



**AMITY UNIVERSITY**  
— UTTAR PRADESH —

**FORMAT FOR COURSE CURRICULUM**

**Course Title: FUNDAMENTALS OF TEXTILES – II**

**Course Level: UG**  
**Credit Units: 02**

**Course Code:**

| L | T | P/S | SW/F<br>W | TOTAL<br>CREDIT<br>UNITS |
|---|---|-----|-----------|--------------------------|
| 2 | 0 | -   | -         | 2                        |

**Course Objectives:** The contents of the third semester relates to the enhancement of textile products through the application of colour by dyeing or printing techniques. Finishing methods presents the aesthetic and functional values of textiles and their feasibility with respect to Importance, appearance & performance.

**Pre-requisites: FOT-I**

**Course Contents/Syllabus:**

|                                                                                                                                                   | Weightage (%) |
|---------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| <b>Module I: Introduction to Dyes</b><br>Definition, Classification & properties of dyes. Pre – processes of dyeing.                              | 20%           |
| <b>Module II: Dyeing</b><br>Definition & general theory. Different Stages of dyeing & dyeing defects. Application of various dyes. Colorfastness. | 20%           |
| <b>Module III: Printing</b>                                                                                                                       | 20%           |

|                                                                                                                                                      |            |
|------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| Definition & general theory. Methods and styles of printing along with practical application; Direct & Resist. Printing defects                      |            |
| <b>Module IV: Finishes</b>                                                                                                                           | <b>20%</b> |
| Introduction, Definition, Importance, objective and methods employed for imparting finishes; Classification – Permanent and Non- permanent finishes. |            |
| <b>Module V: Identification of Fabrics</b>                                                                                                           | <b>20%</b> |
| Identification of Fabrics                                                                                                                            |            |

**Student Learning Outcomes:** By the end of this course, students will be able to

- Define and classify different types of dyes, printing and finishes
- Apply different methods of dyeing and printing to any textile surface
- Evaluate dyeing and printing quality using color fastness
- Classify different types of finishes as per their application and end uses

**Pedagogy for Course Delivery:**

- Power point presentation
- Videos/animated files of various process involved
- Field Based Learning
- Case Based Learning

**Lab/ Practicals details, if applicable: NA**

**Assessment/ Examination Scheme:**

| Theory L/T (%) | Lab/Practical/Studio (%) | End Term Examination |
|----------------|--------------------------|----------------------|
| 100%           |                          | Theory               |

**Theory Assessment (L&T):**

| Continuous Assessment/Internal Assessment |            |         |            |               | End Term Examination |
|-------------------------------------------|------------|---------|------------|---------------|----------------------|
| Components (Drop down)                    | Class test | Project | Attendance | External exam |                      |
| Weightage (%)                             | 15         | 10      | 5          | 70            |                      |

**Lab/ Practical/ Studio Assessment: NA**

| Continuous Assessment/Internal Assessment |  |  |  |  | End Term Examination |  |  |
|-------------------------------------------|--|--|--|--|----------------------|--|--|
| Components (Drop down)                    |  |  |  |  |                      |  |  |
| Weightage (%)                             |  |  |  |  |                      |  |  |

### **Text & References:**

#### *Text:*

- Walls K, Fabric Dyeing & Printing
- Corbman B P, Fiber to fabric
- Gohl EPG & L D Vilnsky, Textile Science.

#### *References:*

- Pepin Press, Indian Textile Prints
- Irene Enery, Primary structure of Fabrics
- Phyllis Tortora, Understanding Textiles.
- Kadolph & Langford, Textiles.
- Shenai, Dyeing and printing

### **Any other Study Material:**

- Shoin K, World Textile Collection.
- Thames & Hudsan, Book of Silk.
- Thames & Hudsan, Carpet & textile Pattern.
- Images and Apparel Online
- Asian Textile journal