



**CHHATTISGARH SWAMI VIVEKANAND TECHNICAL UNIVERSITY,
BHILAI**

Course of study and Scheme of Examination of Diploma First Semester (2005-06) in
Costume Design and Dress Making Technology.

SEMESTER - I

S. No	Subject Code	Board of Study	Subject	Periods Per Week			Scheme of Examination					Total Marks	Credit [L+[T+P] 2
				L	T	P	Theory			Practical			
							ESE	CT	TA	ESE	TA		
1	200111 (46)	Humanities	Communication Skill-I	3	1	-	100	20	20	-	-	140	4
2	223112 (23)	Costume Design & Dress Making Technology	Basic Design	2	1	-	100	20	20	-	-	140	3
3	223113 (23)	Costume Design & Dress Making Technology	B.T.C.	3	1	-	100	20	20	-	-	140	4
4	223114 (23)	Costume Design & Dress Making Technology	T.T.E.	2	1	-	100	20	20	-	-	140	3
5	223115 (23)	Costume Design & Dress Making Technology	T.S.	2	1	-	100	20	20	-	-	140	3
6	223121 (23)	Costume Design & Dress Making Technology	Basic Design Lab	-	-	5	-	-	-	50	25	75	3
7	223122 (23)	Costume Design & Dress Making Technology	B.T.C. Lab	-	-	7	-	-	-	50	25	75	4
8	223123 (23)	Costume Design & Dress Making Technology	T.T.E. Lab	-	-	5	-	-	-	50	25	75	3
9	223124 (23)	Costume Design & Dress Making Technology	T.S. Lab	-	-	3	-	-	-	50	25	75	2
Total				12	05	20	500	100	100	200	100	1000	29

L – Lecturer,

ESE – End Semester Exam,

B.T.C. – Basic Techniques of Construction
Science

T – Tutorial,

CT – Class Test,

T.T.E. – Tailoring Tools and Equipments

P – Practical,

TA – Teachers Assessment

T.S. – Textile

Chhattisgarh Swami Vivekanand Technical University, Bilai

Semester - 1st Semester

SUBJECT - COMMUNICATION SKILL-I

Code 200111(46)

Branch / Discipline - Computer Science & Engineering / Electronics & Telecommunication / Information Technology / Civil / Mechanical / Electrical / Metallurgy/ Costume Design & Dress Making / Modern Office Management / Architecture/ Interior Decoration & Design / Instrumentation / Mining & Mine Surveying

Minimum Number of class tests to be conducted -2

SCHEME OF STUDY

S.No.	Topic	No. of Hours / Period of Study	Marks Allotted
		Theory	
1.	Passages for comprehension	16	30
2.	Short Stories	08	15
3.	Applied Grammar	16	25
4.	Letter Writing	08	20
5.	Report Writing	08	10
	TOTAL	56	100

Note: For spoken English integrated approach may be adopted .

COURSE CONTENTS

S.No.	Topics	Sub Topic
	Section -A	
1.	Passage for Comprehension	(1)Language of Science (2) Robotic Revolution (3) Designing a Car (4)New Wonders of camera (5)Non-conventional sources of Energy (6)Our Environment (7)Enterpreneurship (8)Safety practices
2.	Short-Stories	(1)Selfish Giant-Oscar Wilde (2)A Letter to God-Gregario Lapex Y-Fuentes An astrologer's Day –R.K. Naragyan

3.	Applied Grammar	(1)Determiners (2)Auxiliaries (3)Tenses (4)Conditional (5)Passive (6)Prepositions (7)Subject-verb Agreement (8)Clauses & Connectors
SECTION-B		
4.	Letter Writing	(1)Application (For Job/Leave) (2)Letter of Enquiry and replies (3)Letter for Order Placement (4)Letter of Complaints (To Editor/ Appropriate Authorities)
5.	Report Writing	(1)Writing Progress – Report of a job (2)General outline for preparing A Project Report.

LIST OF REFERENCE BOOKS

- 1.Communication Skill for Teaching Students Book-I. M/s Somaiya Publications. Pvt. Ltd., Bhopal.
- 2.Living English Structure –W.S. Allen
- 3.Practical English Grammar (Exercises I by Thomson & Martinet)
- 4.English conversation practice by Grant Taylor.

Chhattisgarh Swami Vivekanand Technical University, Bhilai

Semester - 1st Semester
SUBJECT -BASIC DESIGN

Theory Code – 223112(23)

Branch / Discipline – Costume Design and Dress Making Technology .

Minimum number of class tests to be conducted - 2

SCHEME OF STUDY

S. No.	Topic	No. of Hours / Periods Theory	No. of Hours / Periods Practical	Total No. of Hours / Periods
1.	Chapter – 1 Introduction	03	-	03
2.	Chapter – 2 Lines	04	06	10
3.	Chapter – 3 Shape & Forms	04	07	11
4.	Chapter – 4 Colour & Systems	04	06	10
5.	Chapter – 5 Colour Schemes	04	06	10
6.	Chapter – 6 Neutralisation of Colour System	04	06	10
7.	Chapter – 7 Effects of Colours	04	06	10
8.	Chapter – 8 Texture	04	12	16
9.	Chapter – 9 Texture Combination	04	11	15
10.	Chapter – 10 Principles of Design	07	10	17
	Total	42	70	112

COURSE CONTENTS

Chapter - 1 INTRODUCTION TO ART MATERIALS AND THEIR USES.

Chapter - 2 LINES

Classification, types, effects, optical Illusions, vertical, horizontal, diagonal, curved.
Introduction to elements of design.

Chapter - 3 SHAPES AND FORMS

Shapes – Classification, regular, irregular, equalsided, unequalsided, compositions.
Forms – types, different forms and silhouettes.

Chapter - 4 COLOURS & COLOUR SYSTEM

Introduction to colours, colour system, Primary and secondary, tertiary, Intermediate colours.

Warm and cool colours.

Tints and shades.

Chapter - 5 COLOUR SCHEMES

Monochromatic, analogous, Contrasting – complimentary, contrast complimentary, double complimentary, triad complimentary.

Chapter - 6 NEUTRALISATION OF COLOURS

Neutral colours and colour neutralization, Rainbow colours.

Chapter - 7 EFFECTS OF COLOURS

Week days & Colours. Psychological effects of colour.

Chapter - 8 TEXTURES

Different types of textures. Blowing, thread pressing, marble, drop of water, butterfly, stencil, spray, dry brush, blade, crayon, thread rolling, fevicol, rubber, smoke.

Chapter - 9 TEXTURE COMBINATION

Texture combination, Texture terminology.

Chapter - 10 PRINCIPLES OF DESIGNS

Introduction to Principles of design.

Balance, Harmony, Proportion, Rhythm, Emphasis and their uses.

PRACTICAL CODE -223121(23)

LIST OF PRACTICAL

1. Classification, of lines.
Effects of Lines.
Optical illusion with Lines.
Dominant lines.
2. Shapes – Composition using shapes, Forms, Silhouettes – Types.
3. Colours, Colour system, Colour chart, Warm colours, Cool colour Scheme and Rain-bow colours..
4. Textures-Prepare samples of various types of textures listed in theory.
5. Application of Principle of Design.
6. Prepare file with different types of fabric and write their purpose.

List of Books -

- 1.पारिवारिक परिधान – श्रीमती रजनी अग्रवाल

Chhattisgarh Swami Vivekanand Technical University, Bilai

Semester - 1st Semester

SUBJECT - BASIC TECHNIQUES OF CONSTRUCTION Theory Code – 223113(23)

Branch / Discipline – Costume Design and Dress Making Technology .

Minimum number of class tests to be conducted - 2

SCHEME OF STUDY

S. No.	Topic	No. of Hours / Periods Theory	No. of Hours / Periods Practical	Total No. of Hours / Periods
1.	Chapter – 1 Technical Terms	04	0	04
2.	Chapter – 2 a) Basic Sewing b) Seams c) Binding Bia	04	15	19
3.	Chapter – 3 Tucks, Darts & Pleats	04	09	13
4.	Chapter – 4 Neck lines, Collars	08	24	32
5.	Chapter – 5 Yokes	05	03	08
6.	Chapter – 6 Sleeves	07	09	16
7.	Chapter – 7 Pockets	05	09	14
8.	Chapter – 8 Principles of tailoring	09	03	12
9.	Chapter – 9 Needle work	04	07	11
10.	Chapter – 10 Basic stitches	06	19	25
	Total	56	98	154

COURSE CONTENTS

Chapter - 1 TECHNICAL TERMS

Words used in technical trade.

Chapter - 2 BASIC SEWING TECHNIQUE

- Basting, Tacking, Thread Marking, Hemming, Lock Stitch, Eye hole, Loops, Button – hole, Fastners, Zip attaching.
- Seams-Plain, French, Run and Fell, Counter hem, Lapped, Mantua Maker, Flannel, Over cast, Pinked.
- Binding Bias & Straight facings.

Chapter - 3 TUCKS, DARTS AND PLEATS

Chapter - 4 K LINES & COLLARS

- a) Necklines – V-shape, U-shape, Round, Square, Glass.
- b) Collars-Peter pan collar, Creaton collar, Square Neck collar, Reverse collar, One scallop flat edge collar, Flat back collar, Boat collar, Double turning collar, Scalloped collar Tucked collar, Flared collar, Shirt collar, Stand collar, Double breast collar, Flat collar.

Chapter - 5 YOKES

Round yoke, U-shape yoke, Square yoke, V-yoke, Double pointed yoke, scalloped yoke.

Chapter - 6 SLEEVES

Short pleated type sleeves, Puff sleeves, Three quarter sleeves, Full sleeves, Bishop sleeves, Raglan sleeves, Magia sleeves, Kimono sleeves or Dolman sleeve.

Chapter - 7 POCKET

Patch pocket, Cut pocket, Diagonal attach pocket, Flap pocket, Side pocket.

Chapter - 8 PRINCIPLES OF TAILORING

- a) Straightening of fabric.
- b) Fabric preparation for cutting, Stitching and Finishing.

Chapter - 9 NEEDLE WORK

- i. Equipments used in Needle work.
- ii. Method of Design Transferring.
 - a) Pencil Method.
 - b) Carbon Method.
 - c) Trace-Line Method.
 - d) Pouncing Method.

Chapter - 10 DIFFERENT TYPES OF BASIC STITCHES

- a. Line Stitches-Running Stitch, Stem Stitch, Overcast Stitch.
- b. Chain stitches-Chain, Lazy-Dazy, Cable chain, Open chain, chequered chain, Twisted chain, Zigzag chain, Double chain.
- c. Loop stitch-Button hole, Creaton, Feather, Roman, Fly.
- d. Flat stitches-Fish Bone, Herring Bone, Chevron, Satin, Long and Short, Roumanian
- e. Knotted Stitches-French knot, Bullion knot, Coral knot, German Knot.
- f. Couching Stitch-Simple couching, Jacobion couching, Bokhara couching.

LIST OF PRACTICALS

- 1.Prepare samples of Basic Sewing Techniques.
- 2.Prepare samples of any 5 collars, 5 pockets, 5 neck lines & 5 Yokes.
- 3.Practice preparation of fabric before cutting, stitching, and finishing.
- 4.Preparation of 10 samples by using all the stitches.

LIST OF BOOKS

1. Rapidex Home tailoring course
2. The art of sewing – Anna Jacob Thomas
3. Fundamentals of clothing – Labanya Mazumdar and R. Vaisala
4. कटाई सिलाई थ्योरी – गायत्री वर्मा

Chhattisgarh Swami Vivekanand Technical University, Bilai

Semester - 1st Semester

SUBJECT - TAILORING TOOLS AND EQUIPMENTS Theory Code 223114(23)

Branch/ Discipline- Costume Design and Dress Making Technology .

Minimum number of class tests to be conducted - 2

SCHEME OF STUDY

S. No.	Topic	No of Hours / Periods Theory	No of Hours / Periods Practical	Total No of Hours / Periods
1.	Chapter – 1 Knowledge of machines	05	05	10
2.	Chapter – 2 Functioning of sewing Machine	03	12	15
3.	Chapter – 3 Machine Maintenance	04	07	11
4.	Chapter – 4 Common Faults & their remedies	04	06	10
5.	Chapter – 5 Measuring & Marking tools	04	05	09
6.	Chapter – 6 Cutting Sewing & Finishing Tools	04	06	10
7.	Chapter – 7 Cloth Estimation	03	07	10
8.	Chapter – 8 Time saving devices	07	06	13
9.	Chapter – 9 Repairing of garments	04	12	16
10.	Chapter – 10 Safety Measures	04	04	08
	Total	42	70	112

COURSE CONTENTS

Chapter - 1 KNOWLEDGE OF MACHINES

Parts of machines and working of sewing machine, Hand-operated, Treadle operated, and Electric Motor operated.

Chapter - 2 FUNCTION OF EACH PART OF SEWING MACHINE

Chapter - 3 MACHINE MAINTAINANCE

Disassembling & assembling of machines and equipments. Cleaning and oiling of parts, Changing parts.

Chapter - 4 COMMON FAULTS OF MACHINES AND THEIR REMEDIES

Chapter - 5 MEASURING & MARKING TOOLS

2. Measuring tools – Inch Tape, Meter scale, Different types of scales used for Drafting and Marking, French curve, Dress-makers square, curved stick.
3. Marking tools – Tracing paper, Tracing wheel, Tailors chalk, Pencil, Pins.

Chapter - 6 CUTTING, SEWING & FINISHING TOOLS

1. Cutting tools-Different types of scissors, seam rippers.
2. Sewing Tool-Needle, Pin, Thimble, Bodkin.
3. Finishing Tool-Pointer and Creaser, Electric Iron, Steam iron, Automatic Iron, Ironing Board.

Chapter - 7 CLOTH ESTIMATION

Cloth Estimation and Conversion Chart and Lay out. Body Measurement.

Chapter - 8 TIME SAVING DEVICES

1. Hemmar.
2. Tucker.
3. Quilter.
4. Ruffler.
5. Cording Foot.
6. Zig-Zag.
7. Embroidery Plate.
8. Needle Threader.
9. Cloth Guide.
10. Zipper.
11. Electric Scissor.
12. Electric Cutter.
13. Tracing Wheel.

Chapter - 9 REPAIRING OF GARMENTS

Repairing-Mending, Patching, Darning, Renovating of Garments.

Chapter - 10 SAFETY MEASURES

Safety Measures, Precaution to be taken while working with sewing machine and electrical equipments.

PRACTICAL CODE - 223123(23)

LIST OF PRACTICALS

1. Disassembling and Assembling of Sewing machine and Equipments.
2. Cleaning and Oiling of machine.
3. Changing parts of machine and equipments.
4. Common faults and their remedies.
5. Using various tailoring tools and equipments.
6. Prepare layout of garments and estimate cloth required for different width of fabric.
7. Practice taking body measurement of dummies.

8. Techniques of Mending, Darning, Patching, on samples.
9. Renovation of Garments.
10. Observing safety measures while working with sewing machine and electrical equipments.
11. Preparation of file for parts of machines tools and equipments time saving devices mending patching, darning, and sample.

LIST OF BOOKS

1. पोशाक निर्माण के सिद्धांत – दत्ताश्रय रामचंद्र जोशी
2. Dress Making simplified – Valeric Cock
3. Textiles and clothing – R. Vatsala

Chhattisgarh Swami Vivekanand Technical University, Bhilai

Semester - 1st Semester

SUBJECT - TEXTILE SCIENCE

Theory Code – 223115(23)

Branch/ Discipline- Costume Design and Dress Making Technology .

Minimum number of class tests to be conducted - 2

SCHEME OF STUDY

S. No.	Topic	Theory	Practical	Total
1.	Chapter – 1 Classification of Textile fibers	03	-	03
2.	Chapter – 2 Manufacturing & Uses	04	-	04
3.	Chapter – 3 Physical & Chemical Properties of fiber	03	-	03
4.	Chapter – 4 Fiber Identification Test	02	10	12
5.	Chapter – 5 General properties of Fibers	04	-	04
6.	Chapter – 6 Looms	06	05	11
7.	Chapter – 7 Yarns	04	04	08
8.	Chapter – 8 Weaving	06	14	20
9.	Chapter – 9 Study of finishes	06	-	06
10.	Chapter – 10 Study of different types of fabrics	04	09	13
	Total	42	42	84

COURSE CONTENTS

Chapter - 1 CLASSIFICATION OF TEXTILE FIBRES

History, origin.

Chapter - 2 MANUFACTURING, USES OF DIFFERENT TEXTILE FIBRES.

Chapter - 3 PHYSICAL, CHEMICAL, PROPERTIES OF FIBRES.

Chapter - 4 FIBER IDENTIFICATION TESTS.

Burning, Physical, Chemical

Chapter - 5 GENERAL PROPERTIES OF FIBERS

Durability, Serviceability, Suitability according to Weather and Climate, Washability, Satisfactory length, Adequate strength, Cohesiveness or Spinnability, Elasticity, Flexibility, Pliability, Softness, Luster, Absorbency.

Chapter - 6 LOOMS

Parts of looms, types of looms.

Chapter - 7 YARNS

Types of yarns. Yarn twist.

Chapter - 8 WEAVING

Selvedge-different types of weaves. Plain, Basket, Rib, Twill, Satin, Sateen, Bird's – Eye. Fabric Count.

Chapter - 9 STUDY OF FINISHES

Special finishing such as Mercerising, Sanforsising, Bleaching, Crease Resistance, Embossing, Tentering, Calendaring etc.

Chapter - 10 STUDY OF DIFFERENT TYPES OF FABRICS

Name of different fabrics and their texture, such as Cambric, Canvas, Casement, China silk, Cheese cloth, Flannel, Gauge, Bulkram, Longcloth, Linen, Velvet, Dimitry, Denim, Jean, Organdy, Voile, Lawn, Taffeta cloth, Chiffon, Georgette, Wash and Wear. All varieties of handloom fabric Rubia, Tissue, Pure Silk etc.

PRACTICAL CODE - 223124(23)

LIST OF PRACTICALS

1. Fibre identification test by
 - a. Burning
 - b. Chemical
 - c. Physical
2. Identify weaves. Prepare samples of different waves with paper.
3. Collect samples of different types fabrics listed in theory paper.
4. Visit textile industry and prepare report.

LIST OF BOOKS

1. वस्त्र विज्ञान एवं परिधान – डॉ. प्रमिला वर्मा
2. परिधान एवं वस्त्र विज्ञान – गुप्ता गर्ग सैनी
3. House hold text and laundry Work - Durga Deulken
4. Textile Fibres and their use - Hess