

SEMESTER -I

| CODE | COURSE TITLE |
|-----------|-------------------------|
| 18CFUC101 | FUNDAMENTALS OF APPAREL |

| Category | CIA | ESE | L | T | P | Credit |
|----------|-----|-----|----|---|---|--------|
| Core | 25 | 75 | 56 | 4 | - | 4 |

Course Outcomes

On the successful completion of the course, students will be able to

| CO Number | CO Statement |
|-----------|---|
| CO1 | Acquire knowledge on the essential tools in garment construction, seam, seam finishes and hem |
| CO2 | To define, classify and interpret the types of fullness and neck finishes |
| CO3 | To define, categorize, types of plackets and fasteners |
| CO4 | To learn the types of sleeves and yoke and its application |
| CO5 | To explain about the types of collar and placket |

Syllabus

UNIT I

(12 hrs.)

Essential Tools: Cutting Tools - Measuring Tools - Marking Tools - General Tools - Pressing Tools - Parts and Functions of a Single Needle Machine. Seams and Seam Finishes: Types - Working of Seams and Seam Finishes. Hems – Types, Stitches Used.

UNIT II

(12 hrs.)

Fullness: Definition - Types - Darts, Tucks, Pleats, Flares and Godets, Gathers and Shirrs, Frills or Ruffles, Flounces. Neck Finishes - Facings – Bias Facing, Shaped Facing and Decorative Facing. Binding –Single Bias Binding, Double Bias Binding.

UNIT III

(12 hrs.)

Plackets:Definition - Characteristics of a Good Placket - Types – Inconspicuous Plackets and Conspicuous Plackets - Constructing Method of the Same. Fasteners: Conspicuous - Button and Button Holes, Button Loops, Button with Holes, Shank Buttons, Eyelets and Cords. Inconspicuous Buttons - Press Buttons, Hooks and Eyes, Zips.

UNIT IV

(12 hrs.)

Sleeves: Definition - Types, Set –In – Sleeves- Plain Sleeve, Puff Sleeves, Bishop Sleeve, Bell Sleeve, and Circular. Modified Armhole – Squared Armhole, Cap Sleeve and Magyar Sleeve. Sleeve and Bodice Combined - Raglan, Kimono and Dolman.

Yokes – Partial, Midriff yoke, Yoke Supporting Fullness, Yoke Realising Fullness

UNIT V

(12 hrs.)

Collars: Definition – Types - Peter Pan, Scalloped, Puritan, Sailor, Square, Rippled, Full Shirt Collar, Open Collar, Chinese, Turtle Neck, Shawl Collar.

Pockets:Types – Patch Pocket, Bound Pocket, Pocket a Seam, Front Hip Pocket.

Reference Books

| Sl.No. | Author Name | Title of the Book | Publisher | Year and Edition |
|--------|---------------|---|--------------------------------|------------------|
| 1. | Mary Mathews | Practical Clothing Construction- Part I andII | Cosmic Press, Chennai | Reprinted, 2014 |
| 2. | SeemaKapoor | Apparel manufacturing technology | Sonali publications, new Delhi | First, 2016 |
| 3 | Kamal khurana | Draping and pattern making for fashion design | Sonali publications, new Delhi | First, 2012 |
| 4 | Nancy | 501 sewing hints | Oxmoorhouse,USA | First,1995 |

Web Resources

<http://www.sewmamasew.com/2008/05/seam-finishes-simplified/>

<https://blog.colettehq.com/tutorials/6-ways-to-finish-the-edge-of-your-hem>

<https://www.textileschool.com/498/types-of-plackets/>

<https://sewguide.com/sleeve-types/>

<https://sewguide.com/different-types-of-pockets/>

Pedagogy

Lecture, PPT, Assignment, Seminar

SEMESTER -I

| CODE | COURSE TITLE |
|-----------|-------------------------------------|
| 18CFUCP01 | FUNDAMENTALS OF APPAREL – PRACTICAL |

| Category | CIA | ESE | L | T | P | Credit |
|----------|-----|-----|---|---|----|--------|
| Core | 20 | 30 | - | - | 60 | 2 |

Course Outcomes

On the successful completion of the course, students will be able to

| CO Number | CO Statement |
|-----------|--|
| CO1 | Construct the Seam, Seam Finishes & Hems |
| CO2 | Develop samples for Fullness, Facing & Binding |
| CO3 | Construct samples for Sleeve, Plackets & Fasteners |
| CO4 | Design samples for Yoke and Collar |
| CO5 | Prepare samples for Pocket & Surface Trimmings |

Syllabus

| | |
|---|------------------|
| UNIT I | (12 hrs.) |
| 1. Preparation of Samples for Seams and Seam Finishes. (any four) | |
| 2. Preparation of Samples for Hems. (any two) | |
| UNIT II | (12 hrs.) |
| 3. Preparation of Samples for Fullness. (any four) | |
| 4. Preparation of Samples for Facings and Binding.(any two) | |
| UNIT III | (12 hrs.) |
| 5. Preparation of Samples for Plackets and Fasteners. (any four) | |
| 6. Preparation of Samples for Sleeve.(any four) | |
| UNIT IV | (12 hrs.) |
| 7. Preparation of Samples for Yoke. (any two) | |
| 8. Preparation of Samplesfor Collar.(any two) | |
| UNIT V | (12 hrs.) |
| 9. Preparation of Samples for Pocket. (any two) | |
| 10. Prepare Samples for Surface Trimmings. (any four) | |
| A. RicRac | |

- B. Appliqué
- C. Smocking
- D. Belts
- E. Bows

F. Fringes & Tassels

| Reference Books | | | | |
|------------------------|--------------------|---|--------------------------------|-------------------------|
| Sl.No. | Author Name | Title of the Book | Publisher | Year and Edition |
| 1. | Mary Mathews | Practical Clothing Construction - Part I and II | Cosmic Press, Chennai | Reprinted ,2014 |
| 2. | Seema Kapoor | Apparel manufacturing technology | Sonali publications, new Delhi | First, 2016 |
| 3 | Kamal khurana | Draping and pattern making for fashion design | Sonali publications, new Delhi | First, 2012 |
| 4 | Nancy | 501 sewing hints | Oxmoorhouse,USA | First,1995 |

Pedagogy

Demonstration, Application Techniques and Sample Preparation.

SEMESTER-I

| CODE | COURSE TITLE |
|-----------|----------------------------------|
| 18CFUCP02 | FASHION ILLUSTRATION – PRACTICAL |

| Category | CIA | ESE | L | T | P | Credit |
|----------|-----|-----|---|---|----|--------|
| Core | 20 | 30 | - | - | 60 | 2 |

Course Outcomes

On the successful completion of the course, students will be able to

| CO Number | CO Statement |
|-----------|--|
| CO1 | Acquire knowledge about fashion sketching |
| CO2 | Illustrate various garment components |
| CO3 | Demonstrate stick figure in different poses |
| CO4 | To understand the techniques for facial features |
| CO5 | Design garment designs on head theory figures |

Syllabus

UNIT I

(12 hrs.)

Prepare Sketches for The Following:

1. Different Types of Collars.
2. Different Types of Sleeves
3. Different Types of Necklines

UNIT II

(12 hrs.)

4. Different Types of Skirts
5. Different Types of Ladies Tops
6. Different Types of Shirt.

UNIT III**(12 hrs.)**

7. Different Types of Pant (Half and Full).
8. Different Types of Churidhars

UNIT IV**(12 hrs.)**

9. Different Types of Accessories – Bags, Footwear, Hats Etc.,
10. Different Types of Ornaments.

UNIT V**(12 hrs.)**

11. Facial Features – Eyes, Nose, Lips, Ears.
12. Face, Hands, Legs – Different Positions.
13. Lay Figure - 7½ Head.
14. Fashion Figure – 8, 10, 12 Head.

Reference Books

| Sl.No. | Author Name | Title of the Book | Publisher | Year and Edition |
|---------------|----------------------|---|-----------------------------------|-------------------------|
| 1. | BinaAbling | Fashion Sketch Book | Fair Child Publication | Fourth,2004 |
| 2. | BinaAbling | Advanced Fashion Sketch Book | Fair Child Publication | Reprinted,2005 |
| 3. | StevenStipleman | Illustrating Fashion | Fair Child Publication | Reprinted, 2005 |
| 4 | Patrick John Ireland | Fashion design drawing and presentation | Om books international, new delhi | Reprinted, 2005 |

Pedagogy

PPT, Assignment, Illustration,

SEMESTER-I

| CODE | COURSE TITLE |
|-----------|----------------------------|
| 18CFUA101 | PATTERN MAKING AND GRADING |

| Category | CIA | ESE | L | T | P | Credit |
|----------|-----|-----|----|---|---|--------|
| Allied | 25 | 75 | 57 | 3 | - | 5 |

Course Outcomes

On the successful completion of the course, students will be able to

| CO Number | CO Statement |
|-----------|--|
| CO1 | Define and classify the patterns and memorize the steps involved in taking body measurement |
| CO2 | Develop patterns using measurements for various garment components. |
| CO3 | Gain knowledge in pattern layout planning and preparation of construction flow for apparel production |
| CO4 | Acquire knowledge on the techniques involved in pattern alteration and grading for various body measurements |
| CO5 | Recognize and identify the fitting problems in the garment |

Syllabus

UNIT I

(12 hrs.)

Body Measurements: Importance - Preparing for Measuring - Ladies Measurements - Boys and Men's Measurements. Standardizing Body Measurements – Importance - Techniques Used. Relative Length and Girth Measures in Ladies / Gentlemen.

Preparation Of Fabric For Cutting – Importance of grain in cutting and construction - Steps in preparing the fabric for cutting.

UNIT II

(12 hrs.)

Pattern Making: **Methods of Pattern Making** – (Drafting and Draping), Merits and Demerits. Types of Paper Patterns - Patterns for Personal Measurements and Commercial Patterns. Principles of Pattern Drafting. Pattern Details. Steps in drafting basic bodice front, back and Sleeve.

UNIT III

(12 hrs.)

Dart Manipulation: Styles created by shifting of blouse darts - Adding fullness to the bodice,

converting darts to seams and partial yokes and incorporating darts into seams forming yokes.
 Fitting – Standards of a Good Fit - Steps in Preparing a Blouse for Fitting - Checking the Fit of a Blouse - Solving Fitting Problems in a Blouse - Fitting Techniques.

UNIT IV

(12 hrs.)

Pattern Alteration & Grading: Importance of altering patterns - General principles for pattern alteration, Common pattern alteration in a blouse.

Pattern Grading – Definition - Types, Manual – Master Grades, Basic Front, Basic Back, Basic Sleeve, Basic Collar and Basic Grading.

UNIT V

(12 hrs.)

Pattern Layout: Definition - Purpose, Rules in layout - Types of Layout (Methods) - Layouts for Lengthwise Striped Designs, Fabric with Bold Designs, Asymmetric Designs, One Way Designs, Concealing the cloth in insufficient. Fabric Cutting - Transferring Pattern Markings - Stay stitching and ease stitching.

Reference Books

| Sl.No. | Author Name | Title of the Book | Publisher | Year and Edition |
|--------|--------------|---|--|------------------|
| 1. | Mary Mathews | Practical Clothing Construction – Part I & II | Cosmic Press, Chennai | Reprinted, 2014 |
| 2 | Zarapker | Zarapker System of Cutting | K. R, Navneet Publications Ltd, Mumbai | Reprinted, 2012 |
| 3 | Kamalkhurana | Draping and pattern making for fashion design | Sonali publications, new delhi | First, 2012 |
| 4 | Gerrycooklin | Pattern grading for men's clothes | Om book services | Second, 2001 |

Web Resources

<https://www.clothingpatterns101.com/body-measurements.html>

<http://textilelearner.blogspot.com/2014/03/garments-pattern-making-methods.html>

<http://isntthatsew.org/dart-manipulation/>

<https://www.clothingpatterns101.com/pattern-grading.html>

<https://www.thesprucecrafts.com/transfer-pattern-markings-types-tools-used-2978447>

Pedagogy

Lecture, PPT, Assignment, Group Discussion, Seminar

SEMESTER - II

| CODE | COURSE TITLE |
|-----------|-------------------------|
| 18CFUC202 | PRINCIPLES OF DESIGNING |

| Category | CIA | ESE | L | T | P | Credit |
|----------|-----|-----|----|---|---|--------|
| Core | 25 | 75 | 41 | 4 | - | 4 |

Course Outcomes

On the successful completion of the course, students will be able to

| CO Number | CO Statement |
|-----------|--|
| CO1 | To understand the basics of design, types of design and, requirement, elements and their classification. |
| CO2 | Apply the design and their principle; apply the principles of design in garment. |
| CO3 | To interpret the color theories and dimension apply the principle of colour in garment design and standardized colour harmonies. |
| CO4 | To be aware of trimming and decoration and its type and classifications. |
| CO5 | Summarize the figure irregularities and their classification, wardrobe planning and how to select according to age group. |

Syllabus

UNIT I (9 hrs.)

Design: Definition, Types – Structural and Decorative Design and their Requirements, Elements of Design – Line, Shape, Colour, Size, and Texture.

UNIT II (9 hrs.)

Principles of Design: Balance, Rhythm, Emphasis, Harmony and Proportion. Application of Principles of Design in Dress.

UNIT III (9 hrs.)

Colour: Definition, Colour Theories – Prang and Munsell Colour System. Dimensions of Colour, Hue, Value and Intensity Standard Colour Harmonies and The Design Principles Applied to Colour In Dress Design.

UNIT IV (9 hrs.)

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

UNIT V**(9 hrs.)**

Wardrobe:Wardrobe Planning, Factors to Be Considered While Selecting Clothes for Different Age Groups (Men, Women and Children). Selection of clothing for maternity period, old age, and working women.

Reference Books

| Sl.No. | Author Name | Title of the Book | Publisher | Year and Edition |
|--------|-----------------------|---|--|------------------|
| 1. | BinaAbling | Fashion Sketch Book | Fair Child Publications, New York | Fourth, 2005 |
| 2. | Susheeladantysi | Fundamentals of Textiles and Their Care | Orient Longman Ltd, NewDelhi | Fifth,2002 |
| 3. | Heannette A Jarnow ET | Inside Fashion Business | A1, Macmillan Publishing Company, New York | Seventh,2007 |
| 4 | Karenhemingway | The encyclopedia of stitches | Newholland publishers, london | First, 2004 |

Web Resources

<http://en.wikipedia.org/wiki/Design>

<http://www.slideshare.net/erinsmith.art/principles-of-design-252201>

<http://www.thefreedictionary.com/color>

[http://en.wikipedia.org/wiki/Trim_\(sewing\)](http://en.wikipedia.org/wiki/Trim_(sewing))

http://www.b-u.ac.in/sde_book/fashion_sew.pdf

Pedagogy

Lecture, PPT, Assignment, Seminar,

SEMESTER - II

| CODE | COURSE TITLE |
|-----------|-------------------------------------|
| 18CFUCP03 | PRINCIPLES OF DESIGNING – PRACTICAL |

| Category | CIA | ESE | L | T | P | Credit |
|----------|-----|-----|---|---|----|--------|
| Core | 20 | 30 | - | - | 45 | 2 |

Course Outcomes

On the successful completion of the course, students will be able to

| CO Number | CO Statement |
|-----------|---|
| CO1 | Acquire knowledge about principles of design in dress |
| CO2 | Apply prang colour chart |
| CO3 | Analyze the standard colour harmonies |
| CO4 | Demonstrate the figure irregularities |
| CO5 | Illustrate different types of facial features |

Syllabus

UNIT I

(23 hrs.)

1. Prepare the Samples for The Following
 - a) Application of Principles of Design in Dress Design.
 - b) Prang Colour Chart.
 - c) Value Chart
 - d) Intensity Chart.

Standard Colour Harmonies

UNIT II

(22 hrs.)

1. Designing Dresses for Figure Irregularities – Becoming and Unbecoming
 - a) Stout and Thin Figure.
 - b) Narrow Shoulders, Broad Shoulders, Round Shoulders
 - c) Large Bust, Flat Chest
 - d) Large Hip, Large Abdomen

Round Face, Large Face, Small Face, Prominent Chin and Jaw, Prominent Forehead

Reference Books

| Sl.No. | Author Name | Title of the Book | Publisher | Year and Edition |
|---------------|-----------------------|---|--|-------------------------|
| 1. | BinaAbling | Fashion Sketch Book | Fair Child Publications, New York | Fourth ,2005 |
| 2. | Susheeladantysi | Fundamentals of Textiles and Their Care | Orient Longman Ltd, NewDelhi | Fifth,2002 |
| 3. | Heannette A Jarnow ET | Inside Fashion Business | A1, Macmillan Publishing Company, New York | Seventh,2007 |
| 4 | Karenhemingway | The encyclopedia of stitches | Newholland publishers, london | First, 2004 |

Pedagogy

Lecture, PPT, Assignment, Illustration

SEMESTER - II

| CODE | COURSE TITLE |
|-----------|--|
| 18CFUCP04 | DESIGNING AND MANUFACTURING CHILDREN'S APPAREL – PRACTICAL |

| Category | CIA | ESE | L | T | P | Credit |
|----------|-----|-----|---|---|----|--------|
| Core | 60 | 40 | - | - | 90 | 2 |

Course Outcomes

On the successful completion of the course, students will be able to

| CO Number | CO Statement |
|-----------|---|
| CO1 | Acquire knowledge about basic pattern making for garments |
| CO2 | Apply layouts |
| CO3 | Analyze the garment costs |
| CO4 | Illustrate of children's garment designs |
| CO5 | Construction of garment. |

Syllabus

UNIT I (22 hrs.)

Designing, Drafting and Constructing the Following Garments for the Features Prescribed.

UNIT II (22 hrs.)

List the Measurements Required and Materials Suitable

Calculate the Cost of the Garment Calculate the Material Required – Layout Method And Direct Measurement Method.

UNIT III (23 hrs.)

1. Infant Dresses: -

- A) Bonnet - With Knotting or Velcro.
- B) Bib - Variation in Out Line Shapes.
- C) Jabla - With or Without Sleeve Any Neck Variation, With or Without Open.
- D) Panties / Knicker - With or Without Elastic, With or Without Open

E) Baby Bed Set - Quilting

UNIT IV

(23hrs.)

2. Toddlers Dress

A) A- Line Petticoat - Neck and Armhole with Facing With/Without Strap, With/Without Gathers.

B) Summer Frock - With Suspenders at Shoulder Line, Without Sleeve/Collars

C) Yoke Frock - Yoke at Chest Line, Open Sleeve.

D) Romper/Sun Suit - Without Sleeve, With/Without Elastic at Thigh.

Reference Books

| Sl.No. | Author Name | Title of the Book | Publisher | Year and Edition |
|--------|------------------------|--|--------------------------------------|------------------|
| 1. | Mary Mathews | Practical clothing construction I and II | Comic press, Chennai | Reprinted, 2014 |
| 2. | Zarapkar | Zarapkar System of Cutting | K.R.Navneet Publications Ltd, Mumbai | Reprinted, 2012 |
| 3 | Maggi McCormick Gordon | The ultimate sewing book | Collins and brown ltd, london | First, 2002 |
| 4 | Premlatha Mullick | Garment construction skills | Kalyani publishers, ludhiana | Reprinted, 2010 |

Pedagogy

Lecture, PPT, Illustration, Designing, Garment Construction

SEMESTER - II

| CODE | COURSE TITLE |
|-----------|------------------------------------|
| 18CFUA202 | TECHNOLOGY OF CLOTHING MANUFACTURE |

| Category | CIA | ESE | L | T | P | Credit |
|----------|-----|-----|----|---|---|--------|
| Allied | 25 | 75 | 57 | 3 | - | 5 |

Course Outcomes

On the successful completion of the course, students will be able to

| CO Number | CO Statement |
|-----------|---|
| CO1 | Acquire knowledge on machineries used in garment construction |
| CO2 | To interpret the classification and function of sewing machine |
| CO3 | Ability to understand the features of sewing needles and fabric handling |
| CO4 | Describe the basic principles of working of different types of cutting machineries used in apparel production |
| CO5 | Develop skill in setting and adjustment parts of sewing machines |

Syllabus

UNIT I

(12 hrs.)

Sewing Machineries: **Classifications of Sewing Machines** - Parts and Functions of A Single Needle Machine - Double Needle Machine - Over Lock Machine - Bar Tacking Machine - Button Hole Making Machine - Button Fixing Machine - Feed – Of – Arm Machine - Blind Stitching Machine - Fabric Examining Machine.

UNIT II

(12 hrs.)

Stitching Mechanism: Needles, Bobbin and Bobbin Case, Bobbin Winding, Loops and Loop Spreader, Threading Finger, Upper and Lower Threading, Auxiliary Hooks, Throat Plates, Take-Ups, Tension Discs – Upper and Lower Thread Tension, Stitching Auxiliaries - Pressure Foot and Its Types - Feed Mechanisms – Drop Feed. Special Attachments - Care and Maintenance - Common Problems and Remedies.

UNIT III

(12 hrs.)

Spreading & Marking: Types of Spread and Its Quality - Spreading Equipment and Tools Used For Spreading - Spreading Methods. Marking Methods - Positioning Marking - Types of Markers - Efficiency of a Marker Plan and Requirements of Marker Planning.

UNIT IV**(12 hrs.)**

Cutting Technology: Definition - Function - Scope. Cutting Equipment and Tools - Vertical Reciprocity Cutting Machine - Rotary Cutting Machine - Band Knife Cutting Machine - Die – Cutters.

UNIT V**(12 hrs.)**

Pressing Equipment's: Purpose - Pressing Equipment's and Methods – Iron, Steam Press, Steam Air Finisher and Steam Tunnel. Special Types – Pleating, Permanent Press

Reference Books

| Sl.No. | Author Name | Title of the Book | Publisher | Year and Edition |
|--------|---------------------------------|--|--|------------------|
| 1. | Harold Carr And Barbara Latham, | The Technology Of Clothing Manufacture | Blackwell Science Publishing, New Delhi | Second, 2004 |
| 2. | Ruth F Glock, Grace I Kunz | Apparel manufacturing | Pearsons India Education Services Pvt Ltd | Fourth, 2014 |
| 3. | The Readers Digest Association | Readers Digest Sewing Guide, Complete Guide To Sewing, | The Readers Digest Association Inc, Pleasant Ville | Thirteen, 1997 |
| 4 | Dorling Kindersely | The complete book of sewing | Dorling Kindersely ltd | Second, 2003 |

Web Resources

<http://textilelearner.blogspot.in/2012/11/parts-of-sewing-machine-and-their.html>

<http://www.kiteguy.info/resources/Needles.pdf>

<http://textilelearner.blogspot.in/2014/01/configuration-of-spreading-systems-used.html>

<http://textilelearner.blogspot.in/2012/07/cutting-fabric-requirements-of-cutting.html>

<http://textilelearner.blogspot.in/2012/02/process-sequence-of-garments.html>

Pedagogy

Lecture, PPT, Assignment, Group Discussion, Seminar, Industrial visit