

S-25 March, 2013 AC after Circulars from Circular No.153 & onwards

- 43 -

**DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY**

**CIRCULAR NO.ACAD/NP/B.Sc.-Ist Yr./SEM.-I & II/173/2013**

It is hereby notified for information of all concerned that, on the recommendations of the Board of Studies/Ad-hoc Boards/Committee under the Faculty of Science, the Hon'ble Vice-Chancellor has accepted the **following revised syllabi for B.Sc. First Year progressively and Syllabus of B.Sc. Textile and Interior Decoration, Semester-V & VI** on behalf of the **Academic Council Under Section-14(7) of the Maharashtra Universities Act, 1994 as appended herewith.**

Sr. No.	Revised Syllabus	
[1]	B.Sc. [Instrumentation Practice]	Semester- I & II,
[2]	B.Sc. [Forensic Science]	Semester- I & II,
[3]	B.Sc. [Bio-Chemistry]	Semester- I & II,
[4]	B.Sc. [Networking & Multimedia]	Semester- I & II,
[5]	B.Sc. [Agro Chemical Fertilizer]	Semester- I & II,
[6]	B.Sc. [Analytical Chemistry]	Semester- I & II,
[7]	B.Sc. [Polymer Chemistry]	Semester- I & II,
[8]	B.Sc. [Environmental Science]	Semester- I & II,
[9]	B.Sc. [Textile & Interior Decoration]	Semester- V & VI,

This is effective from the **Academic Year 2013-2014** and onwards.

These syllabi are available on the University Website **www.bamu.net**

All concerned are requested to note the contents of this circular and bring the notice to the students, teachers and staff for their information and necessary action.

University Campus,  
Aurangabad-431 004.  
REF.NO.ACAD/NP/B.Sc.-1ST YEAR/  
Sem-I & II/2013/10191-640  
**V.C.14[7]A-03.**

Date:- 03-06-2013.

★  
★  
★  
★  
★  
★  
★

\*\*\*\*\*

*S. K. Ambekar*  
**Director,**  
**Board of College and**  
**University Development.**

S-25 March, 2013 AC after Circulars from Circular No.153 & onwards

- 44 -

:: [2] ::

**Copy forwarded with compliments to :-**

- 1] **The Principals, affiliated concerned Colleges,  
Dr. Babasaheb Ambedkar Marathwada University.**
- 2] **The Director, University Network & Information Centre, UNIC, with  
a request to upload the above all syllabi on University Website  
[www.bamu.net].**

**Copy to :-**

- 1] The Controller of Examinations,
- 2] The Superintendent, [B.Sc. Unit],
- 3] The Superintendent, [Eligibility Unit],
- 4] The Programmer [Computer Unit-1] Examinations,
- 5] The Programmer [Computer Unit-2] Examinations,
- 6] The Director, [E-Suvidha Kendra], in-front of Registrar's Quarter,  
Dr. Babasaheb Ambedkar Marathwada University,
- 7] The Public Relation Officer,
- 8] The Record Keeper,  
Dr. Babasaheb Ambedkar Marathwada University.

S\*/030613/-

==\*\*==

**DR. BABASAHEB AMBEDKAR  
MARATHWADA UNIVERSITY,  
AURANGABAD.**



**Syllabus of**

**B.Sc. IIIRD YEAR**

**Textile & Interior Decoration**

**SEMESTER-V & VI**

**THREE YEAR DEGREE COURSE**

*[ Effective from 2013-14 & onwards ]*

## Third Year –Fifth Semester

### Basics of Computer Science Application –III ( Photoshop ) -

#### Practical

**Code: 3527**

Max. marks: 30

Practical: 04 hrs/week

Internal assessment: 20

#### 1. **INTRODUCTION TO ADOBE PHOTOSHOP CS4**

- About Photoshop
- Navigating Photoshop
- Menus and panels
- Opening new files
- Opening existing files

#### 2. **Getting Started with Photoshop**

- Exploring the Toolbox
- The New CS4 Applications Bar & the Options Bar
- Exploring Panels & Menus
- Creating & Viewing a New Document
- Customizing the Interface Setting Preferences

#### 3. **Working with Images**

- Zooming & Panning an Image
- Working with Multiple Images, Rulers, Guides & Grids
- Undoing Steps with History
- Adjusting Color with the New Adjustments Panel
- The New Masks Panel & Vibrance Color Correction Command
- The New Note Tool & the Save for Web & Devices Interface
- The New Auto-Blend & Auto-Align Layers Commands
- The New 3D Commands

#### **4. *Resizing & Cropping Images***

- Understanding Pixels & Resolution
- The Image Size Command
- Interpolation Options
- Resizing for Print & Web
- Cropping & Straightening an Image
- Adjusting Canvas Size & Canvas Rotation

#### **5. *Working With Basic Selections***

- Selecting with the Elliptical Marquee Tool
- Using the Magic Wand & Free Transform Tool
- Selecting with the Regular & Polygonal Lasso Tools
- Combining Selections
- Using the Magnetic Lasso Tool
- Using the Quick Selection Tool & Refine Edge
- Modifying Selections

#### **6. *Getting Started With Layers***

- Understanding the Background Layer
- Creating, Selecting, Linking & Deleting Layers
- Locking & Merging Layers
- Copying Layers, Using Perspective & Layer Styles
- Filling & Grouping Layers
- Introduction to Blending Modes
- Blending Modes, Opacity & Fill
- Creating & Modifying Text

#### **7. *Painting In Photoshop***

- Using the Brush Tool
- Working with Colors & Swatches
- Creating & Using Gradients
- Creating & Working with Brushes
- Using the Pencil & Eraser Tools
- Painting with Selections

### **8 .Photo Retouching**

- The Red Eye Tool
- The Clone Stamp Tool
- The Patch Tool & the Healing Brush Tool
- The Spot Healing Brush Tool
- The Color Replacement Tool
- The Toning & Focus Tools
- Painting with History

### **9. Introduction To Color Correction**

- Color Spaces & Color Modes
- The Variations Command
- The Auto Commands
- Adjusting Levels
- Adjust Curves, Non-Destructively, with Adjustment Layers

### **10. Using Quick Mask Mode**

- Quick Mask Options
- Painting a Selection
- Saving & Removing a Selection from the Background

### **11. Working With The Pen Tool**

- Understanding Paths & the Pen Tool
- Creating Straight & Curved Paths
- Creating Combo Paths
- Creating a Clipping Path

### **12. Creating Special Effects**

- Getting Started with Photoshop Filters
- Smart Filters
- Creating Text Effects
- Applying Gradients to Text

### **13. Exporting Your Work**

- Saving with Different File Formats
- Saving for Web & Devices
- Printing Options
- Credits

### **Recommended Books**

- **Adobe Photoshop**
- **Adobe Photoshop CS4**
- **Adobe Photoshop CS4 (Classroom in a Book) - Techmedia**

## **Third year-Fifth Semester**

### **Fine Arts Drawing Sculpture & Painting-II (Theory)**

**Code: 3528**

Max. marks: 30

Theory: 03 hrs/week

Internal assessment: 20

### **Contents**

#### **1. Sculpture and Painting in the West.**

##### **a) Ancient Art**

- 1) Egyptian Art- Old kingdom, New kingdom
- 2) Sumerian Art
- 3) Assyrian Art - Relief

##### **b) Classical Art**

- 1) Greek Art - Archaic period, Classical period, Hellenistic period
- 2) Roman Art - Portrait Sculpture

**c) Medieval Art**

- 1) Early Christian Art - Catacombs
- 2) Byzantine Art - Mosaics
- 3) Roman esqe Art
- 4) Gothic Art

**d) Renaissance Art**

- 1) Italy - Early and High Renaissance
- 2) Baroque

**2. North**

Spain : El Greco Velasquez, Goya

France : Nicolas Poussin Jacques - Lois David, Antoin Watteau, Fountain Bleu School, Delacroix, Ingres

England : William Hogarth, Thomas Gains Borouhg, Joshua Reynolds John Constable, William Turner

**3.Modern Art :**

Realism, Impressionism - Manet, Monet, Pissarro. Post - Impressionism Art Nouveau Fauvism, Cubism Futurism, Expressionism, Surrealism, Abstract Art, Abstract expressionism.

**4. Nature Study and Object Drawing.**

Study of two or three natural and geometric forms in pencil with light and shade from a fixed point of view. Natural forms like plants, vegetables, fruits and flowers etc. are to be used. Geometrical forms or objects based on geometrical forms like cubes, cones, prisms, cylinders and spheres should be used.

**5. Modelling**

- (a) Modelling in Relief on given subjects from life and nature.
- (b) Modelling in Round on given subjects from life and nature.
- (c) Handling of clay and its techniques, pinching, coiling, rolling etc.



## **Fine Arts Drawing Sculpture & Painting-II (Practical)**

Theory : 04 hrs/week

Max. marks: 30

Internal assessment: 20

1. Visits to various art galleries, exhibitions, museums and places of artistic value.
2. Drawing from Still-Life and Nature, pencil monochrome colour.
3. Minimum two Sculpture on different subjects from art, life and nature.

### ***Recommended Books***

1. Art through the ages (8th Edition) : Horst de la Croix Richard G. Tansey
2. History of World Art : Everard M. Up John Paul S. Wingert, John Guston Mahler
3. Prehistoric & Ancient Art : Rene Huyghe
4. Dictionary of Art & Artists : Peter & Linda Murray
5. Dictionary of Art Terms : Edward Lucie Smith
6. Form and Space", Edward Their, Thames and Hudson, London.
7. "Sculpture and Ideas", Michael F. Andrews.
8. "Modern Sculpture", Jean Selz, Heinemann, London.
9. Applied Art Handbook – G.M. Rege, Bombay.

## Third Year –Fifth Semester

### Communication Skills ( Theory)

**Code: 3529**

Max. marks: 30

Practical: 04 hrs/week

Internal assessment: 20

Unit I – Communication – Meaning, Principles, Characterisation Process and barriers in communication TCS of communications completeness, conciseness, consideration, concreteness, clarity , courtesy, correctness.

Unit II Types / Channels of Communication –formal upward, down word, vertical , horizontal, Informal, Interpersonal, Mass Communication, verbal and non-verbal communication .

Unit III Media of communication – print media electronic media – functions , limitation and classification.

#### **Unit IV - Business Communication of Workplace –**

- i) Job application letter, Resume , Good – Will letters, E-Mail
- ii) Techniques to improve communication – listening , speaking , reading , writing.

#### **Assessment**

- i) Preparation of Print Media – Pamphlet
- ii) Drafting a good -will letter, job application letter and resume.

#### **Reference**

- O.P.Dhama&O.P.Bhat Nagar “ Education and Communication for Development”
- G.L. Ray, ”Extension Education &Communication ”.
- Supe S.V., “Extension Education & Communication”

## Third Year –Fifth Semester

# World Costumes

**Code: 3530**

Max. marks: 30

Practical: 04 hrs/week

Internal assessment: 20

### **Unit I - Costumes of China**

- a) Costumes of Manchu Men. ( Dragon Role )
- b) Costumes of Manchu Women ( Worn by imperial family )
- c) Mandau an garments.

### **Unit II - Costume of Japan**

- a) Kimona – different forms ( Kosode, Furisode, Koshmohi )
- b) Japans Bridal Attire
- c) Study of under Clothes for getting the smooth foundation of Kimona – Haori Cloth, Hadayuban, susoyoke..

### **Unit III- Costume of Egypt**

- a) Mens clothing –Loin Cloth, Kilt, Sachenit & Corselet
- b) Womens Clothing – gala ,kalasis

### **Unit IV- Costume of Rome**

- a) Men Clothing – Tog, Tunic, Lacerna, and sabilgaculum
- b) Women Clothing – Lona , Stoola,

### **Unit V- Costume of Greece**

- a) Doric Chiton
- b) Chalmys
- c) Ionic
- d) Tunic

**Reference :**

1. Encyclopaedia of world costumes – Doreen Yearwood
2. Encyclopaedia of world Dress and Fashion – Joanne B. Eich.
3. [WWW.Amaron.Com](http://WWW.Amaron.Com)

**Assignment:** - a file on collection of picture of different tradition world costumes.

## Third Year –Fifth Semester

### Dying and Printing ( Theory )

**Code: 3531**

Max. marks: 30

Practical: 04 hrs/week

Internal assessment: 20

#### **Unit I - Study of dyes**

- a) Classification of dyes
- b) Natural of dyes - Plant , Animal and Mineral Dyes.
- c) Synthetic Dyes – Acid, Basic, Vat , Sulphur, Mordant , Direct Pigment dyes, Azoic & Naphtol Dyes.

#### **Unit II - Dyeing Method**

- a) Fiber dyeing - Stock Dyeing
- b) Yarn Dyeing -
  - i) Skein Dyeing
  - ii) Hank Dyeing
  - iii) Spool dyeing
- C) Fabric Dyeing -
  - i) Padding mangle
  - ii) Jet Dyeing
  - iii) Winch Dyeing

#### **Unit III- Printing Methods**

- a) Block Printing
- b) Screen Printing
- c) Discharge & Resist Printing
- d) Batik Printing
- e) Roller Printing
- f) Tie and Dye Printing
- g) Stencil printing
- h) Flock printing

#### **Assignment:**

Collection of design for different printing methods

## Third Year –Fifth Semester

### **Dying and Printing ( Practical )**

**Code: 3531**

Max. marks: 30

Practical: 04 hrs/week

Internal assessment: 20

- 1).Dyeing of different fabric using direct, acid and vat dyes.
- 2)Preparation of Screen for screen printing
- 3)Making of samples using different printing techniques.
  - Batik
  - Tie and dye
  - Stencil
  - Screen
  - Block
  - Flock

References;

- i) Household textiles and clothing by Durga Deulkar
- ii) Textiles fifth edition By Norma n Hollen
- iii) Dyeing and Printing by John Foulds

## **Third Year-Fifth Semester**

### **Fabric Designing (Practical)**

Code.no – 3532

Max. Marks. 30

Period/wk: 4

Internal Assessment: 20

1. Weave Construction- (using marble paper)-  
plain weave, basket weave, twill weave (right and left), satin weave, sateen weave, honey comb weave.
2. Identifying the weaves of the fabric using pick glass and showing it on one inch graph paper- (10 samples of different weave)
3. Designing the fabric using different types of repeats (on a chart paper)
  - Simple repeat (all over patterns)
  - Half repeat (vertical and horizontal)
  - Diagonal line repeat
  - Border and body repeat
4. Designing the sari showing the border, body and pallav.

Third year-Fifth Semester  
**Design Project (Practical)**  
**(garments)**

Code.no – 3533  
Period/wk: 4

Max. Marks. 50  
Internal Assessment: 50

Theme based garment designing

1. Mood Board- designing of 9 garments for different moods- casual wear, party wear, wedding, picnic, office wear, formal wear, sportswear, children wear.
2. Sketching for the above collection considerably color, texture, design and silhouette.
3. Developing one garment from the collection showing- technical drawing, Drafting  $\frac{1}{4}$  scales, full scale drafting, laying, cutting and stitching the garment.



**Third year-Sixth Semester**  
**Entrepreneurship Development ( Theory )**

Code.no – 3634  
Period/wk: 4

Max. Marks. 30  
Internal Assessment: 20

- I) Introduction to Entrepreneurship :-
  - i) Definition, Concept and need for entrepreneurship
  - ii) Scope and Characteristics of entrepreneurship
  - iii) Kindly of entrepreneurship : proprietary, Partnership an group entrepreneurship
  
- II) i) Entrepreneurial qualities  
ii) Barriers of Entrepreneurship
  
- III) Set-up of a new venture – search for business idea project identification , legal requirement for establishment of new unit, Raising funds, Preparation of Project report.
  
- IV) Government policies and scheme for Entrepreneur Development

**Assignment**

Design a project proposal for a small scale industry.

## Third year-Sixth Semester

### Resource Management ( Theory )

Code.no – 3635  
Period/wk: 4

Max. Marks. 30  
Internal Assessment: 20

- I - Introduction to Management – Definition**  
Importance and process of Home Management
  
- II - Factors Motivation Management:**
  - i) Values - Importance, Sources , Classification & Characteristics
  - ii) Goals - Definition , Types
  - iii) Standards - Definition , Classification
  - iv) Resources - Types, Characteristics
  - v) Decision Making - Process , Types of Decisions
  - vi) Work Simplification - Definition, Importance Mundels  
Classes of change, Techniques of work simplification
  
- III - Family Income management : Concept types of income, household budget – steps , importance , account keeping types and importance :**

#### **Assignment :**

Making monthly family budgets for different income groups ( Low, Middle & High )

**Reference :**

1. Grass & Crandall " Management of Modern living "
2. Nickell& Dorsey, " Management of family living
3. GeralalMadlex, " Work Simplification"
4. Chatterjee, " Introduction to Management "
5. Verges M.A. gale N.N. & K. Srinivar , " Home Management "
6. PremlataMallick " Elements of Home Science"
7. Franchis&Taylon, " Ergonomics of Home"
8. Journal of Ergonomics by Franchis&Taylon.
9. Grand Jeans Ettiens 1978. Ergonomics of the home Taylor and Frances London.
10. Wilson J.R. and Covie N.(2011) Evaluation of Human work, A practical Ergonomics Methodology Taylor.

## Third year-Sixth Semester

### **Ergonomics ( Theory )**

Code. No – 3636

Max. Marks. 30

Period/wk: 4

Internal Assessment: 20

#### **Unit I - Ergonomics -**

- i) Scope of Ergonomics in Home and other occupations
- ii) Nature of work in household and other occupations
- iii) Inter disciplinary and applied nature of ergonomics as a field of study
- iv) Man-Machine – Environment System.

#### **Unit II - Physiological aspects of work.**

- i) Static & Dynamic Muscular work effort
- ii) Energy requirement for muscular work efficiency
- iii) Energy expenditure for different activities

#### **Unit III Anthropometry & Biomechanics :**

- i) Definition & Scope
- ii) Posture
- iii) Correct techniques of lifting and carrying weights
- iv) Work Centre
- v) Equipment & Tools

#### **Unit IV Environment**

- i) Physical
- ii) Heat
- iii) Noise, Music
- iv) Vibrations
- v) Lighting
- vi) Atmospheric pollution

#### **Assignments :-**

- i) Survey and report writing of ergonomic furniture available in the market.
- ii) Making a scrap book on ergonomics furniture.

## **Third Year-Sixth Semester**

### **Graphic Designs - PRACTICAL**

**Code: 3637**

**Max. marks: 30**

**Practical: 04 hrs/week**

**Internal assessment: 20**

#### **Contents**

- A) Introduction of drawing equipments, materials and methods of using them.  
Scale & its application for drawing geometric shapes.
- B) Rendering techniques of 2D drawings along with human figures, accessories with and without using stencils.
- C) Lettering – Different styles.
- D) Free hand sketching of furniture, and interior schemes, landscape etc.
- E) Orthographic projections of geometric forms & furniture items
- F) Sketching and Rendering Techniques, Rendering in 2D & 3D
- G) 3 D projections ( Isometric,Hexanometric, Axonometric )
- H) Block model making.
- I) 3 D projection view of interior design topic.
- J) Proficiency in 3D drawings
- K) Perspectives with measuring point methods.
  - a) One point three wall
  - b) Two point two wall
  - c) Two point three wall
  - d) Plano metric
- L) Sciography in 2D & 3D drawings for Interior Schemes
- M) Model making of interior scheme.
- N) Presentation drawings with different media.

**Recommended Books**

- **Rendering with Pen and Ink**
- **Engineering Drawing – N.D.Bhatt**
- **Civil Engineering Drawing – Shah, Kale and Patki**

## Third year-Sixth Semester

### **Portfolio Development (Practical)**

Code. No – 3638

Max. Marks. 50

Period/wk: 4

Internal Assessment: 50

1. Designing for various types of clients on subjects like for TV shows, for celebrations, for birthday parties, movies, events, traditional Indian festivals etc. (any one subject)
2. Making portfolio's of the above chosen subjects using following steps for designing (five designs)
  - Mood board
  - Story board
  - Flats
  - Specification sheets
  - Cost sheets

#### **Reference-**

Designing your fashion portfolio's from concept to presentation

By Joanne Cresi Barnett

## **Third Year-Sixth Semester**

### **Design Project (Interior Decoration) – (Practical)**

**Code: 3639**

Max. marks: 50

Practical: 08 hrs/week

Internal assessment: 50

#### **Course Goals and Objectives**

To Enables Students:

- a) Appreciate and understand the evolution of fine arts.
- b) Be creative in Interior Decoration.

#### **Contents**

Two Interior Design problems of complete species with creative outlook.

1. One hall scheme of residential interior having maximum types of residential activities (up to three bedroom unit).
2. One commercial interior problems having area from 200 to 450 sq.mt.  
(Five star hotels, resorts, hospitals, theatres, Corporate offices, computer centers, electronic offices, Industrial administrator building interiors etc.)
3. One time problem of commercial interior having area from 250 to 400 sq. mt.

(Drawings include – presentation drawings, Enlarge detail drawings, services layout drawings.)



## Third year-Sixth semester

### **Implant training for 2 months (practical)**

Course code- 3640  
Hours/wk- 8

Max Marks- 50  
Internal Assessment- 50

- Two months implant training under architecture/ interior decorator
- OR**
- Two months implant training in garment industry or dying and printing unit.

-==\*-

**S\*/-050613/-**