

**K. S. Rangasamy College of Arts and Science (Autonomous),
Tiruchengode - 637 215**

Department of Textile and Fashion Designing

List of New Courses Introduced


- Industrial Engineering in Apparel Industry
- Apparel merchandising
- Fashion Business
- Practical - Computer Application in Fashion-II
- Practical - Printing Techniques

Encls:

1. Copy of Scheme of Examination
2. Syllabus Copy of New Courses
3. Mapping of Courses of New Courses


HoD -TFD

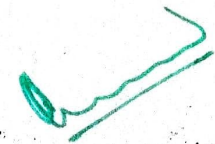

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SCHEME OF EXAMINATION

Subject Code	Subject	Hrs of Instruction	Exam Duration (Hrs)	Maximum Marks			Credit Points
				CA	CE	Total	
First Semester							
Part I							
18UTALB101/ 18UHILB101/ 18UFRLB101	Tamil I / Hindi I/ French I	5	3	25	75	100	3
Part II							
18UENLB101	General English I	5	3	25	75	100	3
Part III							
18UTFM101	Core I : Textile Fibres and yarn	5	3	25	75	100	4
18UTFA101	Allied I : Fundamentals of Apparel Designing	3	3	25	75	100	2
18UTFMP101	Core practical I : Textile Fibres and yarn	3	3	40	60	100	3
18UTFMP102	Core practical II : Fashion Sketching	3	3	40	60	100	3
18UTFAP101	Allied practical I : Fundamental of Apparel Designing	4	3	40	60	100	2
Part IV							
18UVE101	Value Education I: Yoga	2	3	25	75	100	2
Total		30				800	22
Second Semester							
Part I							
18UTALB201/ 18UHILB201/ 18UFRLB201	Tamil II/ Hindi II/ French II	5	3	25	75	100	3
Part II							
18UENLB201	General English II	5	3	25	75	100	3
Part III							
18UTFM201	Core II : Traditional Indian Costume and Textiles	4	3	25	75	100	4
18UTFM202	Core III : Apparel Production Machinerics	4	3	25	75	100	4
18UTFA201	Allied II: Fashion Designing	3	3	25	75	100	2
18UTFMP201	Core Practical III : Fashion Illustration	3	3	40	60	100	2
18UTFAP201	Allied Practical II : Fashion Designing	4	3	40	60	100	2
Part IV							
18UVE201	Value Education II: Environmental Studies	2	3	25	75	100	2
Total		30				800	22



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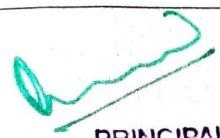
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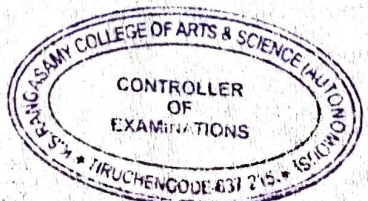
Third Semester


Part III							
18UTFM301	Core -IV: Fabric Manufacturing Technology	5	3	25	75	100	5
18UTFM302	Core - V: Pattern Making and Grading	5	3	25	75	100	5
18UTFA301	Allied III: Care and maintenance of Textile	5	3	25	75	100	4
18UTFMP301	Core practical IV : Fabric Design Analysis	3	3	40	60	100	2
18UTFMP302	Core practical V : Children's Apparel	4	3	40	60	100	4
Part IV							
18UTFSBP301	SBC I: Practical - Computer Application in Fashion-I	3	3	40	60	100	2
	NMEC I	2	3	25	75	100	2
Non- Credit							
18ULS301	Career Competency Skills I	1	-	-	-	-	-
	Add-on course	2					
Total		30				700	24

Fourth Semester

Part III							
18UTFM401	Core - VI : Non Woven & Technical Textiles	5	3	25	75	100	4
18UTFM402	Core - VII : Textile Wet Processing	5	3	25	75	100	5
18UCCTFA401	Allied IV : Apparel Costing and Documentation	5	3	25	75	100	4
18UTFMP401	Core practical VI : Women's apparel	4	3	40	60	100	3
18UTFMP402	Core practical VII : Textile Wet Processing	3	3	40	60	100	2
Part IV							
18UTFSBP401	SBC II : Practical - Computer Application in Fashion-II (100 % Internal Evaluation)	3	3	100	-	100	2
	NMEC II	2	3	25	75	100	2
18UTFI401	Internship Training	-	-	100	-	100	1
Non - Credit							
18ULS401	Career Competency Skills II	1	-	-	-	-	-
	Add on Course*	2					
Total		30				800	23


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Fifth Semester

Part III

18UTFM501	Core - VIII : Quality Assurance of Textile and Apparel	5	3	25	75	100	4
18UTFM502	Core - IX : Apparel Merchandising	5	3	25	75	100	4
18UTFMP501	Core practical VIII- Textile and Garment Testing	4	3	40	60	100	3
18UTFMP502	Core practical IX - Men's apparel	4	3	40	60	100	3
18UTFMP503	Core practical X - Draping for Fashion Designers	4	3	40	60	100	3
Elective-I	Apparel Retailing	4	3	25	75	100	4
	Total Quality Management						

Part IV

18UTFSBP501	SBC practical III : Fashion E- portfolio (100 % Internal Evaluation)	3	3	100	-	100	2
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Part V

18UTFE501	Extension Activity	-	-	-	-	-	2
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Non - Credit

	Career Competency Skills III	1	-	-	-	-	-
Total		30				700	25

Sixth Semester

Part III

18UTFM601	Core - X : Industrial Engineering in Apparel Industry	5	3	25	75	100	4
18UTFM602	Core - XI : Textile Finishing	5	3	25	75	100	4
18UTFM603	Core - XII : Fashion Business	5	3	25	75	100	3
18UTFMP601	Core Practical XI : Computer Aided Textile and Apparel Designing	3	3	40	60	100	3
18UTFPR601	Project & viva voce	4	-	40	60	100	4
Elective-II	Fashion and Visual Merchandising	4	3	25	75	100	4
	Apparel Production Management						

Part IV

18UTFSBP601	SBC Practical IV : Printing Techniques	3	3	40	60	100	2
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Non - Credit

	Career Competency Skills IV	1	-	-	-	-	-
Total		30				700	24

Grand Total


4500 140




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18UTFM502	CORE - IX: APPAREL MERCHANDISING	SEMESTER - V	
Course Objectives:			
The Course aims			
1. To introduce the student to the apparel merchandising segments 2. To acquaint the students with process flow and inspection			
Credit: 4		Total Hours: 50	
UNIT	CONTENTS	Hrs	CO
I	Merchandising: Introduction, Meaning- Apparel Merchandising - Concepts of 'Six Rights' - Organization structure of an apparel industry - Classification of Exporters - Rating or Grading of export houses - Classification of buyers - Export merchandising and retail merchandising - Company profile and its contents	10	CO1
II	Process flow in apparel industry - Tech-pack -Buyer sourcing & communication - Enquiry - Order confirmation - order review and its importance - Planning & programming: Time and action calendar - Factors for route card - programming for yarn, knitting, dyeing, stitching, sampling, accessories - Samples: Meaning & importance - Types of samples - Expedition of samples	10	CO2
III	Inspection and its types - Testing - Check points before cutting - Pilot run or trial run and its importance - Approvals - Types of approvals - Shipping marks - Final inspection procedures - Self, Second and Third party inspection - Effective expedition procedures - Order sheet and its contents - Packing list and its contents - Document formats: order sheet, packing list, invoice, inspection and testing reports etc., - Assortment and its types	10	CO3
IV	Types of merchandiser- Functions of a merchandiser - Essential requisites of a good merchandiser - Vendor sourcing, evaluation and development - Global sourcing - Vendor nomination by buyers - Reasons for vendor nomination - Documents recording and maintenance -	10	CO4


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	Claims and reasons for claims - Factory audits - Buyer's code of conducts		
V	Export associations - Apparel Export Promotion Council - Journals and magazines related to apparel and textiles - Trade shows and Fairs - Participation in trade shows - Advantages of trade shows and fairs - Apparel & Textile Trade shows and fairs in India	10	CO5

TEXT BOOKS:

- 1 Jerry A & Rosenau, **Apparel Merchandising**, Fairchild Publications, London
- 2 Robin Mathew, **Apparel Merchandising**, Book Enclave Publishers, Jaipur
- 3 Krishnakumar.M, **Apparel Merchandising**, An intergrated Approach, 2010, Abishek Publications.

REFERENCE BOOKS:

1. Jerry A & Rosenau, **Apparel Merchandising**, Fairchild Publications, London
2. **Fashion Merchandising & Merchandising**, 4th Edition, Mary. G.Wolfe, **The Goodheart-Willcox Co., Inc**, Illions, 2014.

COURSE OUTCOMES (CO):

After completion of the course, the students will be able to

CO1	Understand the classification of merchandising
CO2	Assess the Process flow in apparel industry
CO3	Analyze the inspection procedures
CO4	Evaluate the merchandising and global sourcing
CO5	Analyze the Export association activities

MAPPING:

PSO \ CO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	H	H	H	H	H
CO2	H	M	M	H	M
CO3	H	H	L	L	M

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18UTFSBP401	SBC II: PRACTICAL - COMPUTER APPLICATION IN FASHION - II	SEMESTER-IV	
COURSE OBJECTIVE:			
The Course aims			
<ul style="list-style-type: none"> To train the students in computer application for Textile and Fashion Design 			
Credits:2		Total Hours: 40 Hours	
S.NO	LIST OF EXPERIMENTS:	Hrs	CO
1	Create repeat & pattern designs for textile material .	6	CO1
2	Create embroidery designs	6	CO2
3	Create print designs & work on colour separation	5	CO2
4	Draw the design for accessories	8	CO3
	i) Bag ii) Foot wear iii) Hat iv) Gloves v) Ornaments		
5	Create tech pack for the following Men's wear/Women's wear/Kids wear	8	CO4
6	Fashion illustration with apt background	7	CO4
	i) Men ii) Women iii) Kid		

COURSE OUTCOME (CO):

After the completion of this course, the student will be able to

CO1	Create designs for textile materials
CO2	Create different designs for embroideries
CO3	Draw the different accessories design
CO4	Illustrate the designs for men, women and children with apt backgrounds


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18UTFM603	CORE - XII : FASHION BUSINESS	SEMESTER - VI	
Course Objectives: The Course aims <ol style="list-style-type: none"> 1. To introduce the student to the fashion business segments 2. To acquaint the students with fashion communication tools 			
Credit: 4		Total Hours: 50	
UNIT	CONTENTS	Hrs	CO
I	FASHION BUSINESS Scope of fashion business-primary level, secondary level and retail level- type of fashion designers - role of fashion designers - Indian fashion designers - principles of merchandising - types of merchandising - role of merchandiser - effect of consumer - types of buyers - communication with buyers and consumers.	10	CO1
II	FASHION ENVIRONMENT Introduction to fashion industry - fashion environment - demographic & psychographic, economic, sociological and psychological factors - fashion cycle. Fashion business - designer's role, manufacturer's role and retailer's role. Leaders of fashion - theories of fashion adoption.	10	CO2
III	ADVERTISEMENT AND PROMOTIONS Advertising purpose - methods - types of advertising media - sales promotion methods - trade fairs and fashion shows as sales promotion techniques - feedback to production and marketing departments - use of computers as a tool for effective merchandising - fashion auxiliary services.	10	CO3
IV	FASHION MARKET Market research types of market - retail & wholesale market - domestic & international market - designer's labels - chain stores - brand market. Sourcing method of sourcing - raw material sourcing - accessory sourcing. Resource planning - supply and demand chain analysis - just in time technology.	10	CO4


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V	FASHION FORECASTING Fashion forecasting - need for forecasting - forecasting agencies - role of forecasting agencies - fashion direction and recent trends - product development - product mix, factors affecting product mix. Fashion Association in India - Fashion Auxiliary services	10	CO5
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TEXT BOOKS:

1. *Jay and Ellen, Fashion Advertising and Promotion, Diamond, Fair Child Publishers, New York, 1999.*
2. *Mike Easey, John Wiley & Sons, Fashion Marketing, 2009*

REFERENCE BOOKS:

1. *Frings G. S. "Fashion-from concept to consumer".*
2. *Gibson G. Vedamani., "Retail Management Functional Principles & Practices, Third Edition" Jaico Publishing House, 2003.*
3. *Mike Easey, "Fashion Marketing ; Blackwell Science", 2000.*
4. *Maurice J. Johnson and Evelyne C. Moore, "Apperal product development", Prentice Hall inc.2001.*

COURSE OUTCOMES (CO):

After completion of the course, the students will be able to

CO1	Understand the business levels and designer skills
CO2	Acquire knowledge about the fashion environment and adoption
CO3	Analyze the advertising and sales promotion.
CO4	Evaluate the material sourcing and research
CO5	Analyze the fashion forecasting and product development.

MAPPING:

PSO \ CO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	H	H	H	H	M
CO2	H	H	H	M	H
CO3	H	H	M	M	M
CO4	H	M	M	H	L
CO5	H	H	H	M	L



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18UTFM601	CORE - X : INDUSTRIAL ENGINEERING IN APPAREL INDUSTRY	SEMESTER - VI
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Course Objectives:

The Course aims

1. To enable the students to learn about basics of industrial engineering
2. To know about different tools of industrial engineering and its application in apparel industry

Credit: 4

Total Hours: 50

UNIT	CONTENTS	Hrs	CO
I	Industrial Engineering - evolution, functions, role of industrial engineer.	10	CO1
II	Methods study - introduction, techniques of recording; method analysis techniques; principles of motion economy; method study in garment manufacture; ergonomics- importance, workplace design, fatigue.	10	CO2
III	Work measurement- introduction; time study - equipment and procedure; standard data; predetermined time standards; work sampling techniques; incentive wage system; work measurement applied to garment industry	10	CO3
IV	Site selection for textile industry; plant layout - types of layouts suitable for textile industry, methods to construct layout; line balancing	10	CO4
V	Statistical Process Control - data collection; -SAM & SMV calculation for operations, SAM & SMV based costing to be included. concept of AQL, control charts in quality control; process capability-	10	CO5

TEXT BOOKS:

1. Khanna O.P. and Sarup A., "Industrial Engineering and Management", Dhanpat Rai Publications, New Delhi, 2005
2. George Kanwaty, "Introduction to Work Study", ILO, Geneva, 1989
3. Norberd Lloyd Enrick, "Industrial Engineering Manual for Textile Industry", Wiley Eastern (P) Ltd., New Delhi, 1988
4. Enrick N. L., "Time study manual for Textile industry", Wiley Eastern (P) Ltd., 1989.

REFERENCE BOOKS:

1. Chuter A. J., "Introduction to Clothing Production Management", Blackwell Science, U. S.A., 1995

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2. Richard I. Levin. and David S. Rubin., "Statistics for Management", 7th Edition, Prentice Hall of India Pvt. Ltd., New Delhi, 1997
3. David M. Levine, Timothy C. Krehbiel and Mark L. Berenson., "Business Statistics: A First Course", Pearson Education Asia, New Delhi, 2nd Edition, 2000.
4. Panneerselvam R., "Production and Operation Management", Prentice Hall of India, 2002.
5. Edward S. Buffa and Rakesh Sarin., "Modern Production and Operations Management", John Wiley & Sons, U. S. A., 1987
6. Lee J. Krajewski and Larry P. Ritzman., "Operations Management: Strategy and Analysis", Addison Wesley, 2000
7. Chase, Aquilano and Jacobs., "Production and Operations Management", Tata McGraw- Hill, New Delhi, 8th Edition, 1999

COURSE OUTCOMES (CO):

After completion of the course, the students will be able to

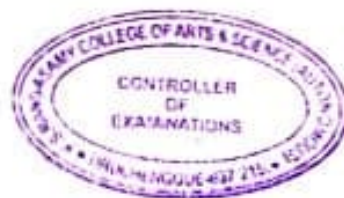
CO1	Understand the Industrial Engineering
CO2	Access the method study
CO3	Analyze work measurement
CO4	Study the Plan layout
CO5	Evaluate the statistical process control.

MAPPING:

CO \ PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	H	H	H	H	M
CO2	H	M	L	M	L
CO3	H	H	M	L	H
CO4	H	H	M	H	L
CO5	H	M	H	H	L

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18UTFSBP601	SBC PRACTICAL IV: PRINTING TECHNIQUES	SEMESTER- VI
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Course Objectives:

The course aims

1. To train the students for preparing various printing samples.
2. To create and develop various printing designs for apparels.

Credit:2

Total Hours:40


S.NO	LIST OF EXPERIMENTS:	Hrs	CO
1.	Preparation of sample for printing. • Cotton • Polyester • Silk.	6	1,2, &3
2.	Preparation of printing paste.	6	
3.	Create Design with Block printing - Vegetable/ wooden blocks	6	
4.	Create Design with Stencil printing.	5	
5.	Tie and Dye Designs with any three methods with single/ double/ Multi colours.	5	
6.	Batik printing with any three methods with single/ double/ Multi colours.	7	
7.	Print a Design using Screen printing methods.	5	

REFERENCE BOOKS:

1. **Textiles - Ninth edition**, Sara J Radolph and Anna L Langford, Prentice hall, New Jersey (2002).
2. **Textile processing - J L Smith**, Abhishek publications, Chandigarh (2003).
3. **Textile Chemistry - Peters R H**, Vol I, & II, Textile Institute Manchester (1970)
4. **Beginners Guide to fabric dyeing and printing - Stuart & Robinson**, Technical books, London (1982).
5. **Thickening agents and Emulsion thickenings in textile printing - Herbert Barthm**, New Delhi (1994).


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COURSE OUTCOMES (CO):

After completion of the course, the students will be able to

CO1	Prepare the samples with different fabrics for printing
CO2	Create medium and paste needs for printing
CO3	Develop designs for various printing styles



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