmillion Publishing Company, New York
9. <https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=8x0nJkh/R0vHkX1U70Z/CQ>

#### **COURSE OUTCOMES:**

- Understand the psychological aspects behind fashion and style
- Analyze human anatomy and different types of body contour.
- Describe different facial figures features and postures.
- Illustrate male and female wear on Croqui and develop designer wears
- Acquaintancewith different types of accessories suitable for fashion garments

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**First Year**

**CORE PRACTICAL II  
SEWING TECHNIQUES**

**Semester II**

**Code:**

**(Practical)**

**Credit: 4**

**COURSE OBJECTIVES:**

- Learn the functions of the sewing and the applications of essential sewing tools
- Understand the components of garments
- Gain skills in garment sewing

**UNIT – I SEWING MACHINE & ITS PARTS:**

1. Parts of a Sewing Machine and their Function.
2. Threading a machine.
3. Demonstrating- operating, cleaning and oiling of sewing machine.
4. Demonstration of taking body measurement.
5. Common problems and methods to overcome.

**UNIT – II PREPARATION OF SEAMS, HEMS AND FULLNESS:**

1. Prepare samples for Seam & Seam Finishes
2. Prepare samples for Darts & Tucks
3. Prepare samples for Hems, Fullness – Tucks, Darts, Pleats, Ruffles, Godets, Gathers and Frills

**UNIT – III PREPARATION OF BINDING AND FASTENERS:**

1. Prepare samples for Facings and Binding,.
2. Prepare samples for Plackets and Yokes (any 2 types).

**UNIT – IV PREPARATION OF SKIRTS AND POCKET:**

1. Prepare samples for Pocket - Patch, Bound and Pocket set into Seam (any two).
2. Prepare samples for Skirts (Any 5 types)

**UNIT – V PREPARATION OF TRIMMINGS AND EMBROIDERY:**

1. Prepare samples for Trimming (any 2 types)
2. Prepare samples for appliques and mirror embroidery (Any 5 types)

**UNIT – VI CURRENT CONTOURS (For continuous internal assessment only):**

1. Regular Laboratory experiment
2. Group work
3. Internal tests
4. End Semester Exam

## REFERENCES:

1. Mary Mathews, Practical Clothing Construction Part-II. Designing, Drafting and Tailoring Bhattarams Reprographics (P) Ltd., Chennai, 1991.
2. The Technology of Clothing Manufacture – Harold Carr and Barbara Latham, Blackwell Science (1994)
3. A complete guide for sewing – Coles M Sew, Heinemann Professional Publishing, Singapore.
4. Reader's digest Sewing guide, Complete Guide to Sewing 13th Edition, The Reader's Digest Association Inc, and Pleasant Ville.
5. Pat Moyes, "Sewing Basics: Creating a Stylish Wardrobe with Step-by-step Techniques", Taunton Press, 1999
6. Edith Callahan, Edna, Callahan. M, Edith Barry, "Garment Construction", Wildside Press LLC, 2008.
7. Zarpakar K.R, System of Cutting, Navneet Publications India 2005.
8. Practical cutting and tailoring part II Eshwasri Anwahi, Lakhraj Hans R.B Publications, Delhi
9. <http://epgp.inflibnet.ac.in/Home/ViewSubject?catid=827>
10. <https://www.fibre2fashion.com/industryarticle/5658/basics-of-pattern-making>

## COURSE OUTCOMES:

- Describe the functions of a sewing machine and the tools needed for sewing
- Develop different component of the garments
- Understand the techniques of finishing garments
- Acquire skills in constructions of fashion garments
- Apply different types of trimmings and embroideries in garment enhancement

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**First Year**

**FIRST ALLIED PRACTICAL  
SURFACE EMBELLISHMENT**

**Semester II**

**Code:**

**(Practical)**

**Credit: 2**

**COURSE OBJECTIVES:**

- Understand and identify the colour combinations for basic embroidery stitches.
- Develop and create new designs for advance stitches.
- Interpret the different techniques of other surface embroidery with basic and advanced embroidery.

**UNIT – I BASIC HAND STITCHES:**

1. Running – Whipped Running Stitch, Threaded Running Stitch
2. Hemming
3. Back Stitch - Whipped Back Stitch, Threaded Back Stitch

**UNIT – II BASIC EMBROIDERY STITCHES:**

1. Chain stitch – Magic Chain Stitch
2. Button Hole Stitch
3. Stem Stitch
4. Lazy Daisy Stitch - Lazy Daisy with Straight Stitch
5. Satin – Slanting Satin Stitch.

**UNIT – III ADVANCED EMBROIDERY STITCHES:**

1. French Knot
2. Bullion Knot
3. Feather – Double Feather Stitch, Closed Feather Stitch
4. Herring bone – Threaded Herring Bone Stitch
5. Cross Stitch

**UNIT – IV SURFACE EMBROIDERY:**

1. Bead work
2. Sequin work
3. Ribbon embroidery
4. Mirror work

**UNIT - V: APPLIQUE & PATCH WORK:**

1. Applique
2. Simple / Geometric patch work
3. Crazy patch work

## **UNIT – VI CURRENT CONTOURS (For continuous internal assessment only):**

1. Regular Laboratory experiment
2. Group work
3. Internal tests
4. End Semester Exam

### **REFERENCES:**

1. Libby Moore, Thread Folk: A Modern Makers Book of Embroidery Projects and Artist Collaborations, Paige Tate & Co, 2019
2. Shailaja D Naik , Traditional Embroideries of India, APH Publishing, 1996
3. Shailaja D Naik , Traditional Embroideries of India, APH Publishing, 1996
4. Libby Moore, Thread Folk: A Modern Makers Book of Embroidery Projects and Artist Collaborations, Paige Tate & Co, 2019
5. Megan Eckman, Everyday Embroidery for Modern Stitchers, C&T Publishing, 2020
6. Megan Eckman, Everyday Embroidery for Modern Stitches', C&T Publishing, 2020
7. <https://www.youtube.com/watch?v=nJz9c8gEvFg>
8. [https://www.youtube.com/watch?v=uJ2SyeFA\\_B4](https://www.youtube.com/watch?v=uJ2SyeFA_B4)
9. <https://www.youtube.com/watch?v=Ug2d1NUuE4A>
10. <https://www.youtube.com/watch?v=nJz9c8gEvF>

### **COURSE OUTCOMES:**

- Acquire ability of designing embroidery for different stitches.
- Enable design creation in embroidery based on themes
- Identifying stitches and their applications
- Apply various colour schemes in embroidery to enhance dress making.
- Elaborate the techniques to create different stitch variations.

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**COURSE OBJECTIVES:**

- Acquire skills on types of patterns making techniques.
- Learn pattern alteration skills and means of achieving garment fitting.
- Understand pattern grading and alteration techniques

**UNIT – I FABRIC PREPARATION & LAYOUT PLANNING:**

Fabric preparation: \*Preparing the fabric for cutting, Importance of grain in fabric cutting and garment construction. Methods of straightening fabric grains. Lay planning Introduction, Rule to remember in pattern layout. Types of layout. Transferring pattern markings stay stitching, ease stitching.

**UNIT – II PATTERN DRAFTING:**

Preparation of paper patterns. Advantages of paper pattern. Pattern drafting with personal measurement. Principles for pattern drafting. Preparing draft for basic bodice, sleeve and skirt pattern

**UNIT – III FLAT PATTERN TECHNIQUES:**

Definition, Pivot method, Slash & spread method, measurement method. Creating styles through dart manipulation and relocation of dart.

**UNIT – IV COMMERCIAL PATTERN AND PATTERN GRADING:**

Commercial pattern: \*Definition, merits and demerits, Development of commercial pattern. Pattern Grading: Definition, Grading terminology, selecting a grading system, grading techniques, their advantages and disadvantages. Computer grading. Grading procedures. Grading of basic block using draft grading systems.

**UNIT – V PATTERN ALTERATION, GARMENT FITTING AND ASSEMBLING:**

Pattern alteration: Methods of identifying pattern alteration. General principles for pattern alteration. Common pattern alteration in a fitted bodice pattern. Garment fitting and Assembling: Standards for a good fit, checking for good fit, solving fitting problems and remedies.

**UNIT – VI CURRENT CONTOURS (For continuous internal assessment only):**

1. CIA Internal tests 2. Assignment 3. Seminars 4. Poster Making

## REFERENCES:

1. Winifred Aldrich, "Metric Pattern Cutting" – Third Edition, Blackwell Science, 2003.
2. Bane Allyne, "Flat Pattern Design", McGraw Hill, USA, 2002.
3. Goulborn Margaitha, "Introducing Pattern Cutting, Grading and Modeling", Batsford Publication, UK, 2000.
4. Connie Amaden-Crawford (2004) The Art of Fashion Draping 3rd edition, Bloomsbury Academic. 2. Hilary Campbell, Designing Patterns, Om Book services, New Delhi, 2003.
5. Kathryn Mokelvey, Janine Munslow, Fashion Design Process, Innovation and Practice, Black Well Science Ltd, U.K, 2005. Involve
6. Concepts of Pattern Grading, Kathy K. Mullet, Bloomsburry Publications, London, 2015
7. <http://mooc.live/sewing-for-beginners-online-course/>
8. <http://www.universityoffashion.com/>
9. <https://www.fibre2fashion.com/industry-article/5658/basics-of-pattern-making>
10. <https://fashion2apparel.blogspot.com/2017/03/pattern-grading-methods-apparel.html>

## COURSE OUTCOMES:

- Define the pattern making techniques and classify type of layouts.
- Explain the drafting procedures and techniques
- Choose the flat pattern techniques best suited for fashion designing
- Understand the concepts of pattern grading techniques
- Identify the methods of pattern alteration

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