

Syllabus

Master of Design - Textiles
Department of Silpa-Sadana, PSV

Semester - I

Subject Code	Subject	Credit	Mode of teaching	Marks	Internal	External	Course Objective/ Outcome
MTD-I/01	Aesthetic Skill	4	Practical	100	50	50	Skill development
MTD-I/02	Design Overview	4	Practical	100	50	50	Skill development
MTD-I/03	Textile Technology	4	Theory	100	20	80	Domain knowledge enrichment and employability
MTD-I/04	Design Project – I (Surface Ornamentation)	12	Practical	300	150	150	Employability and entrepreneurship
Total Credits		24		600	270	330	

Subject Code	Subject	Credit	Mode of teaching	Marks	Internal	External
MTD-I/01	Aesthetic Skill	4	Practical	100	50	50
<ul style="list-style-type: none"> • History of Design and Art • The theory of aesthetic activities • Morphology of aesthetic and artistic communication • The essence and diversity of aesthetics • The psychology of aesthetic creation • The impact of aesthetics on the artist, designer and end user. 						

Subject Code	Subject	Credit	Mode of teaching	Marks	Internal	External
MTD-I/02	Design Overview	4	Practical	100	50	50
<p>Contemporary design is grounded in a history of art and design. This course demonstrates the ways in which design has travelled and draws on, and breaks with, visual and cultural traditions of the past and their classification. The course investigates how contemporary design is situated within a broader history by examining various significant creative art forms, art and design movements, concepts and themes which have shaped the way that we use and interpreted images and other creative forms. The course also considers differing approaches to visual representation in the context of wider social, political and historical environments.</p>						

Subject Code	Subject	Credit	Mode of teaching	Marks	Internal	External
MTD-I/03	Textile Technology	4	Theory	100	20	80

Group – A (Marks: 10+40)

- Brief introduction on textile fibres
- Classification of fibres
- Physical and chemical properties of textile fibres
- Types of yarns
- Principles of yarn formation
- Properties of yarns and their specifications
- Types of decorative yarns and principles of formation
- Yarn numbering systems,
- Evaluation of yarn quality parameters

Group – B (Marks: 10+40)

- Principles of fabric structures
- Concept of fundamental & combined weaves and their derivatives
- Simple & compound fabric structures
- Principles of weaving mechanism (including overview of power looms)
- Weaving calculations
- Evaluation of fabric properties
- Cloth analysis

Subject Code	Subject	Credit	Mode of teaching	Marks	Internal	External
MTD-I/04	Design Project – I (Surface Ornamentation)	12	Practical	300	150	150
<ul style="list-style-type: none"> To develop a collection on the given textile surface through various surface ornamentation techniques such as embellishment, different stitches, pleating, smocking, folding etc. 						

Semester - II

Subject Code	Subject	Credit	Mode of teaching	Marks	Internal	External	Course Objective/ Outcome
MTD-II/01	Design Project – II (Woven)	12	Practical	300	150	150	Employability and entrepreneurship
MTD-II/02	Design Project – III (Dyed and Printed)	10	Practical	250	125	125	Employability and entrepreneurship
MTD-II/03	Technology of Dyeing and Printing	2	Theory	50	10	40	Enrichment of domain knowledge and employability
Total Credit		24		600	285	315	

Subject Code	Subject	Credit	Mode of teaching	Marks	Internal	External
MTD-II/01	Design Project – II (Woven)	12	Practical	300	150	150
<p>Advanced woven textiles (Dobby / Jacquard)</p> <ul style="list-style-type: none"> To develop a collection of woven products (using Dobby/Jacquard) 						

Subject Code	Subject	Credit	Mode of teaching	Marks	Internal	External
MTD-II/02	Design Project – III (Dyed and Printed)	10	Practical	250	125	125
<p>Advanced Dyed and Printed Textiles</p> <ul style="list-style-type: none"> To develop a collection of dyed and printed textiles 						

Subject Code	Subject	Credit	Mode of teaching	Marks	Internal	External
MTD-II/03	Technology of Dyeing and Printing	2	Theory	50	10	40
<p>Dyeing</p> <ul style="list-style-type: none"> • Theory of Dyeing and Colour Science • Fundamentals of measuring colour parameters, Viz. Hue, Chroma, Total Colour Difference, whiteness, yellowness, metamerism index etc. • Manual and computerized colour matching systems: merits and demerits • Recent developments in dyestuffs and dyeing • Brief introduction on dyes & pigments. Different dye-fibre interactions • Theory and technology of application of different classes of dyes • Dyeing of common blended fabrics. • Natural Dyes and its application. <p>Printing</p> <ul style="list-style-type: none"> • Introduction on textile Printing • Styles and methods of printing. Ingredients used in printing paste and their functions • Recent developments in printing of different textile fabrics containing natural fibres • Hand screen development by photochemical methods • Printing of textiles with pigment and other classes of dyestuffs. 						

Semester - III

Subject Code	Subject	Credit	Mode of teaching	Marks	Internal	External	Course Objective/ Outcome
MTD-III/01	Design Project – IV (Choice Based)	20	Practical	500	250	250	Employability and entrepreneurship
MTD-III/02	CAD for Textiles	4	Practical	100	50	50	Skill development and employability
Total Credit		24		600	300	300	

Subject Code	Subject	Credit	Mode of teaching	Marks	Internal	External
MTD-III/01	Design Project – IV (Choice based)	20	Practical	500	250	250
<p>Student has to select any one Module from the following:</p> <ul style="list-style-type: none"> • Module 1 - Woven textiles • Module 2 - Dyed and Printed textiles • Module 3 - Surface ornamentation 						

Subject Code	Subject	Credit	Mode of teaching	Marks	Internal	External
MTD-III/02	CAD for Textiles	4	Practical	100	50	50
<ul style="list-style-type: none"> • Use of Textile CAD software and other CAD tools for developing motifs and designs suitable for <ul style="list-style-type: none"> i) Weaving, and ii) Printing 						

Semester - IV

Subject Code	Subject	Credit	Mode of teaching	Marks	Internal	External	Course Objective/ Outcome
MTD-IV/01	Internship	4	Practical	100	-----	100	Skill development and employability
MTD-IV/02	Major Project (Choice Based)	16	Practical	400	200	200	Employability and entrepreneurship
MTD-IV/03	Dissertation (Choice Based)	4	Practical	100	50	50	Enrichment of presentation and project proposal writing skill
Total Credit		24		600	250	350	

Subject Code	Subject	Credit	Mode of teaching	Marks	Internal	External
MTD-IV/01	Internship	4	Practical	100	-----	100

Subject Code	Subject	Credit	Mode of teaching	Marks	Internal	External
MTD-IV/02	Major Project (Choice Based)	16	Practical	400	200	200
<ul style="list-style-type: none"> • To develop a collection on apparel or home furnishing textiles 						

Subject Code	Subject	Credit	Mode of teaching	Marks	Internal	External
MTD-IV/03	Dissertation (Choice Based)	4	Practical	100	50	50