

ENVIRONMENTAL STUDIES-I

Course Code	CD-3001 (Common in All Branches of Non Engineering)
Course Title	Environmental Studies-I
Number of Credits	2(L-2 T-0, P-0)
Prerequisites	None

Course Objectives

Environmental study is a subject as per directions of Supreme Court / Govt. of India. Under Act. 51 A (g) of our constitution it is our fundamental duty to protect our environment.

A diploma holder must have knowledge of different types of pollution so that she may help in balancing the eco system and controlling pollution by pollution control measures. She should also be aware of environmental laws related to the control of pollution.

Course Outcomes

After completing the course the Learner will

- Understand the importance of Environmental cleanliness
- Gain knowledge about the causes of Water and Air pollution ,their effects and methods to check the same.
- Have the knowledge of different types of solid waste and their management techniques.

COURSE CONTENTS**1. General :**L
3

- 1.1 Biotic and abiotic environment.
- 1.2 Adverse effects of Environmental Pollution
- 1.3 Control strategies

2. Water Pollution :

7

- 2.1 Water Quality Standards
- 2.2 Surface and underground water sources
- 2.3 Impurities in water and their removal
- 2.4 Adverse effects of domestic waste water and industrial effluent to surface water sources
- 2.5 Self purification of streams

3. Air Pollution :

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- 3.1 Sources of air contaminants
- 3.2 Adverse effects on human health
- 3.3 Measures to check air pollution
- 3.4 Greenhouse effect
- 3.5 Global warming
- 3.6 Acid rain
- 3.7 Ozone depletion

4. Solid Waste Management :

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- 4.1 Introduction to solid waste
- 4.2 Its collection and disposal
- 4.3 Recovery of resources
- 4.4 Sanitary land-filling

- 4.5 Vermi-composting
4.6 Hazardous waste management

REFERENCE BOOKS :

1. Patyavaran Shiksha & Dr. V.K. Vijay Dr. A.N. Mathur, Dr. N.S. Rathore
2. Patyavaran Adhyayan Dr. B.C. Jat Dr. Ram Kumar Gujar
3. Patyavaran Avabodh Dr. D.D. Ojha
4. Environmental chemistry and pollution control : S.S. Dora
5. Ecology concepts and application : Manuel C. Muller
6. Environmental protection Emil T. Chanlett
7. Environmental science Cumingham. Saigo
8. Solid waste management : C.I.. Mantell
9. पर्यावरण विनाश के कगार पर राजीव गुप्ता
11. पर्यावरण जीवों का आंगन प्रेमानन्द चंदोला
12. पर्यावरण (त्रैमासिक) पर्यावरण एवं वन मंत्रालय, नई दिल्ली
13. Panda, New letter WWF-India, New Delhi

SEMESTER SCHEME

FABRIC STUDIES-I

Course Code	CD 3002
Course Title	Fabric Studies - I
Number of Credits	5 (L-5,T-0,P-0)
Prerequisites	None

COURSE LEARNING OBJECTIVES

This course provides a basic idea about fiber, Yarn & Fabric to the student of Costume Design & Dress Making, which work as a canvas for the Dress Designer.

SUBJECT LEARNING OUTCOMES [SLOs]

After completing this subject, the learner will be able to :-

- Understand the type of fibre & how these convert into yarn to various types of fibre.
- Describe the different types of fibre, Yarn and fabrics.
- Will be able to differentiate among different types of textile by knowing their properties.

COURSE CONTENTS

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|---|-------------|
| <p>1. TEXTILE FIBRES.</p> <p>1.1 Meaning and definition of fibre.</p> <p>1.2 Classification of fibre.</p> <p>1.3 Introduction, properties and use of following fibre.</p> <p style="padding-left: 20px;">1.3.1 Natural</p> <p style="padding-left: 40px;">1.3.1.1 Animal :- Silk , wool.</p> <p style="padding-left: 40px;">1.3.1.2 Plant/vegetable :- Cotton & Linen</p> <p style="padding-left: 40px;">1.3.1.3 Minerals :- Asbestos, Ceramic.</p> <p style="padding-left: 20px;">1.3.2 Man-Made</p> <p style="padding-left: 40px;">1.3.2.1 Polyamides (Nylon)</p> <p style="padding-left: 40px;">1.3.2.2 Rayon</p> <p style="padding-left: 40px;">1.3.2.3 Acetate</p> <p style="padding-left: 40px;">1.3.2.4 Polyester</p> | 26 H |
| <p>2. YARN CONSTRUCTION.</p> <p>2.1 Properties of different types of yarns used in cloth industry.</p> <p>2.2 Yarn count, Twist & Count measuring system.</p> <p>2.3 Types of Yarn:- Simple and novelty yarn.</p> | 20 H |
| <p>3. FABRIC CONSTRUCTION.</p> <p>3.1 Elementary weaving Theory.</p> <p>3.2 Fabric structure.</p> <p style="padding-left: 20px;">3.2.1 Woven Fabric</p> <p style="padding-left: 20px;">3.2.2 Knitted Fabric</p> <p style="padding-left: 20px;">3.2.3 Nonwoven Fabric</p> | 19 H |

REFERENCES /SUGGESTED LEARNING RESOURCES:

- | | |
|---|-------------------------|
| 1. Textile Design & Color: | Watson |
| 2. Fundamental of textile and their care: | Susheela Dhantiyagi |
| 3. Fibre to Fabrics: | Carbman |
| 4. Textile fabrics & Their uses: | Katherine Paddock. Hess |

HISTORIC COSTUMES

Course Code	CD 3003
Course Title	Historic Costumes
Number of Credits	5 (L-5,T-0, P-0)
Prerequisites	None

COURSE LEARNING OBJECTIVES

This course will help students to perceive the importance of historical accuracy in costume designing. They will also learn about heritage and influence of historical costumes on latest trends.

SUBJECT LEARNING OUTCOMES [SLOs]

After completing this subject, the learner will be able to :-

- Explain the significance of historical costumes as a source of research for developing new designs and collections.
- Understand evolution of costumes from ancient civilization to modern trends.
- Use and illustrate appropriate technical terminology related to fashion and costumes.

COURSE CONTENTS

- STUDY OF ANCIENT INDIAN COSTUMES DURING THE FOLLOWING PERIOD:** **22 H**
 - Indus Valley.
 - Vedic Period.
 - Gupta Period.
 - Mughal Period.
 - British Period.
- STUDY OF WORLD COSTUMES:** **18 H**
 - Egyptian.
 - Greece.
 - Roman.
- TRADITIONAL COSTUMES OF INDIAN STATES.** **25H**
 - North Zone- Punjab, Jammu and Kashmir and Rajasthan.
 - East Zone- Assam, West Bengal.
 - West Zone- Maharashtra, Gujarat.
 - South Zone- Tamilnadu, Karnataka.

REFERENCES /SUGGESTED LEARNING RESOURCES:

- Visit to museum and historical monuments.
- Costumes of India:
- History of Fashion:
- Costumes and Fashion 4e:

Dorris Flyn, Oxford & IBH Publication.
Manmeet Sodhia
James Laver

DRAFTING AND GARMENT CONSTRUCTION - III

Course Code	CD 3004
Course Title	Drafting and Garment Construction - III
Number of Credits	3 (L-3,T-0, P-0)
Prerequisites	None

COURSE LEARNING OBJECTIVES

This course will help students to learn Drafting, Drafting Instructions and Layout of Ladies Garments.

SUBJECT LEARNING OUTCOMES [SLOs]

After completing this subject, the learner will be able to :-

- Draft Basic Blocks of Ladies Garments.
- Understand the Drafting Techniques.
- Use the appropriate Drafting Techniques.
- Layout of garments on various fabrics.

COURSE CONTENTS

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|---|-------------|
| 1. MEASUREMENT CHART FOR LADIES: | 04 H |
| 2. DRAFTING FOR LADIES GARMENTS WITH INSTRUCTIONS: | 10 H |
| 2.1 Basic Bodice block. | |
| 2.2 Sleeve Block. | |
| 2.3 Hip Block. | |
| 3. DRAFTING WITH INSTRUCTION AND LAYOUT OF FOLLOWING GARMENTS. | 20H |
| 3.1 Top. | |
| 3.2 Skirt –A-line, Flared, Pleated/Gathered. | |
| 3.3 Plain Blouse. | |
| 3.4 Night Gown. | |
| 4. FITTING PROBLEMS IN LADIES GARMENTS AND THEIR REMEDIES. | 05 H |

REFERENCES /SUGGESTED LEARNING RESOURCES:

- | | |
|--------------------------------------|-------------------------|
| 1. Cutting and Tailoring –Part -1-2 | Ishwari & Anwani |
| 2. Pattern Making for Fashion Design | Helen Joseph Armstrong. |
| 3. Zarpkar System of Cutting: | Zarpkar |

ADVANCED FASHION ILLUSTRATION - I LAB

Course Code	CD 3005
Course Title	Advanced Fashion Illustration - I Lab
Number of Credits	2(L-0,T-0, P-4)
Prerequisites	None

COURSE LEARNING OBJECTIVES

This course reflects the students Capabilities in the field of Fashion. Give students the idea and training on figure drawing and drawing with added knowledge of fabric interpretation and enhance their own personal style.

SUBJECT LEARNING OUTCOMES [SLOs]

After completing this subject, the learner will be able to :-

- Train students in color rendering in different media keeping fabric qualities.
- Introduction to various medium for stylization of croquis.
- Refining the student's illustration skills.
- Refine the designing skills.

COURSE CONTENTS

- BASIC GESTURE DRAWING (FEMALE):** **08 H**
 - Block Figure
 - Stick Figure
 - Fleshing Figure
- DRAPING GARMENTS ON CROQUI:** **12 H**
 - Skirt & Top.
 - Trouser, Shirt & Coat.
 - Dress.
- COLOR RENDERING OF FOLLOWING FABRIC (WITH APPROPRIATE MEDIUM).** **15H**
 - Cotton, Denim, Satin, Velvet, Sued, Woolen, Chiffon, Lace.
 - Solid, Check, Print, Stripes, Floral.
- DESIGNING.** **17 H**

Design a range of garments for Women wear using theme, fabric and surface ornamentation with front and back illustrations. (At least five sheets per range).

 - Casual Wear.
 - Formal Wear.
 - Sports Wear.
 - Fashion Show.

REFERENCES /SUGGESTED LEARNING RESOURCES:

- | | |
|--|---|
| 1. Fashion Illustration | Anna Kiper, David & Charles Book, 2011 |
| 2. Fashion Illustration Children | Patric, John Ireland, BT Bastford Ltd, 2005 |
| 3. New Fashion Illustration (New Illustration Series) | Martin Dawber 2006 |
| 4. Fashion Design Illustrations | Ritu |
| 5. Foundation in fashion design and illustration | Julian Seaman |
| 6. Fashion Illustration Techniques: A Super Reference Book for Beginners | ZeshuTakamura |

FABRIC ARTISTRY - I LAB

Course Code	CD 3006
Course Title	Fabric Artistry- I Lab
Number of Credits	2(L-0,T-0, P-4)
Prerequisites	None

COURSE LEARNING OBJECTIVES

This course provides an insight about how-to enhance the look of a fabric /garment by decorating it by an element of interest. The most common material used is paints, dyes and yarns.

SUBJECT LEARNING OUTCOMES [SLOs]

After completing this subject, the learner will be able to :-

1. Acquire knowledge about significance of ornamentation of fabrics.
2. Be familiar with tools and techniques of use of different methods of dyeing, printing and painting.
3. Explain the scope of value addition of fabric for fashion and apparel products.
4. Classify the techniques of artistry on fabric.

COURSE CONTENTS

- 1. PREPARATION OF THE SAMPLES OF THE FOLLOWING PROCESSES: 18 H**
 - 1.1 Block Printing.
 - 1.2 Screen Printing.
 - 1.3 Tie and Dye.
 - 1.4 Batik Dyeing.
 - 1.5 Hand painting.
- 2. PREPARATION OF THE SAMPLES USING FOLLOWING TECHNIQUES: 20 H**
 - 2.1 Hand & Machine Knitting.
 - 2.1.1 Knit & Perl Stitch.
 - 2.1.2 Rib Stitch.
 - 2.1.3 Cable Stitch
 - 2.1.4 Eyelit Stitch
- 3. PREPARATION OF THE SAMPLES IN FOLLOWING TECHNIQUES: 14H**
 - 3.1 Crocheting
 - 3.2 Macrame.

REFERENCES /SUGGESTED LEARNING RESOURCES:

1. Visit to local printing and dyeing units.
2. The Reinhold Book of Needlecraft
3. "Vogue" Guide to Knitting, Crochet and Macrame
4. First time Knitting the absolute beginner's guide
5. Vogue, Cosmopolitan, Femina [latest magazines]

Jutta Lammer
by (ISBN)
by Carri Hammit

COMPUTER AIDED DESIGN - I LAB

Course Code	CD 3007
Course Title	Computer Aided Design - I Lab
Number of Credits	1 (L-0,T-0, P-2)
Prerequisites	None

COURSE LEARNING OBJECTIVES

CAD has been found very important in designing field. The objective of the subject is to expose the professionals and to meet the need of the users by completing their knowledge, skill and ability, creativity in the Fashion Field.

SUBJECT LEARNING OUTCOMES [SLOs]

After completing this subject, the learner will be able to :-

1. Study and use of designing software.
2. Acquire Knowledge of editing and transformation of objects.
3. Able to create motifs prints and textures for fabrics.

COURSE CONTENTS**1. INTRODUCTION TO COREL DRAW:****10 H**

- 1.1 Introduction to corel draw program , Menu Bar, Tool Box.
- 1.2 Overview of Drawing Tools.
- 1.3 Editing Objects.
- 1.4 Transformation of Objects.
- 1.5 Color Fill.
 - 1.5.1 Fill color.
 - 1.5.2 Fountain Color
 - 1.5.3 Pattern Fill.

2. DESIGNING PRINT AND TEXTURE DEVELOPMENT:**16H**

- 2.1 Design a logo and create a visiting card and Brochure of your own label.
- 2.2 Create print and textures and their repeat and color ways.

REFERENCES /SUGGESTED LEARNING RESOURCES:

1. Core DRAW
2. Computer Aided Drafting and Design- Concept and Application
3. CAD for Fashion Design
4. CAD in Clothing and Textiles
5. How to Draw & Paint Fashion
6. Computers in Fashion Industry
7. Fashion Design Drawing & Presentation, Children, Men
8. Fashion Design illustrations

Ramesh Bangia
 Veisinet DD
 Rene Weiss Chase 1997
 Winfred Aldrich 1992
 Walton T. Foster
 Taylor P.
 Ireland Patrick John
 Ritu

DRAFTING AND GARMENT CONSTRUCTION - III LAB

Course Code	CD 3008
Course Title	Drafting and Garment Construction - III Lab
Number of Credits	3 (L-0,T-0, P-6)
Prerequisites	None

COURSE LEARNING OBJECTIVES

This course will help students to learn Pattern Making , Layout ,Cutting, Stitching and Finishing of Ladies Garments.

SUBJECT LEARNING OUTCOMES [SLOs]

After completing this subject, the learner will be able to :-

1. Make Paper patterns for Ladies Garments.
2. Understand the different Pattern making Techniques.
3. Use of appropriate Pattern Making Techniques.
4. Create designer garments by adapting basic Blocks

COURSE CONTENTS

Design , Adaptation, Paper Pattern Making, Estimation and Layout , Cutting, Stitching, and Finishing of following Garments:

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|-----------------------|-----|
| 1. Night Gown. | 20H |
| 2. Top with Adaption. | 20H |
| 3. Skirt (Anyone). | 18H |
| 4. Plain Blouse. | 20H |

REFERENCES /SUGGESTED LEARNING RESOURCES:

- | | |
|--------------------------------------|-------------------------|
| 1. Cutting and Tailoring –Part -1-2 | Ishwari & Anwani |
| 2. Pattern Making for Fashion Design | Helen Joseph Armstrong. |
| 3. Zarpkar System of Cutting: | Zarpkar |

ENVIRONMENTAL STUDIES-I LAB

Course Code	CD-+ (Common in All Branches of Non Engineering)
Course Title	Environmental Studies-I Lab
Number of Credits	1.0 (L-0, T-0, P-2)
Prerequisites	None

Course Objective

Environmental study is a subject as per directions of Supreme Court / Govt. of India. Under Act. 51 A (g) of our constitution it is our fundamental duty to protect our environment.

A diploma holder must have knowledge of different types of pollution so that she may help in balancing the eco system and controlling pollution by pollution control measures. She should also be aware of environmental laws related to the control of pollution.

Course Outcomes

After completing the course the Learner will

- Understand the extent of Air pollution in their city.
- Understand the extent of Water pollution in their city.
- Know about the Ph value of water , hardness and TDS of water, their importance method of determination .
- Have knowledge of solid waste management of their city

PRACTICALS

1. Visit to the important circles and measurement of Air Quality Index
2. Determination of Ph Value of tap Water
3. Determination of Hardness of tap Water by EDTA Method
4. Determination of TDS of tap Water
5. Visiting the local agency to Prepre the report of solid waste management of the city .
6. Plantation

SEMESTER SCHEME 2020-21