

SKILL ENHANCEMENT COURSE
ECO-PRINTING ON TEXTILES

CREDIT:2 (PRACTICAL)

TOTAL PERIODS: 60 PERIODS/ 15 WEEKS

Course title & Code	Credits	Credit distribution of the course			Eligibility criteria	Pre-requisites of the course (if any)
		Lecture	Tutorial	Practical/ Practice		
ECO-PRINTING ON TEXTILES	2	0	0	4	XII Pass	NIL

1. Learning Objectives

- To familiarize students with various plant materials that are available locally.
- To impart hands-on skills for printing on fabrics using plant materials.
- To inculcate the skills for developing sustainable and environmentally friendly products.

2. Learning Outcomes

The student will be able to:

- To gain knowledge of materials and methods that are environmentally sustainable with low carbon footprints
- To develop skills in using plant materials in their natural form as a medium for textile fabric ornamentation
- To appreciate a user-friendly application of natural materials to pave way for a small-scale entrepreneurial set-up.

MAIN COURSE STRUCTURE

Credits: 2; Hours: 60

Unit I : Introduction to Flora

(6 Hours)

- Understanding of locally available plant materials in relation to the hues, pigments present, seasonality in flowering or growth, cost and current usage - marigold flowers, rose flowers, eucalyptus leaves etc.

Unit II : Selection and Preparation of Fabric

(16 Hours)

- Desizing and scouring of cellulosic and protein-based fabrics
- Mordanting of fabrics using metallic and non-metallic based mordants like Alum, FeSo₄, Myrobalan, Pomegranate peels etc

Unit III : Eco Printing Techniques

(18 Hours)

- Placement of plant material
- Transfer of prints: pounding, rolling, wrapping, steaming, boiling, ageing

Unit IV : Product Development

(20 Hours)

- Development of simple products like stoles, kaftans, bags, cushions in different techniques, plant materials and textile substrates.

3. Teaching Methodology/Activities in the classroom

- Review of design effects of works of existing textile artists doing eco prints
- Sourcing of plant materials
- Hands-on exploration of developing prints on different fabrics and making a sample portfolio

4. Assessment Pattern for each Unit/practical. Component of Attendance in the Assessment of 1 credit theory course

- As per the university guidelines

5. Mapping with the next suggestive course

- Surface Ornamentation

- Textile Printing

6. Prospective Job Roles after a particular course

- The student would develop an aesthetic sensibility to work as a textile designer
- Having understood the costs involved and sourcing of plant material along with the techniques, the student could work as an entrepreneur as well.

Essential Reading

1. Bintrim, R. (2008). Eco Colour: Botanical dyes for beautiful textiles by India Flint.
2. Boutrup, J., & Ellis, C. (2018). The art and science of natural dyes: principles, experiments, and results. Schiffer Publishing, Limited.
3. Behan, B. (2018). Botanical inks: Plant-to-print dyes, techniques and projects. Hardie Grant Publishing

Suggestive Reading

1. Dean, J. (1999). Wild color. (*No Title*).