

ଉତ୍କଳ ସଂସ୍କୃତି ବିଶ୍ୱବିଦ୍ୟାଳୟ
UTKAL UNIVERSITY OF CULTURE
Sanskriti Vihar, Madanpur, Bhubaneswar-752054



**SYLLABUS (NEP-2020) OF
BACHELOR OF TEXTILE DESIGN (BTD)
FROM THE ACADEMIC SESSION 2024-25**

Salient Features of the New Curriculum Design

- i) Multiple entry and exit. Exit can be after 1st yr/2nd yr/ 3rd yr and 4th yr.
- ii) 4yr. Degree Hons Program is of two types with or without research. Those with research are now eligible to appear to NET UGC and can directly join Ph.D. Program if they qualify in NET.
- iii) 4 yr. Degree Program with Research will be available with universities offering both PG & UG Program (Like Ravenshaw University, Gangadhar Meher University, Rama Devi Women's University, Khallikote University, Dharani Dhar University and Vikram Dev University etc.) Besides other colleges with PG Department in concerned subject having at least 50% sanctioned faculty members with Ph.D. University have to recognize such colleges for UG 4yr Research Program.
- iv) The following shall be the types of courses as per UGC Guideline.
 - ✓ Core 1 (Major/Hons)
 - Core II (Minor/Pass)
 - Core III (Minor/.Pass)
 - ✓ Ability Enhancement Course
 - ✓ Skill Enhancement Course
 - ✓ Multi-Disciplinary Course
 - ✓ Value Added Course
 - ✓ Vocational Course (To be offered in summer vacation 1 & 2)
- v) The Minimum Credit Prescribed are as follows

Credits

a) Three years with single major with 2 minors	126
b) Three years with double major	150
c) Three years three minors (without major)	126
d) Four years with Research/without Research	166

Students may acquire additional credit under Value added / Multi-Disciplinary/Swayam etc. The additional credit shall not be taken into account for Division/Grade/ Rank etc. They shall not count for admission into higher program.

- vi) The level of the course has been defined as per UGC/ National Credit Framework etc.
- vii) The Division between internal Assessment/Term End University Exam shall be 40:60

Credit System Syllabus According to NEP-2020 Guideline

Credit	Theory	Lecture/ Tutorial	Practical/ Field Work
1	1 Hour	1 Hour	2 Hour

- 1 Class= 1 Hour
- 1 credit = Minimum 15 Hours for Theory in one Semester
- 1 credit = Minimum 30 Hours for Practical in one Semester

Guidelines to Awarding UG Certificate, UG Diploma, and Degrees:

1. UG Certificate: Students who opt to exit after completion of the first year and have secured 44 credits will be awarded a UG certificate if, in addition, they complete one vocational course of 4 credits during the summer vacation of the first year. These students are allowed to re-enter the degree programme within three years session of exit and complete the degree programme within the stipulated maximum period of seven years.
2. UG Diploma: Students who opt to exit after completion of the second year having secured 86 credits will be awarded the UG diploma if, in addition, they complete one vocational course of 4 credits during the summer vacation. These students are allowed to re-enter within a period of three years and complete the degree programme within the maximum period of seven years.
3. 3-year UG Degree: Students who wish to undergo a 3-year UG programme will be awarded UG Degree in the Major subject after successful completion of three years, securing at least 126 credits and satisfying the minimum credit requirement as given in the. The discipline or faculty shall be decided on the basis of the first Major, i.e Bachelor in Hotel Management.
4. 4-year UG Degree (Without Research): A four-year UG degree in the major discipline will be awarded to those who complete a four-year degree programme with at least 166 credits and have satisfied the credit requirements as given in 2nd Semester Table.
5. 4-year UG Degree (With Research): Students who secure 7.5 CGPA and above in the first six semesters and wish to undertake research at the undergraduate level can choose a research stream in the fourth year. They should do a research project or dissertation under the guidance of a faculty member of the institution who is a recognized Ph.D. Supervisor of the affiliating University or who holds a Ph.D. Degree. The research project/dissertation will be in the major discipline. The students, who secure 166 credits, including 12 credits from a research project/dissertation, are awarded UG Degree.

SEMESTER- I

SUBJECT CODE	COURSE NAME	CREDIT	Theory Mid Sem	Theory End Sem	Practical Sessional	Practical End Sem	Full Mark
101 BTD- Core1.1 (Major)	Fundamentals of Design	Theory-2 Practical - 2	10	50	20	20	100
102 BTD- Core1.2 (Major)	Textile Studies	Theory-4 Practical-2	20	80	20	30	150
103 BTD- Core2.1 (Minor)	Drawing and Sketching	Practical-2	--	--	20	30	50
104 BTD MDS (Multi Disciplinary Subject)	Choose any one course from the Multi Disciplinary list (Computer Application)	Theory-3	20	80	--	--	100
105 BTD AEC Ability Enhancement Course (AEC)	Odia/ Alt English	Theory-4	20	80	--	--	100
106 BTD VAC Value Added Course (VAC)	Environmental Study and Disaster Management	Theory-3	20	80	--	--	100
TOTAL		22					600

Bachelor of Textile Design (BTD)
1st Semester, Core-1.1, Paper-101
FUNDAMENTALS OF DESIGN
Theory Credit-2
Practical Credit-2

Unit-I Basic of Art and Design:

Art media- Introduction and its application , Different art media-like pencils, color pencil, crayons, oil pastels, water colours, poster colours, acrylic colours & fabric colours, markers. erasers, rendering and shading skills.

Types of Design – structural and decorative design - Natural/ geometric/ abstract/ stylized/ ethnic/ conventional, requirements of a good structural and decorative design.

UNIT-II Elements of Design

Elements of Design– Study and exploration of element of design -Point, Line (types and properties), Shape (natural, abstract, geometric – shapes and forms, shapes and spaces), Texture (visual, tactile, audible),Color (hues, saturation, value, cool and warm colors, color schemes, color contrast)

Relationship between elements

Cognitive effect of the elements

Practical exercises on element manipulation (like converting natural shapes to abstract shapes, color combinations and color contrast, etc.)

UNIT-III Colour Theory

Introduction, colour wheel - primary, secondary and tertiary.

Colour dimensions - hue, value and chroma, tint, tone, shade,

Colourharmony - related & contrasting colour harmonies & its sub divisions.

Colour theory – CMYK (subtractive), RGB (additive) ,

Color System-Prang & Munsell colour systems.

Colour psychology - colour and emotions, Indian approach to colour.

UNIT-IV Define and Exploration of the principles of design

Balance (symmetric and asymmetric), Rhythm (gradation, radiation, repetition and their types), Emphasis (Focus), Contrast (color, texture, properties), Proportion (scale), Harmony (unity).

Differentiate between the principles of design and their cognitive effect.

Practical exercises on creating different design variations using the principles of design.

Course outcomes: On successful completion of the course, the students will be able to learn and understand :

Elements of design and their practical application.

Principles of Design.

Difference between various Elements of Design

Cognitive effect in Design.

Role of design fundamentals

How to implement the basic principles and elements of design to create original designs

The following Assignments are to be carried out by the students throughout the Semester, which will be evaluated out of 40 marks assigned to practical (20 marks on sessional and 20 markson practical examination at end of Semester).

Develop 3 collages incorporating all the elements of design. They will explain the mood and concepts of those collages. They will reason out the use of elements to create the mood.

Develop the given rendered figure showing directing and dividing lines with its psychological effects.

Develop 3 Prints with the help of Natural shape, Geometric shape & Abstract shape.

Develop Two 6X6 inches composition of geometrical shape using textures.one with pencil and one with color.

Use the colour schemes for rendering.

Design final products justifying the appropriate application of elements and Principles of design.

Reference Books:

Clarke, S. (2011). Print: Fashion, Interiors, Art. Laurence KingPublishing.

Davis, M. L. (1980). Visual Design in Dress. Pearson.

Dorosz, C., & Watson, J. R. (1999). Designing with Color. Fairchild Books.

Howard, D. J. (2017). 101 Textures in Colored Pencil. Walter Foster Publishing.

Sorger, R., & Udale, J. (2006).

James Stockton, "Designers Guide to Colour", Chronicle Books, San Francisco, 1984.

Bachelor of Textile Design (BTD)
1st Semester, Core-1.2, Paper-102
Textile Studies
Theory Credit-4

UNIT-I Introduction to Textile Fibers

Textile fibers and their properties: Definition, Classification of fibers and their origin, Primary and secondary properties of textile fibers,
Overview of the sequence of Production process and properties of various fibers: Natural-cotton, linen, wool, silk. Man-made-rayon, polyester, polyamide (nylon 6,6) acrylics, elastomeric fibers,
Fiber Identification tests –Physical, Chemical and Microscopic view.

UNIT-II Yarns

Basic principle of yarn formation: Definition of yarn, Mechanical spinning (cotton system, wool system, worsted system), Chemical spinning (wet, dry and melt), Types of yarns: Spun, Filament, Simple, complex
Terminology: Yarn numbering systems and twist
Yarn Identification: Single, ply, cord, textured, elastic, monofilament, multifilament and spun yarn.

UNIT-III Basic Principles of Fabric Formation

Weaving–Basic ideas on preparatory to weaving and weaving Process,
Loom–Type of looms :- Handloom, power loom (Different parts and mechanism), Brief ideas on Dobby & Jacquard loom.
Introduction to weaves - Classification, Characteristics and uses.
Knitting - Basic Method, Classification, Characteristics and uses.
Non-woven and felts-construction: Construction, Properties and uses.

UNIT-IV

Brief ideas on dry & wet processing steps. Like- singeing, scouring, bleaching, mercerization, dyeing & printing. Classification of dyes and their applications.
Brief ideas on mechanical finishes (calendaring) & chemical finishes (crease resistance, water repellent & proof, fire retardant & anti chemical finishes)

Course outcomes:

On successful completion of the course, the students will be able to:
Obtain basic knowledge on Textile Manufacturing process
Get familiar with the terminology used in textiles.
Understand the performance characteristics of fibers, yarn and fabrics.
Understand the process flow of Textiles from Yarn to Fabric.
Obtain knowledge on various fabric formation processes.

Assignments and Practical:

Identifications of different fibres : Physical, chemicals and microscopic views of natural and man-made fibres.

Determination of yarn count.

Visit to spinning mills, handloom & power loom, Knitting units and submit the reports on different parts, function and fabric production process.

Collect different types of woven fabrics and analyze Ends/inch, Picks /inch, GSM and types of weave.

Collect different type of knitted fabrics and identify them.

Basic knit sample preparation: weft-knit fabrics such as a hand-knit sweater.

Visit to dyeing and printing units and study the method dyeing and printing using different dyes.

Reference Books:

Bernard P. Corbman, (1985), "Textiles: Fibre to Fabric", McGraw Hill Education, 6th edition.

Billie J. Collier, Phyllis G. Tortora, (2000), "Understanding Textiles", Pearson, 6th edition.

Choudhary A.K.R., (2022), "Principles of Textile Printing", Textile Institute Professional Publication, 1st edition.

Dantya S., (1996), "Fundamentals of Textiles and their care", Orient Longman Ltd, New Delhi, 5th edition.

Gohl E.P.G., Velensky L.D., (2005), "Textile Science" CBS Publishers and Distributors, 2nd edition.

Hall A.J., (2004), "The standard Hand Book of Textiles", Woodhead Publishing, 8th edition.

Sekhri Seema, (2022), "Textbook of Fabric Science: Fundamentals to Finishing", PHI Learning Pvt. Ltd., Delhi, 4th edition.

Smith J.L., (2019), "Textile Processing Printing Dyeing Finishing", Abhishek Publications.

BACHELOR OF TEXTILE DESIGN (BTD)

1ST Semester Core 2.1, Paper-103

Drawing and Sketching

Practical Credits-04

UNIT-I

Introduction to basics of sketching & Drawing, Exploration of mediums – Pencil, Colour Pencil, Charcoal, Water medium

Draw different types of lines such as straight, curved, wavy, thick, thin, and broken.

Practice creating different types of shading including hatching, cross hatching, stippling, and blending, with different grades of pencils (e.g 2b,4b,6b) and color pencils

UNIT-II

Choose five natural elements from your surroundings (e.g., leaves, flowers, fruits, shells). Study each selected element closely, observing its shape, texture, and details. Create detailed sketches or drawings of each element, focusing on capturing its unique characteristics

UNIT-III

Develop motifs inspired by any 5 natural elements and explore various design variations. Develop design variations for each element, including geometric, abstract, and stylized interpretations.

UNIT-IV

Drawing techniques for different stages of product development, still life, and objects

UNIT-V

Drawing in active environment, outdoor activities, quick and on the spot sketching. Drawing and practice of sketching of outdoor surroundings comprising of flora and fauna.

UNIT-VI

Introduction to perspective, Practicing perspective by drawing buildings etc along with trees etc. Perspective Drawing: One-point perspective (city landscape; Name), Two-point perspective (city landscape), Three-point perspective (building)

UNIT-VII

Introduction to human figurative drawing. Create a human figurative drawing.

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

Learn Good sketching and drawing skills.

Learn basics still life drawing.

Understand and learn perspective drawing.

Reference Books:

1. Deshpande R., (2004), "Colour Pencil", Jyotsna Prakashan Pune, 1stEdition.
2. Kamath V. (2006) "Sketching and Drawing", Jyotsna Prakashan Pune, 2ndEdition.
3. Mulik M. (2004), "Perspective", Jyotsna Prakashan Pune, 1stEdition.
4. Narvekar S., Narvekar A., "Grade Examination-Drawing Made Easy", Navneet Publication (India) Ltd.
5. Shelar S. (2007), "Still Life", Jyotsna Prakashan Pune, 1st Edition.
6. Vaze P., (2002), "Draw and Paint", Jyotsna Prakashan Pune, 1stEdition.

BACHELOR OF TEXTILE DESIGN (BTD)
1ST Semester, Multi- Disciplinary Subject , Paper-104
Computer Application
Theory Credits-03

UNIT-1:

Computer Basics: Simple Model of a Computer, Characteristics of Computers, Hardware and Software, working of a Computer, Stored Program Concept, Problem Solving with computer: Flowchart, Algorithms, Programming,
Computer Software: Introduction to computer software, classification of computer software, system software, application software, firmware, middleware

UNIT-2:

Input/Output Units: Input devices, Output devices, Computer Memory: Introduction, Read Only Memory, Serial Access Memory, Cache memory, primary memory, secondary storage devices, magnetic tapes, hard disks, SSD, optical drives, USB flash drivers, Memory cards, Mass storage devices, Memory Hierarchy.

UNIT-3:

Operating Systems: Definition, Batch Operating System, Multiprogramming Operating System, Time Sharing Operating System, Multiprocessing Operating System. Services of OS. Computer Networks: Concepts of Networking-LAN, WAN, MAN, Network topologies. Internet and the World Wide Web.

UNIT-4:

Emerging Computing Environments: Peer to Peer Computing, Grid Computing, distributed computing,
Cloud Computing: Introduction, cloud services, cloud deployment models.
Email, video conferencing, e-Learning, e-Banking, UPI, e-commerce, e-Governance, social networking, emerging computer applications.

Text Book:

Fundamentals of Computers by V Rajaraman 6th edition PHI Learning Private Limited

Reference Books:

A First Course in Computers by Sanjay Saxena, Vikas Publishing House.
Computer Fundamentals by Anita Goel, Pearson pub.

BACHELOR OF FASHION DESIGN (BFD)

1ST Semester, AEC, Paper-105

ODIA, Credits-04

ଯୁକ୍ତି-୧: କବିତା (ପୁସ୍ତକ: ସାହିତ୍ୟ ପ୍ରସଙ୍ଗ, ଉତ୍କଳ ସଂସ୍କୃତି ବିଶ୍ୱବିଦ୍ୟାଳୟ)

(କ) ଯଯାତି ଉପାଖ୍ୟାନ - ସାରଳା ଦାସ

(ଖ) ଲାବଣ୍ୟବତୀ - ଉପେନ୍ଦ୍ର ଭଞ୍ଜ

(ଗ) ଜଗନ୍ନାଥ ଜଣାଣ - ବଳଦେବ ରଥ

ଯୁକ୍ତି-୨: ପ୍ରକୃତି (ପୁସ୍ତକ: ସାହିତ୍ୟ ପ୍ରସଙ୍ଗ, ଉତ୍କଳ ସଂସ୍କୃତି ବିଶ୍ୱବିଦ୍ୟାଳୟ)

(କ) ଗୁଁ ବାହିନି କେଶେ- ଲକ୍ଷ୍ମୀକାନ୍ତ ମହାପାତ୍ର

(ଖ) ଓଡ଼ିଶା ଥିଏଟର - କାଳୀଚରଣ ପଟ୍ଟନାୟକ

(ଗ) ମୋ ଜୀବନ ଉପରେ ରୂପର ପ୍ରଭାବ - ବିଧାୟକ ବର୍ମା

ଯୁକ୍ତି-୩: କ୍ଷୁଦ୍ରଗଳ୍ପ (ପୁସ୍ତକ: ସାହିତ୍ୟ ପ୍ରସଙ୍ଗ, ଉତ୍କଳ ସଂସ୍କୃତି ବିଶ୍ୱବିଦ୍ୟାଳୟ)

(କ) ଝଡ଼ - ଭଗବତୀ ଚରଣ ପାଣିଗ୍ରାହୀ

(ଖ) ଗୀତ ମାଷର - ପ୍ରଶାନ୍ତ କୁମାର

(ଗ) ପେଡ଼ିଭରା ଚମ୍ପ - ଭୁବନେଶ୍ୱର ବେହେରା

ଯୁକ୍ତି-୪: ବ୍ୟାକରଣ ଓ ବ୍ୟବହାରିକ ଭାଷା

(କ) ଏକ ଅନୁଲେଖ (ପାଠ୍ୟ ଅନ୍ତର୍ଗତ ଅଥବା ପାଠ୍ୟବହିରୁ) ପ୍ରଦାନ କରାଯିବ । ସେଥିରୁ ୫ ଗୋଟି ପ୍ରଶ୍ନ ଆସିବ । ୫ ଟି ଯାକ ପ୍ରଶ୍ନ ବାଧ୍ୟତାମୂଳକ ।
ପ୍ରତ୍ୟେକ ପ୍ରଶ୍ନର ମୂଲ୍ୟ ଅନୁସାରେ ନମ୍ବର ରହିବ ।

(ଖ) ଛୁଟି ପ୍ରୟୋଗ ମାଧ୍ୟମରେ ବାକ୍ୟଗଠନ । ପ୍ରତ୍ୟେକ ପ୍ରଶ୍ନର ମୂଲ୍ୟ ୧ ନମ୍ବର ରହିବ ।

(ଗ) ଏକ ପଦରେ ପ୍ରକାଶ ପୂର୍ବକ ବାକ୍ୟଗଠନ । ପ୍ରତ୍ୟେକ ପ୍ରଶ୍ନର ମୂଲ୍ୟ ୧ ନମ୍ବର ରହିବ ।

ଯୁକ୍ତି-୫: ଅନୁପ୍ରାଣନା ନମ୍ବର ବିତରଣ

ପ୍ରତ୍ୟେକ ଯୁକ୍ତିର ପ୍ରଶ୍ନ ମୂଲ୍ୟ ୨୫ ନମ୍ବର ଏବଂ ପ୍ରତ୍ୟେକ ଯୁକ୍ତି ୧୫ ଘଣ୍ଟା ପଢ଼ାଯିବ ।

ଯୁକ୍ତି-୬: ଦୀର୍ଘ ପଞ୍ଚମି ନିମ୍ନ - ୧୫ ନମ୍ବର

ସରଳାର୍ଥ ନିମ୍ନ - ୬ ନମ୍ବର

ଚୁକ୍ତି ସଂକ୍ଷିପ୍ତ ପ୍ରଶ୍ନ ନିମନ୍ତେ - ୬x୨

ଯୁକ୍ତି-୭: ଓ ଯୁକ୍ତି-୮: ନିମନ୍ତେ ମଧ୍ୟ ଏହି ବିତରଣ ବିଧି ପ୍ରଯୁଜ୍ୟ ହେବ ।

ଯୁକ୍ତି-୪:

(କ) ଅନୁଲେଖରୁ ୫ ଗୋଟି ପ୍ରଶ୍ନ ନିମନ୍ତେ ୧୫ ନମ୍ବର ।

ପ୍ରତ୍ୟେକ ପ୍ରଶ୍ନ ପାଇଁ ୩ ନମ୍ବର

(ଖ) ପାଞ୍ଜିଗାତି ଛୁଟି ବାକ୍ୟରେ ବ୍ୟବହାର ପାଇଁ ୫ ନମ୍ବର ।

(ଗ) ପାଞ୍ଜିଗାତି ଏକ ପଦରେ ପ୍ରକାଶ ପୂର୍ବକ ବାକ୍ୟଗଠନ ପାଇଁ ୫ ନମ୍ବର ।

BACHELOR OF FASHION DESIGN (BFD)

1ST Semester, AEC, Paper-105

Alternative English, Credits-04

UNIT-I

Prose – Pieces to be studied :

What I Believe - E.M. Foster

The One – Eyed Cat - A.G. Gardiner

Man and Environment – Indira Gandhi

The World as I see it - Albert Einstein

On Getting off to sleep – J.B. Priestley

UNIT- II

Poetry-Pieces to be studied:

To His Cry Mistress - Andrew Marvell

A Slumber Did my Spirit Seal – William Wordsworth

La Belle Dame Sans Merci - John Keats

The Listeners - Walter de La Mare

Village Song - Sarojini Naidu

UNIT-III

Short Story-Pieces to be studied:

The Happy Prince - Oscar Wilde

The Last Leaf - O' Henry

The Happy Man - Somerset Maugham

War - L. Partridge

An Anthology of Poems, short stories and Essays – Utkal University of Culture

BACHELOR OF FASHION DESIGN (BFD)

1ST Semester, VAC, Paper-106

Environmental Studies

Theory Credits-03

UNIT-I

Scope and Importance of environmental Studies-

Concept of Environment – Atmosphere, Hydrosphere, Lithosphere, and Biosphere

Resources and Environment – Renewable and Non- renewable conservation of natural resources

UNIT-II

Ecosystem – Structure and function of an eco- system, Food chain, Food web, Tropic Levels ecological Pyramids, Energy flow in Eco- system

Nutrients cycles- Nitrogen Cycle, Carbon- dioxide cycle, Oxygen cycle.

Aquatic (pond as a fresh water ecosystem)

UNIT-III

Bio diversity and its conservation- concept and importance of bio diversity, threat to biodiversity, man and wildlife conflict, Endangered and endemic species of India Ex- situ and In – situ conservation of bio- diversity.

Communicable diseases – Malaria, Measles, Tuberculosis, Amoebiasis, Filariasis.

Non- communicable diseases- Cancer, Cardio vascular diseases.

UNIT-IV

Environmental Pollution- Air pollution, Water Pollution, Soil Pollution, Noise Pollution, Nuclear Pollution, Thermal Pollution- cause Effect and remedies. Acid Rain, Green House Effect, Global Warming, Solid Waste Management, Waste Land reclamation.

UNIT- V

Economic Development and Environment-

Sustainable and un- Sustainable development

Human Pollution – Growth and Explosion

Urbanization- Problems, resettlement and rehabilitation of People.

Role of NGOs in Environmental Protection. Environmental Legislation in India.

SEMESTER- II

SUBJECT CODE	COURSE NAME	CREDIT	Theory Mid Sem	Theory End Sem	Practical Sessional	Practical End Sem	Full Mark
201 BTD- Core2.1 (MajorTheory)	Traditional Indian Textiles	Theory-2 Practical-2	10	50	40	--	100
202 BTD-Core2.2 (Major)	Introduction to Textile Design	Theory-2 Practical-2	10	50	20	20	100
203 BTD- Core2.3 (Minor)	Woven Fabric Structure and Design	Theory-2 Practical-2	10	50	20	20	100
204 MDS (Multi-Disciplinary Subject)	Choose any one course from the Multi-Disciplinary list(Art Appreciation)	Theory-3	20	80	--	--	100
205 AEC Ability Enhancement Course (AEC)	Communicative English	Theory-4	20	80	--	--	100
206 SEC Skill Enhancement Course (SEC)	Yoga in Every Day Life	Theory-3	20	80	--	--	100
TOTAL		22					600

BACHELOR OF TEXTILE DESIGN (BTD)

2nd Semester, Core 2.1, Paper-201

Traditional Indian Textiles

Theory Credits-02

Practical Credit-02

UNIT-I

Historical significance of traditional textile.

UNIT-II

Study of the woven textiles in relation to Origin, Motifs, Looms, weaves, colors and end use of the following :

Jamdani, Baluchari, Tangial, Chanderi , Maheshwari, Ikat Patola, Pochampally, Paithani, Banaras, Brocades , Kanjivaram, Kota, Himroo, Mashru.

UNIT-III

Introduction to the Dyed & Printed Textile Origin, Significance, Method, Colours - Madhubani, Kalamkari, Patchitra batik Print, Bagh Print, Bandhani, Ajrak Print, Sanganer Print, Bagru Print

UNIT-IV

Introduction to the Embroidered Textiles Origin, threads, stitches, Motifs, colors layout and end use of the following state:-

Kashida of Kashmir, Phulkari of Punjab, Embroidery of Sindh, Kutch and Kathiawar, Chikankari of Uttar Pradesh, Appliqué work of Bihar and Orissa, Embroidery of Manipur, Kasuti of Karnataka, Kantha of Bengal, Chamba Rumal of Himachal, Gold and Silver Embroidery.

Course outcomes: The Students at the completion of the course will be able to:

Explain and appreciate the traditional textile crafts of India.

Distinguish between different motifs, color and weaving techniques used in traditional textiles along with their significance.

Explain and practice traditional Indian embroideries with types of motifs, stitches, colours and materials..

Assignment / Activities

Students have to draw 25 hand sample and create files for all the Traditional Textiles, Printed, Dyed and embroidered crafts individually and present during the semester, which will be evaluated out of 40 as sessional marks.

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BACHELOR OF TEXTILE DESIGN (BTD)

2nd Semester, Core 2.2, Paper-202

Introduction to Textile Design

Theory Credits - 02

Practical Credits-02

UNIT-I

Concept and significance of Textile Design.

History and Evolution of Textile Design: Prehistoric era to ancient civilizations.

Medieval and Renaissance periods. Industrial Revolution to the present.

Significance of Textile Design: Impact on culture, economy, and society. Role in preserving heritage and tradition.

UNIT-II

Design Interpretation --application of elements of design in view of Principles of Design.

Motifs and Repeats in Textile Design:

Types of Motifs: Geometric, Floral, Ethnic, Abstract, Animal Paisley, Damask, Toile, Folk, Nature-Inspired Historic, Architectural, Pop Art, Modern Symbolic, Mythological, Text, Typography Seasonal.

Repeats in Textile Design: Simple Repeat, Half-Drop Repeat, Full-Drop Repeat All Over Repeat, Mirror Repeat, Border Repeat Brick Repeat

UNIT-III Types of Textures

Rough Matt, Rough Glossy, Smooth Matt, Smooth Glossy

Layout of motifs: Corner, Border, All over, Central Half Drop, Full Drop, Brick, Repeat-Regular & Irregular

UNIT-IV Techniques in Textile Design

Weaving Techniques: Design produced on fabric in Handloom, Power loom Dobby, Jacquard.

Embroidery Techniques: Hand embroidery → Machine embroidery Dyeing

Techniques: Natural dyeing, tie-dye → Sustainable practices, advanced dyeing technologies.

Printing Techniques: Stencil Printing, Block Printing, Screen Printing, Digital printing (inkjet, sublimation)

Hand Painting Techniques: Batik, brush painting → Laser technology (cutting, printing, engraving)

Course outcomes: The Students at the completion of the course will be able to: —

Define Textile Design

Analyze the significance of Textile Design in the global and Indian context.

Analyze the historical development and evolution of textile design from ancient times to the present and future.

Correlate traditional and modern techniques used in textile design, including printing, weaving, embroidery, dyeing, painting and digital technologies.

Analyze the influence of designers on the evolution of textile design, both internationally and in India.

Demonstrate the skills of drawing original textile designs using traditional and modern techniques, incorporating motifs and patterns relevant to different industries.

Practical:

Developing 4 Motifs (home decor/apparel) Using Different Elements Applied By Principle Of Designs.

Developing 5 Sample with given motifs.

Collecting & Developing 5 Sample Of different textures.

Developing Sample with different types of motif layouts using all above types of motifs. (Samples 8 each)

Prepare a document that specifies visual and psychological appearance of different colors and different methods of ornamentation on textured fabric with example.

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Joyce, C. (1997). Textile Design. Watson-Guptill.

Kadolph, S. J., Langford, A. L., & Hollen, N. R. (2009). Textiles. Pearson.

Kissen, R. (2014). The Fabric of Civilization: How Textiles Made the World. Basic Books.

Meller, S., & Elffers, J. (2002). Textile Design.

Thames & Hudson.

Phillips, P., & Bunce, G. (1993).

Repeat Patterns: A Manual for Designers, Artists and Architects. Thames & Hudson. ISBN-10: 0500276870, ISBN-13: 978-0500276877.

Tortora, P. G., & Merkel, R. S. (2016). The Fairchild Books Dictionary of Textiles. Bloomsbury Academic.

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BACHELOR OF TEXTILE DESIGN (BTD)

2nd Semester, Core 2.3, Paper-203

Woven Fabric Structure and Design

Theory Credits-02, Practical Credit-02

UNIT-I

Definition of woven fabrics and their historical development.

Basic Features of Woven Fabrics: Explanation of warp, weft, selvage, grain line, yarn count and GSM in woven fabrics.

Importance of fabric structure, Classification of weave.

Operation of woven cloth production - Notation of weave - Types of loom - Method of weave Representation - Weave Repeat - Draft and lifting plan.

UNIT-II Introduction to Basic Weaves

Detailed explanation of plain, twill, and satin weaves and their structures, properties, and applications of each weave. • Decorative Weaves:

Graph Representation of Basic Weaves: Introduction to graph representation techniques for weave structures. Explanation of drafting and lifting plans for basic weave patterns.

Evaluation of woven samples in comparison to graph representations. Understanding the relationship between graph representation and woven fabric.

UNIT-III

Introduction to dobby, jacquard, leno, and other decorative weaves and understanding their unique characteristics and applications.

Graph Representation, drafting and lifting plan of Decorative and other complex Weaves: Honeycomb, Mock leno, Huck-a-back, Bedford Cord, Pique, Cork Screw. Extra Warp and Extra Weft figuring. Backed Cloth, Double Cloth, Pile fabric (Warp and Weft), Damask and Brocade fabric.

Color & weave effect: Stripes – Horizontal , vertical, Checks

UNIT-IV Fabric Test and their Relation with Weave

Yarn count - Yarn twist - Fabric count - Cover Factor - Drapability - Fabric thickness - Weight of the fabric - Color Fastness Test - Introduction to fabric performance testing.

Defects of weave and remedies.

Course outcomes: On successful completion of the course, the students will be able to:
Analyze the historical development and significance of woven fabrics.
Classify the types of looms and its principles of operation.
Recognize the graphical representation, drafting and lifting plan of basic and decorative weaves.
Identify common defects in woven fabrics and remedies.
Analyse derivatives of elementary and decorative weaves and distinguish their features

Assignments and Practical:

Create a detailed report on various production methods and distinctive features of different woven fabrics.
Identify and analyze physical samples of basic and decorative weaves and prepare a graph book with drafts & peg plan for the woven designs., documenting their characteristics.
Conduct practical exercises to construct elementary weaves using traditional looms showcasing the rectification of defects.
Design and present a complex weave pattern, showcasing the understanding of weaving processes and construction technique
Collect fabric samples of selective weave and test fabric parameters as mentioned in Unit-IV of theory.

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Nisbet Grammar of Textile Design
Grosicki Z J,. "Watson Textile Design and Colour", - . Woodhead Publishing, New Delhi, 1975.
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Shenton, J. (2014). Textile Design. Laurence King Publishing. ISBN: 9781780672853.
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Gokarneshan N., Fabric structure and design - New Age Publishers, New Delhi, 2008

BACHELOR OF TEXTILE DESIGN (BTD)
2nd Semester, Multi- Disciplinary Subject, Paper-204
Art Appreciation
Theory Credits-03

UNIT-I

Definition of art and aesthetics. Classification of art Indian Karu (skill-based) and Charu art (pleasure to soul through senses)

Prehistoric Art: Paleolithic, Mesolithic, Neolithic.

UNIT-II

Mesopotamia , Egyptian Art: Old Kingdom, Middle Kingdom, New Kingdom, Greek Art: Archaic Greece, The Classical Period, Naturalism and Idealization, Barbarian Alternatives: Scythians & Animal Styles, Etruscans Roman Art: Hellenistic Period, Roman Painting, Roman Architecture, Roman Sculpture, Byzantine Art: Ecclesiastical Architecture, The Classical Tradition, Icons and Iconoclasts, The Triumph of Orthodoxy

UNIT-III

Islamic Art: Umayyad Art and Architecture, Abbasid Art and Architecture, Samanid and Seljuk Architecture, Islamic Decoration, Mughal Art and Architecture

UNIT-IV

Gothic Art & Architecture: High Gothic Art, Sculpture & Painting, English and German Gothic, Italian Gothic, Secular and International Gothic, Renaissance Art: The beginnings of Italian Renaissance, Early Renaissance, Architecture in Italy, Sculpture in Italy, Italian Painting and Church, Secular Painting, The High Renaissance in Italy, The Venetian High Renaissance

UNIT-V

20th-Century Art: Expressionism, Cubism, Futurism, Dada, Surrealism, Abstract Expressionism, Pop Art, Op Art, Minimalism, Performance Art, Environmental Art, Neo Expressionism, Postmodernism.

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

Students will be acquainted with the historical art forms.

Students will get the understanding of ancient historic art of various eras.

Reference books:

A world history of Art (17th Edition) by Hugh Honour & John Fleming published by Pearson Prentice Hall, 984 pages

Arnason, H. H., & Mansfield, E. (2012). History of Modern Art: Painting, Sculpture, Architecture, Photography. Pearson.

Sayre, H. M. (2012). A World of Art. Pearson.

Mitter, P. (2017). Western theories of beauty and Non-Western peoples. In Sophia Studies in Cross-Cultural Philosophy of Traditions and Cultures (pp. 79–89).

Bloomsbury Research Handbook of Indian Aesthetics and the Philosophy of Art. (2016).

Bloomsbury Publishing Plc eBooks. <https://doi.org/10.5040/978147421900>

Fichner-Rathus, L. (2018). Understanding Art. Cengage Learning.

BACHELOR OF TEXTILE DESIGN (BTD)

2nd Semester, SECC, Paper-205

Communicative English

Theory Credits-04

Expansion of an Idea

Denotation (Literal meaning)

Connotation (Extended meaning)

Exemplification

Reading Comprehension

Types of Passages – Descriptive, Narrative, Analytical, Argumentative

Reading sub- skill- Skimming, Scanning, Predicting, interface.

Precis writing –

Note making

Giving an appropriate title.

Dialogue writing: Greeting / Ice breaking

Turn taking

Taking leave/ Ending the conversation

Guided story writing: Plot

Character

Time

Place

Setting

Letter writing (Personal)

Format of the letter

Writing ads/ notices/news reports

Format of the above

Students to learn the six questions,

Answers to which constitute good writing – who, what, when, where, why, how.

Use of connectives

Types and functions

Examples and practices

Essay writing

Structure: Beginning, Middle, End

Information Transfer

(Pi charts, bar diagrams, flow charts, graphs)

From non – verbal to verbal

BACHELOR IN TEXTILE DESIGN (BTD)

2nd Semester, SEC, Paper-206

Yoga in Every Day Life

Theory Credits-03

Course Objectives: . To introduce the students to the concept and importance of Yoga in modern lifestyle. To introduce students to the origin, history and fundamental principles and practices of yoga To equip students with practical yoga techniques for stress management, focus enhancement, and improved posture relevant to the design profession To enable students to adopt Yoga practices like Sukshma Vyayam, Asana, Pranayama, Mudra & Dhyan in their daily life. To inculcate value education for development of holistic personality To develop understanding of principles of healthy diet & living To enhance students' overall health and vitality, contributing to their professional and personal development.

Learning Outcomes Upon successful completion of this course, students will be able to:

Understand the concepts, principles, and significance of Yoga in modern lifestyle. Develop critical understanding of evolution of yoga Understand different streams of yoga. Know the concept of Human values and its application in daily life. Apply yoga practices to manage stress, improve focus, and enhance creativity in the respective profession. Know the yogic principles of healthy living Articulate the benefits of yoga for enhancing overall professional performance and personal growth.

Unit I: Introduction to Yoga:15 lectures

Introduction to Yoga : Meaning & Definition of Yoga, Aims & Objectives of Yoga, Misconceptions about Yoga, Understanding the fundamental difference between Yoga & Exercise (Vyayam) , Importance of Yoga in Daily life, Origin & history of yoga, Principles of Yoga & Yogic Practices (Do's& Don'ts), Asthanga Yoga of Maharshi Patanjali, The streams of Yoga : Jnana Yoga, Bhakti Yoga, Karma Yoga, Raja Yoga. Prashanatrayer, Purusartha Chatustaya.

Unit 2 : Ethical Foundations of Yoga and Human Values : 15 lectures

Human Values: : Meaning, Definition and Concept of Human Values in Indian Philosophy, Importance of Yogic Values in daily life, Yamas and Niyamas: The Morality and Ethics in Yoga, How to apply these principles in daily life. Yogic principles of Healthy Living: ahara, vihar, achar, vichar, Need of yoga for positive health, Dietary considerations for yoga practice, Yoga for Stress Management: Techniques for managing stress and anxiety through yoga, The importance of different relaxation techniques, Role of Yoga in Self-Discipline, Patience, and Decision-Making, Integrating yoga principles in enhancing the techniques in fashion design.

Unit 3 : Practical : Sukhma Vyayam : 15 lectures

Prayer, Loosening Practices: padanguli namaan and goolf naman, goolf chakra, goolf ghoornana, Janu naman, Ardha titli asana, Poorna Titli Asana Musthika bandhana, manibandha naman, manibandha chakra, kehuni naman, kehuni chakra, skandha chakra, Greeva sanchalana, padachakrasana, padasanchalanasana, rajukarshanasana, chaki chalanasana, Yoga exercise for the Eyes: palming, sideways viewing ,up and down viewing, rotational viewing, dhristi shakti vikashaka, Smarana Shakti Vikashaka, Medha Shakti Vikashaka, Netra Shakti Vikashaka, Karna Shakti Vikashaka, yogic practices for creativity

Unit 4 :Yoga Practical: Some selected Yogasans :15 lectures

Surya Namaskar, Standing postures: Tadasana, Vriksasana, pada hastasana, Ardha chakrasana, Trikonasana. Sitting Postures: Dandasana, Padmasana, Ardha ustrasana, Sasankasana, Vakrasana, Yoga Mudra Prone Postures: Bhujangasana, Shalabhasana, Makarasan, Supine postures: Setubandhasana, Pavanmuktasana, Uttanapadasana, Markatasana, Shavasana, Mudra: Chin Mudra, Gyana Mudra, Maha Mudra. Pranayama: Deep Long Breathing, Anuloma Viloma Pranayama, Kapalabhati, Chandra Bhedi and Surya Bhedi Pranayama, Bhramari Pranayama, Meditation (A,U,M, & AUM Chanting) , precautions and contraindications in yogic practices, Sankalpa , Shanti Patha .

Recommended Books

Yoga for Modern Living – Swami Sivananda

Light on Yoga – B.K.S. Iyengar

Yoga for Wellness – Ministry of AYUSH

Yoga in Everyday Life – Swami Maheshwarananda

The Heart of Yoga – T.K.V. Desikachar

Asana Pranayama Mudra Bandha- Swami Satyananda Saraswati

Human Values- Swami Visharadanada

Yoga Education: Bachelor of Education Programme: NCTE

Yoga Education: Diploma in Elementary Education. NCTE

Alignment with NEP: Holistic Development: The course focuses on the physical, mental, and emotional well-being of students.

Skill Development: The course equips students with practical skills in yoga and mindfulness, which are valuable for their personal and professional lives.

Flexibility: The course can be adapted to accommodate students with varying levels of yoga experience.

Ethical and Sustainable Values: The course emphasizes the importance of ethical and sustainable practices in fashion design.

Multidisciplinary Approach: It combines the study of yoga along with fashion design.

Pedagogy:

Interactive lectures and discussions.

Practical yoga sessions and demonstrations.

PPT Presentations.

Guest lectures by yoga experts.

Resources:

Yoga mats, cushions, and other necessary props.

Reference books and online resources on yoga.

Guest speakers.

This comprehensive course design will not only enhance the students' well-being but also enrich their creative process and contribute to a more sustainable and ethical fashion industry.
