



## V.V.VANNIAPERUMAL COLLEGE FOR WOMEN

(Belonging to Virudhunagar Hindu Nadars)

An Autonomous Institution Affiliated to Madurai Kamaraj University, Madurai

Re-accredited with 'A' Grade (3<sup>rd</sup> Cycle) by NAAC

VIRUDHUNAGAR - 626 001

### OUTCOME BASED EDUCATION WITH CHOICE BASED CREDIT SYSTEM REGULATIONS AND SYLLABUS (with effect from Academic Year (2020 -2021))

V.V.Vanniaperumal College for Women, Virudhunagar, established in 1962, offers 20 UG Programmes, 14 PG Programmes, 6 M.Phil. Programmes and 6 Ph.D. Programmes. The curricula for all these Programmes, except Ph.D. Programmes, have been framed as per the guidelines given by the University Grants Commission (UGC) & Tamil Nadu State Council for Higher Education (TANSCH) under Choice Based Credit System (CBCS) and the guidelines for Outcome Based Education (OBE).

The Departments of Commerce, English, History, Mathematics, Biochemistry and Tamil upgraded as Research Centres offer Ph.D. Programmes as per the norms and regulations of Madurai Kamaraj University, Madurai and do not come under the purview of CBCS.

#### A. CHOICE BASED CREDIT SYSTEM (CBCS)

The CBCS provides an opportunity for the students to choose Courses from the prescribed Courses. The CBCS is followed as per the guidelines formulated by the UGC. The performance of students is evaluated based on the uniform grading system. Computation of the Cumulative Grade Point Average (CGPA) is made to ensure uniformity in evaluation system.

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#### List of Programmes in which CBCS/ Elective Course System is implemented

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#### UG PROGRAMMES

Arts & Humanities	: History (E.M. & T.M.), English, Tamil
Physical & Life Sciences:	Mathematics, Zoology, Chemistry, Physics, Biochemistry, Home Science - Nutrition and Dietetics, Costume Design and Fashion Microbiology, Biotechnology, Computer Science, Information Technology and Computer Applications
Commerce & Management	: Commerce, Commerce (Computer Applications), Commerce (Professional Accounting), Business Administration

## **PG PROGRAMMES**

Arts & Humanities	: History, English, Tamil
Physical & Life Sciences	: Mathematics, Physics, Chemistry, Zoology, Biochemistry, Home Science - Nutrition and Dietetics, Computer Science, Information Technology, Computer Applications (MCA*)
Commerce & Management	: Commerce, Business Administration (MBA*) *AICTE approved Programmes

## **PRE – DOCTORAL PROGRAMMES (M.Phil.)**

Arts & Humanities	: History, English, Tamil
Physical & Life Sciences	: Mathematics, Biochemistry
Commerce & Management	: Commerce

## **OUTLINE OF CHOICE BASED CREDIT SYSTEM-UG**

1. Core Courses
2. Discipline Specific Elective Courses (DSEC)
3. Allied Courses
4. Skill Enhancement Courses (SEC)
5. Non Major Elective Courses (NMEC)
6. Ability Enhancement Compulsory Courses (AECC)
7. Generic Elective Courses (GEC)
8. Internship/Field Project
9. Self-Study Courses
10. Extra Credit Courses (optional)

**List of Non Major Elective Courses (NMEC)  
(2020-2023)**

**UG PROGRAMMES**

<b>Name of the Course</b>	<b>Semester</b>	<b>Department</b>
History of India upto A.D.1858	III	History(EM)
இந்தியவரலாறு கி.பி. 1858 வரை	III	History (TM)
Indian National Movement (A.D 1885-1947)	IV	History(EM)
இந்தியதேசிய இயக்கம் (கி.பி. 1885 – 1947)	IV	History(TM)
English for Professions I	III	English
English for Professions II	IV	
இக்காலநீதி இலக்கியம்	III	Tamil
உரைநடை இலக்கியம்	IV	
Basic Hindi – I	III	Hindi
Basic Hindi – II	IV	
Practical Banking	III	Commerce
Basic Accounting Principles	IV	
Business Management	III	Business Administration
Entrepreneurship	IV	
Quantitative Aptitude – I	III	Mathematics
Statistics and Operation Research	IV	
Physics in Everyday life	III	Physics
Fundamentals of Electronics	IV	
Industrial Chemistry	III	Chemistry
Drugs and Natural Products	IV	
Applied Zoology	III	Zoology
Animal Science	IV	
Basic Food Science	III	Home Science – Nutrition and Dietetics
Basic Nutrition and Dietetics	IV	
Women and Health	III	Biochemistry
Life style associated disorders	IV	
Medical Lab Technology	III	Microbiology
Applied Microbiology	IV	
Infectious Diseases	III	Biotechnology
Organic Farming	IV	
Basics of Fashion	III	Costume Design And Fashion
Interior Designing	IV	
Introduction to Computers and Office Automation	III	Computer Science
Introduction to Internet and HTML 5	IV	
MS-Office	III	Information Technology
Introduction to HTML	IV	
Fundamentals of Computers	III	Computer Applications
Web Design with HTML	IV	
Horticulture – I	III	Botany
Horticulture – II	IV	
மருத்துவதாவரவியல் - I	III	
மருத்துவதாவரவியல் - II	IV	
Library and Information Science – I	III	Library Science
Library and Information Science – II	IV	

மேல்நிலை கல்வி வரை தமிழை முதன்மை பாடமாக எடுத்து படிக்காத மாணவிகள் கீழ்க்கண்ட பாடங்களை கட்டாயம் படிக்க வேண்டும்

1. அடிப்படைத் தமிழ் - எழுத்தறிதல்
2. அடிப்படைத் தமிழ் - மொழித்திறனறிதல்

**List of Non Major Elective Courses (NMEC)**  
**(2023-2024 onwards)**

**UG PROGRAMMES**

Name of the Course	Semester	Department
History of India upto A.D.1858	III	History(EM)
இந்திய வரலாறு கி.பி. 1858 வரை	III	History (TM)
Indian National Movement (A.D 1885-1947)	IV	History(EM)
இந்திய தேசிய இயக்கம் (கி.பி. 1885 – 1947)	IV	History(TM)
English for Professions I	III	English
English for Professions II	IV	
இக்கால நீதி இலக்கியம்	III	Tamil
உரைநடை இலக்கியம்	IV	
Basic Hindi – I	III	Hindi
Basic Hindi – II	IV	
Fundamental Hindi -  I	III	Hindi
Fundamental Hindi – II	IV	
Practical Banking	III	Commerce
Basic Accounting Principles	IV	
Financial Literacy I	III	
Financial Literacy II	IV	
Self-Employment And Start-Up Business	III	Commerce CA
Fundamentals Of Marketing	IV	
Women Protection Laws	III	Commerce (Professional Accounting)
Basic Labour Laws	IV	
Business Management	III	Business Administration
Entrepreneurship	IV	
Quantitative Aptitude I	III	Mathematics
Basic Statistics		
Quantitative Aptitude II		
Operations Research	IV	
Physics in Everyday life –I	III	Physics
Physics in Everyday life –II	IV	
Industrial Chemistry	III	Chemistry
Drugs and Natural Products	IV	
Applied Zoology	III	Zoology
Animal Science	IV	
Basic Food Science	III	Home Science – Nutrition and Dietetics
Basic Nutrition and Dietetics	IV	
Women and Health	III	Biochemistry

Lifestyle Associated Disorders	IV	
Medical Lab Technology	III	Microbiology
Applied Microbiology	IV	
Infectious Diseases	III	Biotechnology
Organic Farming	IV	
Basics of Fashion	III	Costume Design And Fashion
Interior Designing	IV	
Introduction to Computers and Office Automation	III	Computer Science
Introduction to Internet and HTML 5	IV	
MS Office	III	Information Technology
Introduction to HTML	IV	
Fundamentals of Computers	III	Computer Applications
Web Design with HTML	IV	
Horticulture – I	III	Botany
Horticulture – II	IV	
மருத்துவ தாவரவியல் - I	III	
மருத்துவ தாவரவியல் - II	IV	
Library and Information Science – I	III	Library Science
Library and Information Science - II	IV	
Cadet Corps for Career Development I	III	National Cadet Corps
Cadet Corps for Career Development II	IV	

மேல்நிலைக் கல்வி வரை தமிழை முதன்மைப் பாடமாக எடுத்துப் படிக்காத மாணவிகள் கீழ்க்கண்ட பாடங்களைக் கட்டாயம் படிக்க வேண்டும்.

1. அடிப்படைத் தமிழ் - எழுத்தறிதல்
2. அடிப்படைத் தமிழ் - மொழித்திறனறிதல்

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### List of Ability Enhancement Compulsory Courses (AECC) & Generic Elective Courses (GEC) Offered

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#### ABILITY ENHANCEMENT COMPULSORY COURSES (AECC)

1. Value Education
2. Environmental Studies

#### GENERIC ELECTIVE COURSES1

1. Human Rights
2. Women Studies

#### GENERIC ELECTIVE COURSES2

1. Constitution of India
2. Modern Economics
3. Adolescent Psychology
4. Disaster Management

## **B. OUTCOME BASED EDUCATION (OBE) FRAME WORK**

The core philosophy of Outcome Based Education rests in employing a student -centric learning approach to measure the performance of students based on a set of pre-determined outcomes. The significant advantage of OBE is that it enables a revamp of the curriculum based on the learning outcomes, upgrade of academic resources, quality enhancement in research and integration of technology in the teaching –learning process. It also helps in bringing clarity among students as to what is expected of them after completion of the Programme in general and the Course in particular. The OBE directs the teachers to channelize their teaching methodologies and evaluation strategies to attain the PEOs and fulfill the Vision and Mission of the Institution.

### **Vision of the Institution**

The founding vision of the Institution is to impart Quality Education to the rural women folk and to empower them with knowledge and leadership quality.

### **Mission of the Institution**

The mission of the Institution is to impart liberal education committed to quality and excellence. Its quest is to mould learners into globally competent individuals instilling in them life-oriented skills, personal integrity, leadership qualities and service mindedness.

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## **B.1 Programme Educational Objectives, Programme Outcomes and Programme Specific Outcomes**

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It is imperative for the institution to set the Programme Educational Objectives (PEOs), Programme Outcomes (POs) and Course Outcomes (COs), consistent with its Vision and Mission statements. The PEOs and the POs should be driven by the mission of the institution and should provide distinctive paths to achieve the stated goals. The PEOs for each Programme have to fulfill the Vision and Mission of the Department offering the Programme.

### **Vision of the Department of Costume Design and Fashion**

To sculpt the young minds with a sense of imaginative and creative thinking and to empower them with technical and professional skills to suit the needs of the industry and community.

## Mission of the Department of Costume Design and Fashion

To impart knowledge in various dimensions in the field of Fashion, Textile and Apparel Design, mould them into successful professionals and entrepreneurs in Fashion world and to nurture their social skills and moral values for becoming better citizens.

### B.1.1 Programme Educational Objectives (PEOs)

PEOs are broad statements that describe the career and professional achievements that the Programme is preparing the graduates to achieve within the first few years after graduation. PEOs are framed for each Programme and should be consistent with the mission of the Institution.

### Programme Educational Objectives (PEOs) of B.Sc. Costume Design and Fashion Programme

#### The students will be able to

- upgrade their knowledge of fashion by creating designs based on traditional patterns and current trends using modern tools and technology.
- hold different designations like Technical designer, Apparel production manager, Quality controller and Merchandiser in apparel industry and to become successful entrepreneurs in the field of costume and fashion design.
- engage in lifelong learning and work with moral commitment, social responsibility, eco consciousness and humane concern for fellow citizens.

Key Components of the Mission Statement	PEO1	PEO2	PEO3
Impart knowledge in various dimensions of Fashion, Textile and Apparel design	√	√	√
Mould them into Successful professionals and entrepreneurs in Fashion world	√	√	√
Nurture their social skills and moral values for becoming better citizens	-	√	√

### B.1.2 Programme Outcomes (POs)

POs shall be based on Graduate Attributes (GAs) of the Programme. The GAs are the attributes expected of a graduate from a Programme in terms of knowledge, skills, attitude and values. The Graduate Attributes include Disciplinary Knowledge, Communication Skills, Critical Thinking, Problem Solving, Analytical Reasoning, Research Related Skills, Co-operation/Team Work, Scientific Reasoning, Reflective Thinking, Information/Digital Literacy, Multicultural Competence, Moral and Ethical Awareness/Reasoning, Leadership Qualities and Lifelong Learning.

**On successful completion of the Programme, the students will be able to**

- 1 apply effectively the acquired knowledge and skill in the field of Arts, Physical Science, Life Science, Computer Science, Commerce and Management for higher studies and employment. (*Disciplinary Knowledge*)
- 2 communicate proficiently and confidently with the ability to express original/ complex ideas effectively indifferent situations. (*Communication Skills*)
- 3 identify, formulate and solve problems in real life situations scientifically /systematically by adapting updated skills in using modern tools and techniques. (*Scientific Reasoning and Problem Solving*)
- 4 critically analyse, synthesize and evaluate data, theories and ideas to provide valid suggestions for the betterment of the society. (*Critical Thinking and Analytical Reasoning*)
- 5 use ICT in a variety of self-directed lifelong learning activities to face career challenges in the changing environment. (*Digital Literacy, Self-directed and Lifelong Learning*)
- 6 self-manage and function efficiently as a member or a leader in diverse teams in a multicultural society for nation building. (*Co-operation/Team Work and Multicultural Competence*)
- 7 uphold the imbibed ethical and moral values in personal, professional and social life for sustainable environment. (*Moral and Ethical Awareness*)

**B.1.3 Programme Specific Outcomes (PSOs)**

Based on the Programme Outcomes, Programme Specific Outcomes are framed for each UG Programme. Programme Specific Outcomes denote what the students would be able to do at the time of graduation. They are Programme specific. It is mandatory that each PO should be mapped to the respective PSO.

**On completion of B.Sc. Costume Design and Fashion Programme, the students will be able to**

**PO1 – *Disciplinary Knowledge***

PSO1.a: apply professional knowledge and technical skills in the field of fashion, textiles and apparels, to pursue higher education or to start a new venture.

PSO1.b: apply the principles in textiles and fashion to design fashionable garments and merchandise its functional aspects in fashion market.



**PO2 - Communication Skills**

PSO 2.a: communicate effectively the concepts related to all fields in textile, fashion and apparel in the form of written reports and oral presentations to the industry and society.

PSO2.b: communicate effectively with society and design unique collections with suitable textiles in the business scenario.

**PO3 - Scientific Reasoning and Problem Solving**

PSO3: identify the current issues in fashion, apparel and textile domain and provide feasible solutions focusing on the need of the industry and society.

**PO4 – Critical thinking and Analytical Reasoning**

PSO4.a: make use of appropriate skills acquired in apparel designing, draping, Pattern making, grading and constructing for various model apparels with good fit for different age groups.

PSO 4.b: introduce new trends by merging new ideas and innovative models in traditional patterns of textiles, embroideries, costumes and accessories to suit the tastes and preferences of the community.

**PO5 - Digital Literacy, Self-directed and Lifelong learning**

PSO5: employ the ICT tools in developing the fashion world and engage in lifelong learning in their area of interest.

**PO6 – Cooperation /Team Work and Multi-Cultural Competence**

PSO6: use their potentialities and life oriented skills to work in teams and also become successful entrepreneurs.

**PO7 - Moral and Ethical awareness**

PSO7: uphold and extend their moral values and ethics to the workplace and to the society forth sustainable environment.

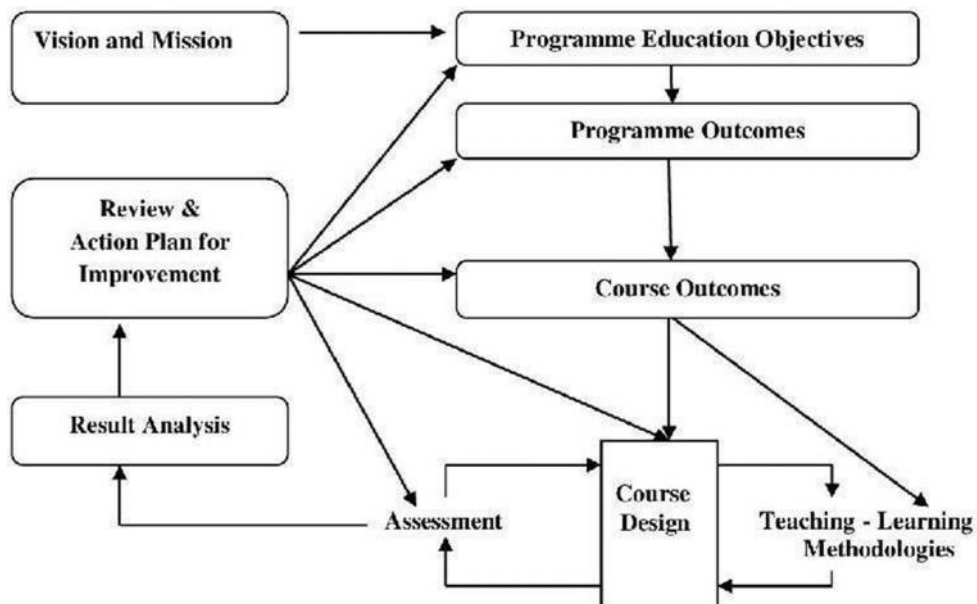
**PO – PEO Mapping Matrix**

Attainment of PEO scan be measured by a PO-PEO matrix. PEOs should evolve through constant feedback from alumnae, students, industry, management, *etc.* It is mandatory that each PEO should be mapped to at least one of the POs.

PEOs POs/PSOs	PEOs		
	PEO1	PEO2	PEO3
PO1/PSO1	✓	✓	✓
PO2/PSO2	✓	✓	✓
PO3/PSO3	✓	✓	✓
PO4/PSO4	✓	✓	✓
PO5/PSO5	✓	✓	✓
PO6/PSO6	✓	✓	✓
PO7/PSO7	-	✓	✓

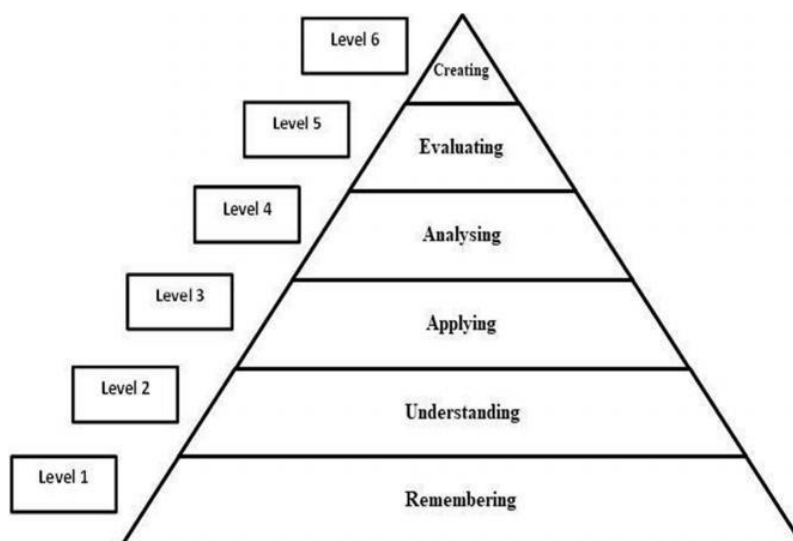
#### B.1.4 Course Outcomes (COs)

Course Outcomes are narrow statements restricted to the Course contents given in five units. Course Outcomes describe what students would be capable of, after learning the contents of the Course. They reflect the level of knowledge gained, skills acquired and attributes developed by the students after learning of Course contents. Cos are measurable, attainable and manageable in number. COs contribute to attain POs in such a way that each CO addresses at least one of the Pos and also each PO is reasonably addressed by adequate number of COs.



It is important to determine the methods of assessment. A comprehensive assessment strategy may be outlined using the revised Bloom's Taxonomy levels.

### BLOOM'S TAXONOMY



### CO – PO Mapping of Courses

After framing the CO statements, the COs framed for each Course is mapped with Pos based on the relationship that exists between them. The COs which are not related to any of the POs is indicated with (-), signifying Nil. Measurement Mapping is based on Four Points Scale [High (H), Medium (M), Low (L) and Nil (-)]. For calculating weighted percentage of contribution of each Course in the attainment of the respective POs, the weights assigned for H, M and L are 3, 2 and 1 respectively.

### CO - PO/PSO Mapping Table (Course Articulation Matrix)

PO/PSOs Cos	PO1/ PSO1	PO2/ PSO2	PO3/ PSO3	PO4/ PSO4	PO5/ PSO5	PO6/ PSO6	PO7/ PSO7
CO1							
CO2							
CO3							
CO4							
CO5							

**ELIGIBILITY FOR ADMISSION**

Candidates should have passed the Higher Secondary Examination conducted by Board of Higher Secondary Education, Government of Tamil Nadu/any other Examination accepted by the Academic Council with +2 Academic/Vocational stream.

**DURATION OF THE PROGRAMME**

The candidates shall undergo the prescribed Programme of study for a period of three academic years (six semesters).

**MEDIUM OF INSTRUCTION**

English

**COURSES OFFERED**

Part I	:	Tamil/Hindi/Alternate Course
Part II	:	English
Part III	:	Core Courses
	:	Allied Courses
	:	Elective Courses : Discipline Specific Elective Courses
	:	Self-Study Course
Part IV	:	Skill Enhancement Courses(SEC)
	:	Field Project/Internship
	:	Non-Major Elective Courses(NMEC)
	:	Ability Enhancement Compulsory Courses (AECC)
	:	Generic Elective Courses (GEC)
Part V	:	Self-Study Course
	:	National Service Scheme/ Physical Education/ Youth Red Cross Society/ Red Ribbon Club/ Science Forum/ Eco Club/ Library and Information Science/ Consumer Club /Health and Fitness Club and National Cadet Corps/ Rotaract Club

**B.2.EVALUATION SCHEME****B.2.1. PART II**

Components	Internal Assessment Marks	External Examination Marks	Total Marks
Theory	15	75	100
Practical	5+5		

**INTERNAL ASSESSMENT****Distribution of Marks**

<b>Mode of Evaluation</b>		<b>Marks</b>
Periodic Test	:	15
Practical	:	10
<b>Total</b>		<b>: 25</b>

**Three Periodic Tests - Average of the best two will be considered**

**B.2.1.1 PART II (II UG – 2023-2024 onwards)**

<b>Components</b>	<b>Internal Assessment Marks</b>	<b>External Examination Marks</b>	<b>Total Marks</b>
Test	15	60	100
Practical	10	15	

**INTERNAL ASSESSMENT****Distribution of Marks**

<b>Mode of Evaluation</b>		<b>Marks</b>
Periodic Test	:	15
Practical	:	10
<b>Total</b>		<b>: 25</b>

**Three Periodic Tests - Average of the best two will be considered**

**EXTERNAL ASSESSMENT****Distribution of Marks**

<b>Mode of Evaluation</b>		<b>Marks</b>
Theory	:	60
Practical	:	15
<b>Total</b>		<b>: 75</b>

**B.2.1. PART I & PARTIII – Core Courses, Discipline Specific Elective Courses & Allied Courses**

Components	Internal Assessment Marks	External Examination Marks	Total Marks
Theory	25	75	100
Practical	40	60	100
Project	40	60	100

**INTERNALASSESSMENT****Distribution of Marks Theory**

Mode of Evaluation			Marks
Periodic Test		:	15
Assignment	Core:I UG-K4 Level, II & III UG – K5 Level	:	5
	Part I & Allied: K4 Level		
	DSEC:K5 Level		
Quiz	K2:Level	:	5
<b>Total</b>		<b>:</b>	<b>25</b>

Three Periodic Tests - Average of the best two will be considered

Two Assignments - Better of the two will be considered

Three Quiz Tests - Best of the three will be considered

**Practical**

Mode of Evaluation		Marks	
Test	:	15	
Model Examination		15	
Performance	:	10	
<b>Total</b>		<b>:</b>	<b>40</b>

Test - Average of the two will be considered

Model Examination - Better of the two will be considered

Performance - Attendance and Record

**Question Pattern for Periodic Tests****Duration: 2Hours**

Section	Types of Question	No. of Questions	No. of Questions to be answered	Marks for each Question	Total Marks
A Q.No.(1- 4)	Multiple Choice	4	4	1	4
B Q.No.(5- 7)	Internal Choice - Either Or Type	3	3	7	21
C Q.No.(8-9)	Internal Choice - Either Or Type	2	2	10	20
<b>Total</b>					<b>45*</b>

\*The total marks obtained in the Periodic Test will be calculated for 15 marks

**EXTERNAL EXAMINATION****Question Pattern****Duration: 3Hours**

Section	Types of Question	No. of Questions	No. of Questions to be answered	Marks for each Question	Total Marks
A Q. No. (1- 10)	Multiple Choice	10	10	1	10
B Q. No. (11 -15)	Internal Choice – Either Or Type	5	5	7	35
C Q. No. (16-20)	Internal Choice – Either Or Type	3	3	10	30
<b>Total</b>					<b>75</b>

**PROJECT**

Assessment by Internal examiner only

**Distribution of Marks**

Mode of Evaluation	Marks
Project work and Report	: 60
Presentation and Viva-Voce	: 40
<b>Total</b>	<b>100</b>

**B.2.2 PART III – SELF STUDY COURSE****Core Courses Quiz – Online**

Assessment by Internal Examiner only

- Question Bank is prepared by the Faculty Members of the Departments.
- No. of Questions to be taken 700.
- Multiple Choice Question pattern is followed.

- Online Test will be conducted in VI Semester for 100 Marks.
- Model Examination is conducted after two periodic tests.

### Distribution of Marks

Mode of Evaluation		Marks
Periodic Test	:	40
Model Examination	:	60
<b>Total</b>		<b>100</b>

Two Periodic Tests - Better of the two will be considered

### B.2.1 PART IV - Skill Enhancement Courses & Non Major Elective

#### Courses INTERNALASSESSMENT

### Distribution of Marks

#### Theory

Mode of Evaluation		Marks
Periodic Test	:	25
Assignment	SEC:K4 Level	10
	NMEC:K3 Level	
Quiz	K2 Level	5
<b>Total</b>		<b>40</b>

Three Periodic tests - Average of the best two will be considered

Two Assignments - Better of the two will be considered

Three Quiz Tests - Best of the three will be considered

#### Practical

Mode of Evaluation		Marks
Test	:	15
Model Examination	:	15
Performance	:	10
<b>Total</b>		<b>40</b>

Test - Average of the two will be considered

Model Examination - Better of the two will be considered

Performance - Attendance and Record



**Question Pattern****Duration: 1Hour**

Section	Types of Question	No. of Questions	No. of Questions to be answered	Marks for each Question	Total Marks
A Q. No.(1- 3)	Internal Choice (Either-or Type)	3	3	5	15
B Q. No.(4)	Internal Choice (Either-or Type)	1	1	10	10
<b>Total</b>					<b>25</b>

**EXTERNAL EXAMINATION****Question Pattern****Duration: 2 Hours**

Section	Types of Question	No. of Questions	No. of Questions to be answered	Marks for each Question	Total Marks
A Q. No.(1- 6)	Internal Choice (Either-or Type)	6	6	5	30
B Q. No.(7 - 9)	Internal Choice (Either-or Type)	3	3	10	30
<b>Total</b>					<b>60</b>

**B.2.4. PART IV-Ability Enhancement Compulsory Courses (AECC) & Generic Elective Courses (GEC)**

Assessment by Internal Examiner only

- Model Examination is conducted after two periodic tests.
- Book and Study Material prepared by the Faculty Member soft here respective departments will be prescribed.

**Distribution of Marks**

Mode of Evaluation		Marks
Periodic Test	:	30
Assignment	K2 Level	: 10
Model Examination	:	60
<b>Total</b>		<b>: 100</b>

Two Periodic tests - Better of the two will be considered

Two Assignments - Better of the two will be considered

**Question Pattern for Periodic Test****Duration: 1 Hour**

Section	Types of Question	No. of Questions	No. of Questions to be answered	Marks for each Question	Total Marks
A Q. No.(1- 3)	Internal Choice (Either-or Type)	3	3	6	18
B Q. No.(4)	Internal Choice - Either or Type	1	1	12	12
<b>Total</b>					<b>30</b>

**Question Pattern for Model Examination****Duration: 2 Hours**

Section	Types of Question	No. of Questions	No. of Questions to be answered	Marks for each Question	Total Marks
A Q. No. (1- 5)	Internal Choice (Either-or Type)	5	5	6	30
B Q. No. (6- 8)	Internal Choice (Either-or Type)	3	3	10	30
<b>Total</b>					<b>60</b>

**B.2.2 PART IV-Internship/Field Project**

Internship/Field Project is compulsory for II year UG Science Students

- **Internship:** A designated activity that carries one credit involving not less than 15 days of working in an organization under the guidance of an identified mentor.
- **Field Project:** Students comprising of maximum 5 members in a team need to undertake a project that involves conducting surveys inside/outside the college premises and collection of data from designated communities or natural places.
- Assessment by Internal Examiner only

Mode of Evaluation	Marks
Onsite Learning/Survey	: 50
Report	: 25
Viva-Voce	: 25
<b>Total</b>	<b>100</b>

**B.2.3 Self – Study Course****Practice for Competitive Examinations – Online**

- Assessment by Internal Examiner only
- Question Bank prepared by the Faculty Members of the respective Departments will be followed.
- Multiple Choice Question pattern is followed.
- Online Test will be conducted in V Semester for 100 Marks.
- Model Examination is conducted after two periodic tests.

**Subject wise Allotment of Marks**

<b>Subject</b>		<b>Marks</b>
Tamil	:	10
English	:	10
History	:	10
Mathematics	:	10
Current affairs	:	10
Commerce, Law & Economics	:	10
Physical Sciences	:	10
Life Sciences	:	15
Computer Science	:	5
Food and Nutrition	:	5
Sports and Games	:	5
<b>Total</b>		<b>100</b>

**Distribution of Marks**

<b>Mode of Evaluation</b>		<b>Marks</b>
Periodic Test	:	40
Model Examination	:	60
<b>Total</b>	:	<b>100</b>

Two Periodic Tests - Better of the two will be considered

**B.2.6 Part V – Extension Activities****Assessment by Internal examiner only****Distribution of Marks**

<b>Mode of Evaluation</b>		<b>Marks</b>
Attendance	:	5
Performance	:	10
Report/Assignment/Project/Camp/Practical	:	<b>10</b>
<b>Total</b>		<b>25*</b>

\*The marks obtained will be calculated for 100 marks

**B.2.8 EXTRA CREDIT COURSE (OPTIONAL)****Assessment by Internal Examiner only****Distribution of Marks****Question pattern****Duration : 3 Hours**

<b>Section</b>	<b>Types of Question</b>	<b>No. of Questions</b>	<b>No. of Questions to be answered</b>	<b>Marks for each Question</b>	<b>Total Marks</b>
A Q. No.(1- 10)	Multiple choice question	10	10	1	10
B Q. No.(11 -15)	Internal Choice – Either Or Type	5	5	9	45
C Q. No.(16-20)	Open Choice	5	3	15	45
<b>Total</b>					<b>100</b>

**ELIGIBILITY FOR THE DEGREE**

The candidate will not be eligible for the Degree without completing the prescribed Courses of study, lab work, etc., and a minimum Pass marks in all the Courses.

- No Pass minimum for Internal Assessment.
- Pass minimum for External Examination is 27 marks out of 75 for Core Courses, Discipline Specific Elective Courses and Allied Courses.
- Pass minimum for External Examination is 21 marks out of 60 for Skill Enhancement Courses and Non Major Elective Courses.
- The aggregate minimum pass percentage is 40.
- Pass minimum for External Practical Examination is 21 marks out of 60 marks.
- Pass minimum for Ability Enhancement Compulsory Course and Generic Elective Course is 40.

- Pass minimum for Self Study Courses is 40.

### **ATTENDANCE**

- For UG, PG and M.Phil. Programmes,
  1. The students who have attended the classes for 76 days (85%) and above are permitted to appear for the Summative Examinations without any condition.
  2. The students who have only 60-75 days (66% - 84%) of attendance are permitted to appear for the Summative Examinations after paying the required fine amount and fulfilling other conditions according to the respective cases.
  3. The students who have attended the classes for 59 days and less – up to 45 days (50% -65%) can appear for the Summative Examinations only after getting special permission from the Principal.
  4. The students who have attended the classes for 44 days or less (<50%) cannot appear for the Summative Examinations and have to repeat the whole semester.
- For Part V in UG Programmes, the students require 75% of attendance to get a credit.
  - a. For Certificate, Diploma, Advanced Diploma and Post Graduate Diploma Programmes, the students require 75% of attendance to appear for the Theory/Practical Examinations.

These rules come into effect from 2020-2021 onwards.

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### **B.3 ASSESSMENT MANAGEMENT PLAN**

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An Assessment Management Plan that details the assessment strategy both at the Programme and the Course levels is prepared. The continuous assessment is implemented using an assessment rubric to interpret and grade students.

#### **B.3.1 Assessment Process for CO Attainment**

Assessment is one or more processes carried out by the institution that identify, collect and prepare data to evaluate the achievement of Course Outcomes and Programme Outcomes. Course Outcome is evaluated based on the performance of students in the Continuous Internal Assessments and in End Semester Examination of a Course. Target levels of attainment shall be fixed by the Course teacher and Heads of the respective departments.

**Direct Assessment (rubric based)** – Conventional assessment tools such as Term Test, Assignment, Quiz and End Semester Summative Examination are used.

**Indirect Assessment** – Done through Course Exit Survey.

## CO Assessment Rubrics

For the evaluation and assessment of Cos and Pos, rubrics are used. Internal assessment contributes 40% and End Semester assessment contributes 60% to the total attainment of a CO for the theory Courses. For the practical Courses, internal assessment contributes 50% and Semester assessment contributes 50% to the total attainment of a CO. Once the Course Outcome is measured, the PO can be measured using a CO - PO matrix.

## CO Attainment

### Direct CO Attainment

Course outcomes of all Courses are assessed and the CO –wise mark so obtained by all the students are recorded for all the assessment tools. The respective CO attainment level is evaluated based on set attainment rubrics.

### Attainment Levels of COs

Assessment Methods	Attainment Levels	
Internal Assessment	Level1	50% of students scoring more than average marks or set target marks in Internal Assessment tools
	Level2	55% of students scoring more than average marks or set target marks in Internal Assessment tools
	Level3	60% of students scoring more than average marks or set target marks in internal Assessment tools
End Semester Summative Examination	Level1	50% of students scoring more than average marks or set target marks in End Semester Summative Examination
	Level2	55% of students scoring more than average marks or set target marks in End Semester Summative Examination
	Level3	60% of students scoring more than average marks or set target marks in End Semester Summative Examination

### Target Setting for Assessment Method

For setting up the target of internal assessment tools, 55% of the maximum mark is fixed as target. For setting up the target of End Semester Examination, the average mark of the class shall be set as target.

**Formula for Attainment for each CO**

Attainment = Percentage of students who have scored more than the target marks

$$\text{Percentage of Attainment} = \frac{\text{Number of Students who Scored more than the Target}}{\text{Total Number of Students}} \times 100$$

**Indirect CO Attainment**

At the end of each Course, an exit survey is conducted to collect the opinion of the students on attainment of Course Outcomes. A questionnaire is designed to reflect the views of the students about the attainment of Course outcomes.

**Overall CO Attainment= 75% of Direct CO Attainment +25% of Indirect CO Attainment**

In each Course, the level of attainment of each CO is compared with the predefined targets. If the target is not reached, the Course teacher takes necessary steps for the improvement to reach the target.

For continuous improvement, if the target is reached, the Course teacher can set the target as a value greater than the CO attainment of the previous year.

**B.3.2 Assessment Process for Overall PO Attainment**

With the help of CO against PO mapping, the PO attainment is calculated. PO assessment is done by giving 75% weight age to direct assessment and 25% weight age to indirect assessment. Direct assessment is based on CO attainment, where 75% weight age is given to attainment through End Semester examination and 25 % weight age is given to attainment through internal assessments .Indirect assessment is done through Graduate Exit Survey and participation of students in Co-curricular/Extra-curricular activities.

**PO Assessment Tools**

Mode of Assessment	Assessment Tool	Description
Direct Attainment (Weight age-75%)	CO Assessment	This is computed from the calculated CO Attainment value for each Course
Indirect Attainment (Weightage-25%)	Graduate Exit Survey10%	At the end of the Programme, Graduate Exit Survey is collected from the graduates and it Gives the opinion of the graduate son attainment
	Co-curricular /Extracurricular	For participation in Co-curricular/ Extracurricular activities during the period of their study.

**Programme Articulation Matrix (PAM)**

Course Code	Course Title	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
Average Direct PO Attainment									
Direct PO Attainment in percentage									

**Indirect Attainment of POs for all Courses**

POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
Graduate Exit Survey								
Indirect PO Attainment								

**Attainments of Pos for all Courses**

POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
Direct Attainment (Weightage-75%)								
Indirect Attainment (Weightage-25%)								
<b>Overall PO Attainment</b>								

**Overall PO Attainment=[75% of Direct PO Attainment+  
25% of Indirect PO Attainment (Graduate Exit Survey  
& Participation in Co-curricular and  
Extracurricular Activities)]**

**Expected Level of Attainment for each of the Programme Outcomes**

POs	Level of Attainment
Value $\geq$ 70%	Excellent
Value $\geq$ 60% and Value $<$ 70%	Very Good
Value $\geq$ 50% and Value $<$ 60%	Good
Value $\geq$ 40% and Value $<$ 50%	Satisfactory
Value $<$ 40%	Not Satisfactory



**Level of PO attainment**

<b>Graduation Batch</b>	<b>Overall PO Attainment (in percentage)</b>	<b>Whether Expected Level of PO is Achieved? (Yes/No)</b>

**B. 3.3. Assessment Process for PEOs**

The curriculum is designed so that all the courses contribute to the achievement of PEOs. The attainment of PEOs is measured after 5 years of completion of the programme only through indirect methods.

**Target for PEO Attainment**

<b>Assessment Criteria</b>	<b>Target(UG)</b>	<b>Target(PG)</b>
Record of Employment	25% of the class strength	30% of the class strength
Progression to Higher Education	40% of the class strength	5% of the class strength
Record of Entrepreneurship	2% of the class strength	5% of the class strength

**Attainment of PEOs**

<b>Assessment Criteria &amp; Tool</b>	<b>Weightage</b>
Record of Employment	10
Progression to Higher Education	20
Record of Entrepreneurship	10
Feedback from Alumnae	30
Feedback from Parents	10
Feedback from Employers	20
<b>Total Attainment</b>	<b>100</b>

$$\begin{aligned} \text{Percentage of PEO Attainment from Employment} &= \frac{\text{Number of Students who have got Employment}}{\text{Target}} \times 100 \\ \text{Percentage of PEO Attainment from Higher Education} &= \frac{\text{Number of Students who pursue Higher Education}}{\text{Target}} \times 100 \\ \text{Percentage of PEO Attainment from Entrepreneurship} &= \frac{\text{Number of Students who have become Entrepreneurs}}{\text{Target}} \times 100 \end{aligned}$$

**Expected Level of Attainment for each of the Programme Educational Objectives**

<b>POs</b>	<b>Level of Attainment</b>
Value $\geq$ 70%	Excellent
Value $\geq$ 60% and Value $<$ 70%	Very Good
Value $\geq$ 50% and Value $<$ 60%	Good
Value $\geq$ 40% and Value $<$ 50%	Satisfactory
Value $<$ 40%	Not Satisfactory

**Level of PEO Attainment**

<b>Graduation Batch</b>	<b>Overall PEO Attainment (in percentage)</b>	<b>Whether Expected Level of PEO is Achieved? (Yes/No)</b>

**A. PROCESS OF REDEFINING THE PROGRAMME EDUCATIONAL OBJECTIVES**

The college has always been involving the key stake holders in collecting information and suggestions with regard to curriculum development and curriculum revision. Based on the information collected the objectives of the Programme are defined, refined and are inscribed in the form of PEOs. The level of attainment of PEOs defined earlier will be analyzed and will identify the need for redefining PEOs. Based on identified changes in terms of curriculum, regulations and PEOs, the administrative system like Board of Studies, Academic Council and Governing Body may recommend appropriate actions. As per the Outcome Based Education Framework implemented from the Academic Year 2020-2021, the following are the Programme Structure, the Programme Contents and the Course Contents of B.Sc. Costume Design and Fashion Programme.



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### BACHELOR OF SCIENCE -COSTUME DESIGN AND FASHION (2030)

Outcome Based Education with Choice Based Credit System

Programme Structure – Allotment of Hours and Credits

For Those who join in the Academic Year 2020-2021

Components	Semester						Total Number of Hours (Credits)
	I	II	III	IV	V	VI	
<b>Part I:</b> Tamil/Hindi	6 (3)	6(3)	6 (3)	6 (3)	-	-	24 (12)
<b>Part II:</b> English	6 (3)	6(3)	6 (3)	6 (3)	-	-	24 (12)
<b>Part III:</b> Core Courses ,Discipline Specific Elective Courses, Allied Courses & Self Study Course							
Core Course	4 (4)	4 (4)	5 (5)	5 (5)	4 (4)	5 (4)	27 (26)
Core Course	4 (4)	4 (4)	-	-	4 (4)	5 (4)	17(16)
Core Course	-	-	-	-	4 (4)	5 (4)	9 (8)
Core Course Practical	2 (0)	2 (2)	2 (0)	2 (2)	3(0) 3(0) 2(0)	3(3) 3(3) 2(2)	14(7) 6(3) 4(2)
DSEC	-	-	-	-	4 (4)	5 (4)	9 (8)
Project	-	-	-	-	0(1)	-	0(1)
Allied Course I	4(4)	4 (4)	-	-	-	-	8 (8)
Allied Course II	-	-	4 (4)	4 (4)	-	-	8 (8)
Allied Course Practical	2(0)	2(2)	2 (0)	2 (2)	-	-	8 (4)
Self-Study Course	-	-	-	-	-	0 (1)	0 (1)
<b>PartIV:</b> Skill Enhancement Courses, Non Major Elective Courses, Ability Enhancement Compulsory Courses, Generic Elective Courses, Self Study Course & Internship/Field Project							
SEC	-	2(2) (1T*+1P)	2 (2)	2(2)(1T* +1P)	2(2)(1T* +1P)	2(2)(1T* +1P)	10 (10)
SEC	-	-	-	-	2 (2)	-	2 (2)
Non Major Elective Course	-	-	2(2)	2 (2)	-	-	4 (4)
AECC-Value Education	2 (2)	-	-	-	-	-	2 (2)
AECC-Environmental Studies	-	-	-	-	2(1)	-	2 (1)
GEC-1	-	-	1 (1)	-	-	-	1 (1)
GEC-2	-	-	-	1 (1)	-	-	1 (1)
Self-Study Course	-	-	-	-	0 (1)	-	0 (1)
Internship/Field Project	-	-	-	0 (1)	-	-	0 (1)
<b>Part V:</b> Extension Activities	-	-	-	0 (1)	-	-	0 (1)
<b>Total</b>	<b>30 (20)</b>	<b>30 (24)</b>	<b>30(20)</b>	<b>30 (26)</b>	<b>30 (23)</b>	<b>30(27)</b>	<b>180(140)</b>
Extra Credit Course					0 (2)	-	0 (2)

\*Tutor



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### PART I-TAMIL

S.No.	Sem.	Code	Title of the Course	Credits	Marks
1.	I	20UTAG11	பொதுத்தமிழ் தாள் I	3	100
2.	II	20UTAG21	பொதுத்தமிழ் தாள் II	3	100
3.	III	20UTAG31	பொதுத்தமிழ் தாள் III	3	100
4.	IV	20UTAG41	பொதுத்தமிழ் தாள் IV	3	100
<b>TOTAL</b>				<b>12</b>	<b>400</b>

### PART I-HINDI

S. No.	Sem.	Code	Title of the Course	Credits	Marks
1.	I	20UHDG11 22UHDG11	Hindi - Paper I Prose – I & II, Ancient Stories - I, General Essays, Functional Hindi – I & Grammar General Hindi – I	3	100
2.	II	20UHDG21 22UHDG21	Hindi - Paper II Drama, One Act Play, Letter, Correspondence, Functional Hindi – II & Grammar General Hindi – II	3	100
3.	III	20UHDG31 22UHDG31	Hindi - Paper III Ancient Poetry, Drama, Indian History, Hindi Grammar & Functional Hindi III Advanced Hindi – I	3	100
4.	IV	20UHDG41 22UHDG41	Hindi - Paper IV Modern Poetry, Hindi Literary Essays, Letter Correspondence, Conversation & Functional Hindi IV Advanced Hindi - II	3	100
<b>TOTAL</b>				<b>12</b>	<b>400</b>

### PART II-ENGLISH

S.No.	Sem.	Code	Title of the Course	Credits	Marks
1.	I	20UENG11A 20UENG11B 20UENG11C	English – Paper I English for Advanced Learners I English for Career Guidance - I English for Communicative Competence-I	3	100
2.	II	20UENG21A 20UENG21B 20UENG21C	English – Paper II English for Advanced Learners II English for Career Guidance - II English for Communicative Competence - II	3	100

3.	III	20UENG31A 20UENG31B 20UENG31C 22UENG31	English – Paper III English for Advanced Learners III English for Career Guidance – III English for Communicative Competence – III Communicative English – I	3	100
4.	IV	20UENG41A 20UENG41B 20UENG41C 22UENG41	English – Paper IV English for Advanced Learners IV English for Career Guidance – IV English for Communicative Competence – IV Communicative English – II	3	100
<b>TOTAL</b>				<b>12</b>	<b>400</b>

**PART III–CORE COURSES, DISCIPLINE SPECIFIC ELECTIVE COURSE**

S.No.	Sem.	Code	Title of Paper	Credits	Marks
1	I	20UCFC11/ 20UCFC11N	Fundamentals of Apparel Making	4	100
2	I	20UCFC12/ 20UCFC12N	Fibre and Yarn Science	4	100
3	II	20UCFC21/ 20UCFC21N	Pattern Making and Grading	4	100
4	II	20UCFC22/ 20UCFC22N	Sewing Technology	4	100
5	II	20UCFC21P	Fundamentals of Apparel Making Lab	2	100
6	III	20UCFC31	Pattern Drafting and Construction for Kid's Wear	5	100
7	IV	20UCFC41/ 20UCFC41N	Fabric Structure and Design	5	100
8	IV	20UCFC41P	Kid's Wear Lab	2	100
9	V	20UCFC51	Pattern Drafting and Construction for Adult Wear I	4	100
10	V	20UCFC52	Draping Techniques	4	100
11	V	20UCFC53	Textile Wet Processing	4	100
12	V	20UHSE51/ 20UHSE51N 20UCFE52/ 20UCFE53	Basic Statistics/ Fashion and Apparel Marketing/ Costumes and Textiles of the world	4	100
13	V	20UCFC5PR	Project	1	100
14	VI	20UCFC61	Pattern Drafting and Construction for Adult Wear II	4	100
15	VI	20UCFC62	Computer Aided Designing	4	100
16	VI	20UCFC63	Traditional Costumes and Indian Textiles	4	100

17	VI	20UHSE61/ 20UCFE62/ 20UCFE63	Culinary Art/ Perspectives of Textiles and Fashion/ Apparel Quality and Management	4	100
18	VI	20UCFQ61	Core Courses Quiz - Online	1	100
19	VI	20UCFC61P	Adult Wear Lab	3	100
20	VI	20UCFC62P	Draping Techniques and Computer Aided Designing Lab	3	100
21	VI	20UCFC63P	Textiles and Traditional Indian Embroideries Lab	2	100
<b>Total</b>				<b>72</b>	<b>2100</b>

**PART III – ALLIED COURSE I – HOME FURNISHING AND MARKETING**

S.No.	Sem.	Code	Title of Paper	Credits	Marks
1.	I	20UHSA11/ 20UHSA11N	Home Furnishing	4	100
2.	II	20UHSA21 20UHSA21P	Entrepreneurial Skill Development Home Textiles Lab	4 2	100 100
<b>Total</b>				<b>10</b>	<b>300</b>

**PART III – ALLIED COURSE II – FASHION PSYCHOLOGY**

S.No.	Sem.	Code	Title of Paper	Credits	Marks
1.	III	20UCFA31/ 20UCFA31N	Fashion Designing	4	100
	IV	20UCFA41/ 20UCFA41N	Fashion and Clothing Psychology	4	100
	IV	20UCFA41P	Fashion Illustration Lab	2	100
<b>Total</b>				<b>10</b>	<b>300</b>

**PART IV- SKILL ENHANCEMENT COURSES**

S.No.	Sem.	Code	Title of Paper	Credits	Marks
1.	II	20UCFS21P/ 20UCFS21PN	MS Office Lab	2	100
2.	III	20UCFS31	Fashion Merchandising	2	100
3.	IV	20UCFS41P	Surface Ornamentation Lab	2	100
4.	V	20UCFS51P	Fashion Accessories Lab	2	100
5.	V	20UCFS52	Technical Textiles	2	100
6.	VI	20UCFS61P	Fashion Portfolio and Design Collection Lab	2	100
<b>Total</b>				<b>12</b>	<b>600</b>

**PART IV– NON MAJOR ELECTIVE COURSES**

S.No.	Sem.	Code	Title of Paper	Credits	Marks
1.	III	20UCFN31	Basics of Fashion	2	100
2.	IV	20UCFN41	Interior Designing	2	100
<b>Total</b>				<b>4</b>	<b>200</b>

**PART IV- ABILITY ENHANCEMENT COMPULSORY COURSES, GENERIC ELECTIVE COURSES AND INTERNSHIP/ FIELD PROJECT**

S.No.	Sem.	Code	Title of the Course	Credits	Marks
1.	I	20UGVE11	Value Education	2	100
2.	V	20UGES51	Environmental Studies	1	100
3	III	20UGEH31 20UGEW32	Human Rights/ Women Studies	1	100
4.	IV	20UGEC41	Constitution of India/	1	100
		20UGEM42	Modern Economics/		
		20UGEA43	Adolescent Psychology/		
		20UGED44	Disaster Management		
		20UCFI41G	Internship/Field Project	1	100
5.	V	20UGCE51	Practice for Competitive Examinations–Online	1	100
<b>Total</b>				<b>7</b>	<b>600</b>

**PARTV-EXTENSIONACTIVITIES**

S.No.	Sem.	Code	Title of the Course	Credit
1	I,II,III,IV	20UVNS1 20UVNS2	National Service Scheme	1
2		20UVPE1	Physical Education	
3		20UVYR1 20UVYR2	Youth Red Cross Society	
4		20UVRR1	Red Ribbon Club	
5		20UVSF1	Science Forum	
6		20UVEC1	Eco Club	
7		20UCLI1	Library and Information Science	
8		20UVCC1	Consumer Club	
9		20UVHF1	Health and Fitness Club	
10		20UVNC1 20UVNC2	National Cadet Corps	
11		20UVRO1	Rotaract Club	

**EXTRA CREDIT COURSES (Optional)**

<b>S.No.</b>	<b>Sem.</b>	<b>Code</b>	<b>Title of the Course</b>	<b>Credits</b>	<b>Total Marks</b>
1.	V	20UCFO51	Sustainable Textiles	2	100





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### DEPARTMENT OF COSTUME DESIGN AND FASHION

Programme Code – 2030

Semester	Course Code	Title of the Course	Hours per week	Credits	Exam. Hours	Marks			
						Int.	Ext.	Total	
I	Part I	20UTAG11/ 20UHDG11	Tamil/Hindi I	6	3	3	25	75	100
	Part II	20UENG11A/ 20UENG11B/ 20UENG11C	English I	6	3	3	25	75	100
	Part III	20UCFC11	<b>Core Course-1</b> Fundamentals of Apparel Making	4	4	3	25	75	100
		20UCFC12	<b>Core Course-2</b> Fibre and Yarn Science	4	4	3	25	75	100
		20UCFC21P	<b>Core Practical-I</b> Fundamentals of Apparel Making Lab	2	-	3	-	-	-
		20UHSA11 20UHSA21P	<b>Allied Course I</b> Home Furnishing Allied Practical 1 Home Textiles Lab	4 2	4 -	3 -	25 -	75 -	100
	Part IV	20UGVE11	Value Education	2	2	-	100	-	100
<b>TOTAL</b>			<b>30</b>	<b>20</b>				<b>600</b>	

Semester	Course Code	Title of the Course	Hours per week	Credits	Exam. Hours	Marks			
						Int.	Ext.	Total	
II	Part I	20UTAG21/ 20UHDG21	Tamil/Hindi II	6	3	3	25	75	100
	Part II	20UENG21A/ 20UENG21B/ 20UENG21C	English II	6	3	3	25	75	100
	Part III	20UCFC21	<b>Core Course-3</b> Pattern Making and Grading	4	4	3	25	75	100
		20UCFC22	<b>Core Course-4</b> Sewing Technology	4	4	3	25	75	100
		20UCFC21P	<b>Core Practical I</b> Fundamentals of Apparel Making Lab	2	2	3	40	60	100
		20UHSA21 20UHSA21P	<b>Allied Course -I</b> Entrepreneurial Skill Development <b>Allied Practical-1</b> Home Textiles Lab	4 2	4 2	3 3	25 40	75 60	100 100
	Part IV	20UCFS21P	<b>SEC-1 MS Office Lab</b>	2 (1T*+1P)	2	2	40	60	100
	<b>TOTAL</b>			<b>30</b>	<b>24</b>				<b>800</b>

Semester	Course Code	Title of the Course	Hours per week	Credits	Exam. Hours	Marks			
						Int.	Ext.	Total	
III	Part I	20UTAG31/ 20UH DG31	Tamil/Hindi III	6	3	3	25	75	100
	Part II	20UENG31A/ 20UENG31B/ 20UENG31C	English III	6	3	3	25	75	100
	Part III	20UCFC31	<b>Core Course-5</b> Pattern Drafting and Construction for Kid's Wear	5	5	3	25	75	100
		20UCFC41P	<b>Core Practical-2</b> Kid's Wear Lab	2	-	3	-	-	
		20UCFA31 20UCFA41P	<b>Allied Course – II</b> Fashion Designing Allied Practical-2 Fashion Illustration Lab	4 2	4 -	3 3	25 -	75 -	100
	Part IV	20UCFS31	<b>SEC-2</b> Fashion Merchandising	2	2	2	40	60	100
		20UCFN31	<b>NMEC-1</b> Basics of Fashion	2	2	2	40	60	100
	Part IV	20UGEH31/ 20UGEW32	<b>Generic Elective -1</b> 1. Human Rights/ 2. Women studies	1	1	2	100		100
		<b>TOTAL</b>			<b>30</b>	<b>20</b>	<b>700</b>		

Semester	Course Code	Title of the Course	Hours Per Week	Credits	Exam. Hours	Marks			
						Int	Ext	Total	
IV	Part I	20UTAG41/ 20UHDG41	Tamil/Hindi IV	6	3	3	25	75	100
	Part II	20UENG41A/ 20UENG41B/ 20UENG41C	English IV	6	3	3	25	75	100
	Part III	20UCFC41	<b>Core Course-6</b> Fabric Structure and Design	5	5	3	25	75	100
		20UCFC41P	<b>Core Practical-2</b> Kid's Wear Lab	2	2	3	40	60	100
		20UCFA41	<b>Allied Course – II</b> Fashion and Clothing Psychology	4	4	3	25	75	100
		20UCFA41P	Allied Practical -2 Fashion Illustration Lab	2	2	3	40	60	100
	Part IV	20UCFS41P	<b>SEC-3</b> Surface Ornamentation Lab	2(1T*+1P)	2	2	40	60	100
		20UCFN41	<b>NMEC-2</b> Interior Designing	2	2	2	40	60	100
		20UCFI41G	Internship/Field Project	0	1	-	100	-	100
		20UGEC41 20UGEM42 20UGEA43 20UGED44	<b>Generic Elective-2</b> Constitution of India Modern Economics Adolescent psychology Disaster Management	1	1	2	100		100
	Part V		Extension Activities	-	1	100		100	
			<b>TOTAL</b>	<b>30</b>	<b>26</b>			<b>1100</b>	

Semester	Course Code	Title of the Course	Hours per week	Credits	Exam. Hours	Marks			
						Int.	Ext.	Total	
V	Part III	20UCFC51	<b>Core Course –7</b> Pattern Drafting and Construction for Adult Wear I	4	4	3	25	75	100
		20UCFC52	<b>Core Course – 8</b> Draping Techniques	4	4	3	25	75	100
		20UCFC53	<b>Core Course – 9</b> Textile Wet Processing	4	4	3	25	75	100
		20UCFC61P	<b>Core Practical – 3</b> Adult Wear Lab	3	-	3	-	-	-
		20UCFC62P	<b>Core Practical – 4</b> Draping Techniques Lab	3	-	3	-	-	-
		20UCFC63P	<b>Core Practical - 5</b> Textiles Lab	2	-	3	-	-	-
		20UHSE51/ 20UCFE52/ 20UCFE53	<b>DSEC-1</b> Basic Statistics Fashion and Apparel Marketing/ Costumes and Textiles of the World	4	4	3	25	75	100
		20UCFC5PR	<b>Core Course – 10</b> Project	0	1	-	100		100
	Part IV	20UGCE51	<b>Self-Study Course</b> Practice for Competitive Examinations– Online	-	1	-	100		100
		20UCFS51P	<b>SEC-4</b> Fashion Accessories Lab	2 (1T*+1P)	2	2	40	60	100
		20UCFS52	<b>SEC-5</b> Technical Textiles	2	2	2	40	60	100
		20UGES51	Environmental Studies	2	1	2	100		100
		<b>TOTAL</b>			<b>30</b>	<b>23</b>	<b>900</b>		

## Curriculum for Costume Design and Fashion

Semester	Course Code	Title of the Course	Hours Per week	Credits	Exam. Hours	Marks			
						Int.	Ext.	Total	
VI	Part III	20UCFC61	<b>Core Course – 11</b> Pattern Drafting and Construction for Adult Wear II	5	4	3	25	75	100
		20UCFC62	<b>Core Course – 12</b> Computer Aided Designing	5	4	3	25	75	100
		20UCFC63	<b>Core Course – 13</b> Traditional Costumes and Indian Textiles	5	4	3	25	75	100
		20UCFC61P	<b>Core Practical - 6</b> Adult Wear Lab	3	3	3	40	60	100
		20UCFC62P	<b>Core Practical – 7</b> Draping Techniques and Computer Aided Designing Lab	3	3	3	40	60	100
		20UCFC63P	<b>Core Practical – 8</b> Textiles and Traditional Indian Embroideries Lab	2	2	3	40	60	100
		20UHSE61/ 20UCFE62/ 20UCFE63	<b>DSEC-2</b> Culinary Art/ Perspectives of Textiles and Fashion/ Apparel Quality and Management	5	4	3	25	75	100
	20UCFQ61	<b>Self - study Course</b> Core Courses Quiz - Online	-	1	-	100		100	
Part IV	20UCFS61P	<b>SEC-6</b> Fashion Portfolio and Design Collection Lab	2 (1T*+1P)	2	2	40	60	100	
<b>TOTAL</b>			<b>30</b>	<b>27</b>				<b>900</b>	



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**VIRUDHUNAGAR - 626 001**

**DEPARTMENT OF COSTUME DESIGN AND FASHION**

Programme Code – 2030

### REVISED PROGRAMME CONTENT

Semester	Course Code	Title of the Course	Hours per week	Credits	Exam. Hours	Marks			
						Int.	Ext.	Total	
I	Part I	20UTAG11/ 20UHDG11	Tamil/Hindi I	6	3	3	25	75	100
	Part II	20UENG11A/ 20UENG11B/ 20UENG11C	English I	6	3	3	25	75	100
	Part III	20UCFC11N	<b>CoreCourse-1</b> Fundamentals of Apparel Making	4	4	3	25	75	100
		20UCFC12N	<b>CoreCourse-2</b> Fibre and Yarn Science	4	4	3	25	75	100
		20UCFC21P	<b>Core Practical-I</b> Fundamentals of Apparel Making Lab	2	-	3	-	-	-
		20UHSA11N 20UHSA21P	<b>Allied Course I</b> Home Furnishing <b>Allied Practical 1</b> Home Textiles Lab	4 2	4 -	3 -	25 -	75 -	100
	Part IV	20UGVE11	Value Education	2	2	-	100	-	100
	<b>TOTAL</b>			<b>30</b>	<b>20</b>				<b>600</b>

Semester	Course Code	Title of the Course	Hours Per week	Credits	Exam. Hours	Marks			
						Int.	Ext.	Total	
II	Part I	20UTAG21/ 20UHDG21	Tamil/Hindi II	6	3	3	25	75	100
	Part II	20UENG21A/ 20UENG21B/ 20UENG21C	English II	6	3	3	25	75	100
	Part III	20UCFC21N	<b>Core Course-3</b> Pattern Making and Grading	4	4	3	25	75	100
		20UCFC22N	<b>Core Course-4</b> Sewing Technology	4	4	3	25	75	100
		20UCFC21P	<b>Core Practical I</b> Fundamentals of Apparel Making Lab	2	2	3	40	60	100
		20UHSA21 20UHSA21P	<b>Allied Course -I</b> Entrepreneurial Skill Development <b>Allied Practical-1</b> Home Textiles Lab	4 2	4 2	3 3	25 40	75 60	100 100
	Part IV	20UCFS21PN	<b>SEC-1 MS Office Lab</b>	2 (1T*+1P)	2	2	40	60	100
	<b>TOTAL</b>			<b>30</b>	<b>24</b>				<b>800</b>



Semester	Course Code	Title of the Course	Hours per week	Credits	Exam. Hours	Marks			
						Int.	Ext.	Total	
III	Part I	20UTAG31/ 20UHGD31	Tamil/Hindi III	6	3	3	25	75	100
	Part II	20UENG31A/ 20UENG31B/ 20UENG31C	English III	6	3	3	25	75	100
	Part III	20UCFC31	<b>Core Course-5</b> Pattern Drafting and Construction for Kid's Wear	5	5	3	25	75	100
		20UCFC41P	<b>Core Practical-2</b> Kid's Wear Lab	2	-	3	-	-	
		20UCFA31N 20UCFA41P	<b>Allied Course – II</b> Fashion Designing Allied Practical-2 Fashion Illustration Lab	4 2	4 -	3 3	25 -	75 -	100
	Part IV	20UCFS31	<b>SEC-2</b> Fashion Merchandising	2	2	2	40	60	100
		20UCFN31	<b>NMEC-1</b> Basics of Fashion	2	2	2	40	60	100
	Part IV	20UGEH31/ 20UGEW32	<b>Generic Elective -1</b> 1. Human Rights/ 2. Women studies	1	1	2	100		100
		<b>TOTAL</b>			<b>30</b>	<b>20</b>			

Semester	Course Code	Title of the Course	Hours Per Week	Credits	Exam. Hours	Marks			
						Int	Ext	Total	
IV	Part I	20UTAG41/ 20UHDG41	Tamil/Hindi IV	6	3	3	25	75	100
	Part II	20UENG41A/ 20UENG41B/ 20UENG41C	English IV	6	3	3	25	75	100
	Part III	20UCFC41N	<b>Core Course-6</b> Fabric Structure and Design	5	5	3	25	75	100
		20UCFC41P	<b>Core Practical-2</b> Kid's Wear Lab	2	2	3	40	60	100
		20UCFA41N	<b>Allied Course – II</b> Fashion and Clothing Psychology	4	4	3	25	75	100
		20UCFA41P	<b>Allied Practical -2</b> Fashion Illustration Lab	2	2	3	40	60	100
	Part IV	20UCFS41P	<b>SEC-3</b> Surface Ornamentation Lab	2(1T*+1P)	2	2	40	60	100
		20UCFN41	<b>NMEC-2</b> Interior Designing	2	2	2	40	60	100
		20UCFI41G	Internship/Field Project	0	1	-	100	-	100
		20UGEC41 20UGEM42 20UGEA43 20UGED44	<b>Generic Elective-2</b> Constitution of India Modern Economics Adolescent psychology Disaster Management	1	1	2	100		100
	Part V		Extension Activities	-	1	100		100	
			<b>TOTAL</b>	<b>30</b>	<b>26</b>			<b>1100</b>	

Semester	Course Code	Title of the Course	Hours per week	Credits	Exam. Hours	Marks			
						Int.	Ext.	Total	
V	Part III	20UCFC51	<b>Core Course –7</b> Pattern Drafting and Construction for Adult Wear I	4	4	3	25	75	100
		20UCFC52	<b>Core Course – 8</b> Draping Techniques	4	4	3	25	75	100
		20UCFC53	<b>Core Course – 9</b> Textile Wet Processing	4	4	3	25	75	100
		20UCFC61P	<b>Core Practical – 3</b> Adult Wear Lab	3	-	3	-	-	-
		20UCFC62P	<b>Core Practical – 4</b> Draping Techniques Lab	3	-	3	-	-	-
		20UCFC63P	<b>Core Practical - 5</b> Textiles Lab	2	-	3	-	-	-
		20UHSE51N/ 20UCFE52/ 20UCFE53	<b>DSEC-1</b> Basic Statistics Fashion and Apparel Marketing/ Costumes and Textiles of the World	4	4	3	25	75	100
	20UCFC5PR	<b>Core Course – 10</b> Project	0	1	-	100		100	
	Part IV	20UGCE51	<b>Self-Study Course</b> Practice for Competitive Examinations– Online	-	1	-	100		100
		20UCFS51P	<b>SEC-4</b> Fashion Accessories Lab	2 (1T*+1P)	2	2	40	60	100
		20UCFS52	<b>SEC-5</b> Technical Textiles	2	2	2	40	60	100
		20UGES51	Environmental Studies	2	1	2	100		100
			<b>TOTAL</b>	<b>30</b>	<b>23</b>			<b>900</b>	

Semester	Course Code	Title of the Course	Hours Per week	Credits	Exam. Hours	Marks			
						Int.	Ext.	Total	
VI	Part III	20UCFC61	<b>Core Course – 11</b> Pattern Drafting and Construction for Adult Wear II	5	4	3	25	75	100
		20UCFC62	<b>Core Course – 12</b> Computer Aided Designing	5	4	3	25	75	100
		20UCFC63	<b>Core Course – 13</b> Traditional Costumes and Indian Textiles	5	4	3	25	75	100
		20UCFC61P	<b>Core Practical - 6</b> Adult Wear Lab	3	3	3	40	60	100
		20UCFC62P	<b>Core Practical – 7</b> Draping Techniques and Computer Aided Designing Lab	3	3	3	40	60	100
		20UCFC63P	<b>Core Practical – 8</b> Textiles and Traditional Indian Embroideries Lab	2	2	3	40	60	100
		20UHSE61/ 20UCFE62/ 20UCFE63	<b>DSEC-2</b> Culinary Art/ Perspectives of Textiles and Fashion/ Apparel Quality and Management	5	4	3	25	75	100
	20UCFQ61	<b>Self - study Course</b> Core Courses Quiz - Online	-	1	-	100		100	
Part IV	20UCFS61P	<b>SEC-6</b> Fashion Portfolio and Design Collection Lab	2 (1T*+1P)	2	2	40	60	100	
<b>TOTAL</b>			<b>30</b>	<b>27</b>				<b>900</b>	



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VIRUDHUNAGAR - 626 001

### B.Sc. COSTUME DESIGN AND FASHION

(2020 -2021 onwards)

Semester I	<b>FUNDAMENTALS OF APPAREL MAKING</b>	Hours/Week: 4	
Core Course-1		Credits: 4	
Course Code <b>20UCFC11</b>		Internal25	External75

#### COURSE OUTCOMES

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

CO1: describe the concepts of various tools, fabrics and garment components such as stitches, seams, seam finishes, fullness, sleeves, neck finishes, fasteners, trimmings, skirts, plackets, yokes, pockets and collars needed for clothing construction. [K1]

CO2: explain the importance, methods and types in clothing construction to make attire. [K2]

CO3: apply the construction techniques to develop the basics of garment construction. [K3]

CO4: find the applications of the basics of clothing construction in an attractive way. [K3]

CO5: analyze the factors to be considered while making the basics of clothing construction and discover the trendy garments. [K4]

#### UNIT I Dress Making

Essential tools – cutting tools, measuring tools, marking tools, general tools and pressing tools. Selection of fabric- factors to be considered in selection. Grain importance of grain in fabric construction. (11Hours)

#### UNIT II Stitches Seams and Seam Finishes

Stitches– meaning, types –temporary stitches and permanent stitches. Seams- meaning, types - plain, single top, double top, french, flat fell, welt, lapped, piped and slot seam. Seam finishes - meaning, types - herring bone, pinked, edge stitched, double stitched finish.

(12 Hours)

**UNIT III Cut and Fit Techniques**

Fullness- meaning, types- Darts– single pointed dart and double pointed dart. Tucks-pin tuck, cross tuck, group tuck, shell tuck and corded tuck. Gathers-gathering by hand, machine and elastic. Pleats – kick, fan, cartridge, pinch, knife, box and inverted box pleats. Frills – single layer, double layer frill. Godets and ruffles. (11 Hours)

**UNIT IV Sleeves and Fasteners**

Sleeves – making patterns of different types of sleeves, constructing different types of sleeves- plain, puff, leg – o – mutton, raglan and kimono. Various neck finishes – U neck, square neck and asymmetrical neck line, facing, piping and binding. Fasteners – zipper, shirt button, fancy button, press button, button hole, hook and eye. Trimmings – fringes, tassels, pompoms. Skirts – plain skirt, gathered skirt, long gored skirt, circular skirt and semicircular skirt.

(13 Hours)

**UNIT V Placket, Collar and Pocket Variations**

Plaquettes – continuous placket and two piece placket. Yokes – selection of yoke design, creating variety in yoke design, preparing patterns for different types of yokes, hints on attaching yokes. Pockets – patch pocket, set-in pocket, pocket set into a seam, selection of pocket design, creating variety in pocket design, constructing different types of pockets. Collars – designing collars, classification of collars, preparing patterns for different types of collars and application of collars. (13 Hours)

**TEXT BOOK**

Hutchinson, (1980). *Sew Simple*, London: Melbourne Sydney Auckland Johannesburg.

**REFERENCE BOOKS**

1. Anita Tyagi, (2016). *Garment Construction*, New Delhi: Sonali Publications.
2. Digest, R. (1976). *Complete Guide to Sewing*, New York: The Reader's Digest Association, The Pleasant Ville.
3. Mathews, M. (1985). *Practical Clothing Construction*, Chennai: (Part I) Basic Sewing Processes.
4. Seema Kapoor, (2016). *Apparel Manufacturing Technology*, New Delhi: Sonali Publications.
5. Shri Arvind, K. Zarapkar, (2009). *Zarapkar System of Cutting*, India: Navneet Publications Ltd.
6. Virginia Stolpe, L. (1973). *Comparative Clothing Construction Techniques*, Delhi: Surjeeth Publications.

Course Code 20UCFC11	PO1		PO2		PO3	PO4		PO5	PO6	PO7
	PSO 1.a	PSO 1.b	PSO 2.a	PSO 2.b	PSO 3	PSO 4.a	PSO 4.b	PSO 5	PSO 6	PSO 7
CO 1	H	H	M	M	-	-	-	-	-	-
CO 2	H	H	M	M	-	-	-	-	-	-
CO 3	H	H	H	H	H	H	M	-	-	-
CO 4	H	H	H	M	H	H	H	-	-	-
CO 5	H	H	M	M	M	M	M	-	-	-

Mrs.J.Athirstam  
Head of the Department

Mrs.J.Athirstam  
Course Designer



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**VIRUDHUNAGAR - 626 001**

**B.Sc. COSTUME DESIGN AND FASHION**  
**(2023 -2024 onwards)**

Semester I	<b>FUNDAMENTALS OF APPAREL MAKING</b>	Hours/Week: 4	
Core Course-1		Credits: 4	
Course Code <b>20UCFC11N</b>		Internal 25	External 75

### **COURSE OUTCOMES**

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

CO1: describe the concepts of various tools, fabrics and garment components such as stitches, seams, seam finishes, fullness, sleeves, neck finishes, fasteners, trimmings, skirts, plackets, yokes, pockets and collars needed for clothing construction. [K1]

CO2: explain the importance, methods and types in clothing construction to make attire. [K2]

CO3: apply the construction techniques to develop the basics of garment construction. [K3]

CO4: find the applications of the basics of clothing construction in an attractive way. [K3]

CO5: analyze the factors to be considered while making the basics of clothing construction and discover the trendy garments. [K4]

### **UNIT I Dress Making**

Sewing Machine – Parts and functions - care and maintenance, common problems and remedies. Essential tools – cutting tools, measuring tools, marking tools, general tools and pressing tools. Selection of fabric- factors to be considered in selection. Grain importance of grain in fabric construction. (11Hours)

### **UNIT II Stitches Seams and Seam Finishes**

Stitches– meaning, types –temporary stitches and permanent stitches. Seams- meaning, types - plain, single top, double top, french, flat fell, welt, lapped, piped and slot seam. Seam finishes - meaning, types - herring bone, pinked, edge stitched, double stitched finish. (12 Hours)

### **UNIT III Cut and Fit Techniques**

Fullness- meaning, types- Darts– single pointed dart and double pointed dart. Tucks-pin tuck, cross tuck, group tuck, shell tuck and corded tuck. Gathers-gathering by hand, machine



and elastic. Pleats – kick, fan, cartridge, pinch, knife, box and inverted box pleats. Frills – single layer, double layer frill. Godets and ruffles. (11 Hours)

#### **UNIT IV Sleeves and Fasteners**

Sleeves – making patterns of different types of sleeves, constructing different types of sleeves- plain, puff, leg – o – mutton, raglan and kimono. Various neck finishes – U neck, square neck and asymmetrical neck line, facing, piping and binding. Fasteners – zipper, shirt button, fancy button, press button, button hole, hook and eye. Trimmings – fringes, tassels, pompoms. Skirts – plain skirt, gathered skirt, long gored skirt, circular skirt and semicircular skirt.

(13 Hours)

#### **UNIT V Placket, Collar and Pocket Variations**

Plaquettes – continuous placket and two piece placket. Yokes – selection of yoke design, creating variety in yoke design, preparing patterns for different types of yokes, hints on attaching yokes. Pockets – patch pocket, set-in pocket, pocket set into a seam, selection of pocket design, creating variety in pocket design, constructing different types of pockets. Collars – designing collars, classification of collars, preparing patterns for different types of collars and application of collars. (13 Hours)

#### **TEXT BOOK**

Mathews, M. (1985). *Practical Clothing Construction*, Chennai: (Part I) Basic Sewing Processes.

#### **REFERENCE BOOKS**

1. Anita Tyagi, (2016). *Garment Construction*, New Delhi: Sonali Publications.
2. Digest, R. (1976). *Complete Guide to Sewing*, New York: The Reader's Digest Association, The Pleasantville.
3. Hutchinson, (1980). *Sew Simple*, London: Melbourne Sydney Auckland Johannesburg.
4. Mathews, M. (1985). *Practical Clothing Construction*, Chennai: (Part I) Basic Sewing Processes.
5. Seema Kapoor, (2016). *Apparel Manufacturing Technology*, New Delhi: Sonali Publications.
6. Shri Arvind, K. Zarpkar, (2009). *Zarpkar System of Cutting*, India: Navneet Publications Ltd.
7. Virginia Stolpe, L. (1973). *Comparative Clothing Construction Techniques*, Delhi: Surjeeth Publications.

Course Code 20UCFC11N	PO1		PO2		PO3	PO4		PO5	PO6	PO7
	PSO 1.a	PSO 1.b	PSO 2.a	PSO 2.b	PSO 3	PSO 4.a	PSO 4.b	PSO 5	PSO 6	PSO 7
CO1	H	H	M	M	-	-	-	-	-	-
CO2	H	H	M	M	-	-	-	-	-	-
CO3	H	H	H	H	H	H	M	-	-	-
CO4	H	H	H	M	H	H	H	-	-	-
CO5	H	H	M	M	M	M	M	-	-	-

Mrs.J.Athirstam  
Head of the Department

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Course Designer



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### B.Sc. COSTUME DESIGN AND FASHION

(2020 -2021onwards)

Semester I	<b>FIBER AND YARN SCIENCE</b>	Hours/Week: 4	
Core Course-2		Credits: 4	
Course Code <b>20UCFC12</b>		Internal 25	External 75

#### COURSE OUTCOMES

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

CO1: describe the basic concepts of various textile fibres, yarns and threads. [K1]

CO2: classify the types of fibres, yarns, threads and also the characteristics and importance of threads in textile industries. [K2]

CO3: trace the properties, significance and manufacturing process of fibres, yarns and threads. [K2]

CO4: identify the various types of fibre and find the changes that occur in the processing of fibres and yarns and also select the quality threads for sewing. [K3]

CO5: analyze the role and end uses of fibres, yarns and threads in textile industries. [K4]

#### UNIT I Textile Fibres

Introduction to textile fibres – definition, sources, classification, properties of textile fibres, primary & secondary characteristics of textile fibres. Identification of textile fibres- visual, burning, microscopic and solubility test. Longitudinal and cross sectional views - cotton, wool, silk, polyester, nylon, polypropylene and acrylic fibres. (13 Hours)

#### UNIT II Manufacturing Process

Cellulose fibres – manufacturing process – properties and end uses - cotton, hemp, ramie, bamboo, lyocel, banana, linen and Jute. Protein fibres- production source, properties and end uses- silk and wool. Regenerated cellulose fibres – production source, properties and end uses – viscose rayon, acetate rayon. (13Hours)

#### UNIT III Synthetic Fibres

Synthetic fibres – production source, properties and end uses - nylon, polyester, acrylic, modacrylic, polyethylene and polypropylene, (spandex and lycra). (11Hours)

#### **UNIT IV Yarn manufacturing Process**

Yarn manufacturing process for short staple fibres, study of yarn twist and its importance. Spinning process – ring and open end yarn spinning. Flowchart for manufacturing carded, combed yarn and folder yarn. Difference between ring spinning and air jet spinning. (12Hours)

#### **UNIT V Types of Yarns**

Yarn - definition, classification –texturisation – types (simple and complex yarns) and uses, blends – types, uses of blended yarns. Sewing threads – types and properties and fancy yarns. (11 Hours)

#### **TEXT BOOK**

Deepali Rastogi, Sheetal Chopra, (2017). *Textile Science*, Hyderabad: Orient Blackswan Private Limited.

#### **REFERENCE BOOKS**

1. Gohl, E.P.G. Velensky, L.D. (2003). *Textile Science*, India: CBS Publishers and Distributors.
2. Hall, A.J., (2004). *The Standard Hand Book of Textile*, 8<sup>th</sup> Edition. England: Cambridge, Wood Head Publishing.
3. Pushpanjali, (2016). *Simulation for Textile Mechanics*, New Delhi: Random Publications.
4. Sara, J. Kadolph, (2007). *Textiles*, 10<sup>th</sup> Edition. USA: Prentice Hall, Iowa State University.
5. Sandeep Roy, (2016). *Mechanical Tools of Fabric Construction*, New Delhi: Random Publications.
6. Sangeeta Singh, (2014). *Yarn Technology*, New Delhi: Sonali Publications.
7. Seema Sekhri, (2017). *Text Book of Fabric Science Fundamentals to Finishing*, 2<sup>nd</sup> Edition. New Delhi: PHI Learning Private Limited.
8. Vidyasagar, P.V. (2005). *Hand Book of Textile*, India: A. Mittal Publications.

Course Code 20UCFC12	PO1		PO2		PO3	PO4		PO5	PO6	PO7
	PSO 1.a	PSO 1.b	PSO 2.a	PSO 2.b	PSO 3	PSO 4.a	PSO 4.b	PSO 5	PSO 6	PSO 7
CO 1	H	H	L	L	-	-	-	-	-	-
CO 2	H	H	M	L	-	-	-	-	-	-
CO 3	H	H	M	M	-	-	-	-	-	-
CO 4	H	H	M	M	H	L	L	-	-	-
CO 5	H	H	M	M	M	H	M	M	-	-

Mrs.J.Athirstam  
Head of the Department

Mrs.R.Subha  
Course Designer



## V.V.VANNIAPERUMAL COLLEGE FOR WOMEN

(Belonging to Virudhunagar Hindu Nadars)

An Autonomous Institution Affiliated to Madurai Kamaraj University, Madurai

Re-accredited with 'A' Grade (3<sup>rd</sup> Cycle) by NAAC

**VIRUDHUNAGAR - 626 001**

### B.Sc. COSTUME DESIGN AND FASHION

(2023 -2024onwards)

Semester I	<b>FIBER AND YARN SCIENCE</b>	Hours/Week: 4	
Core Course-2		Credits: 4	
Course Code <b>20UCFC12N</b>		Internal 25	External 75

#### COURSE OUTCOMES

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

CO1: describe the basic concepts of various textile fibres, yarns and threads. [K1]

CO2: classify the types of fibres, yarns, threads and also the characteristics and importance of threads in textile industries.[K2]

CO3: trace the properties, significance and manufacturing process of fibres, yarns and threads. [K2]

CO4: identify the various types of fibre and find the changes that occur in the processing of fibres and yarns and also select the quality threads for sewing. [K3]

CO5: analyze the role and end uses of fibres, yarns and threads in textile industries. [K4]

#### UNIT I Textile Fibres

Introduction to textile fibres – definition, sources, classification, properties of textile fibres, primary & secondary characteristics of textile fibres. Identification of textile fibres- visual, burning, microscopic and solubility test. Longitudinal and cross sectional views - cotton, wool, silk, polyester, nylon, polypropylene and acrylic fibres. (11Hours)

#### UNIT II Manufacturing Process

Cellulose fibres – manufacturing process – properties and end uses - cotton, hemp, ramie, bamboo, lyocel, banana, linen and Jute. Protein fibres- production source, properties and end uses- silk and wool. Regenerated cellulose fibres – production source, properties and end uses – viscose rayon, acetate rayon. (13Hours)

### UNIT III Synthetic Fibres

Synthetic fibres – production source, properties and end uses - nylon, polyester, acrylic, modacrylic, polyethylene and polypropylene, (spandex and lycra). (12Hours)

### UNIT IV Yarn manufacturing Process

Yarn manufacturing process for short staple fibres. Spinning –definition, classification – chemical and mechanical. Spinning process – ring, open end, air-jet, compact, SIRO and friction. Flowchart for manufacturing carded, combed yarn and folder yarn. Difference between ring spinning and air jet spinning. (12Hours)

### UNIT V Types of Yarns

Yarn - definition, types- staple and filament. Classification – study of yarn twist and its importance – yarn numbering, yarn count and yarn hairiness. Texturisation – types (simple and complex yarns) and uses, blends – types, uses of blended yarns. Sewing threads – types and properties and fancy yarns. (12 Hours)

### TEXT BOOK

Deepali Rastogi, Sheetal Chopra, (2017). *Textile Science*, Hyderabad: Orient Blackswan Private Limited.

### REFERENCE BOOKS

1. Gohl, E.P.G. Velensky, L.D. (2003). *Textile Science*, India: CBS Publishers and Distributors.
2. Hall, A.J., (2004). *The Standard Hand Book of Textile*, 8<sup>th</sup> Edition. England: Cambridge, Wood Head Publishing.
3. Pushpanjali, (2016). *Simulation for Textile Mechanics*, New Delhi: Random Publications.
4. Sara, J. Kadolph, (2007). *Textiles*, 10<sup>th</sup> Edition. USA: Prentice Hall, Iowa State University.
5. Sandeep Roy, (2016). *Mechanical Tools of Fabric Construction*, New Delhi: Random Publications.
6. Sangeeta Singh, (2014). *Yarn Technology*, New Delhi: Sonali Publications.
7. Seema Sekhri, (2017). *Text Book of Fabric Science Fundamentals to Finishing*, 2<sup>nd</sup> Edition. New Delhi: PHI Learning Private Limited.
8. Vidyasagar, P.V. (2005). *Hand Book of Textile*, India: A. Mittal Publications.

Course Code 20UCFC12N	PO1		PO2		PO3	PO4		PO5	PO6	PO7
	PSO 1.a	PSO 1.b	PSO 2.a	PSO 2.b	PSO 3	PSO 4.a	PSO 4.b	PSO 5	PSO 6	PSO 7
CO1	H	H	L	L	-	-	-	-	-	-
CO2	H	H	M	L	-	-	-	-	-	-
CO3	H	H	M	M	-	-	-	-	-	-
CO4	H	H	M	M	H	L	L	-	-	-
CO5	H	H	M	M	M	H	M	M	-	-

Mrs.J.Athirstam  
Head of the Department

Ms.L.Devimuthumari  
Course Designer





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**VIRUDHUNAGAR - 626 001**

### B.Sc. COSTUME DESIGN AND FASHION (2020 -2021 onwards)

Semester I	<b>HOME FURNISHING</b>	Hours/Week: 4	
<b>Allied Course-I</b>		Credits: 4	
Course Code 20UHSA11		Internal 25	External 75

#### COURSE OUTCOMES

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

CO1: state the concept, objectives and importance of home furnishing accessories, stain removal and dry cleaning. [K1]

CO2: classify the types of home furnishing, stain and dry cleaning. [K2]

CO3: select the appropriate furnishing materials for various home furnishing and methods of stain removal and dry cleaning. [K2]

CO4: apply the techniques involved in home furnishing, stain removal and dry cleaning. [K3]

CO5: analyze the factors to be considered while planning to furnish the home and care and maintenance of home furnishing materials. [K4]

#### UNIT I

##### Introduction to Home Furnishing

Introduction to home furnishing – types and selection of furnishing materials. Living room linen – upholstery, wall hangings sofa cover, cushion cover, bolster and bolster cover. (9 Hours)

#### UNIT II

##### Curtains and Draperies

Doors and windows – types. Curtains - draw, tailored, pleated, café curtains, 3 tier curtains - accessories and functions, care and maintenance. Styles in draperies. Valances - types. (13 Hours)

**UNIT III****Floor Coverings and Wall Coverings**

Wall coverings-definition, types, use and care. Floor coverings- hard floor coverings-definition, types, use and care. Soft floor coverings - definition, types, use and care. (15 Hours)

**UNIT IV****Linens**

Types of Bed linen – sheets, blankets, blankets covers, comfort, comfort covers, bed spreads, mattress, mattress covers, pillow and pillow covers. Kitchen linen –apron, table linen and hand towel. Bath room linen –bath towel. (13 Hours)

**UNIT V****Care and Maintenance**

Dry Cleaning – definition, types of fabric polishing Stain removal – classification into animals, vegetables, grease, dye and mineral stain – scorch and glass stain – general rules and ways of stains removal. (10 Hours)

**TEXTBOOK**

Muriel clark, and Pauline. (1981). *Home Management a Fresh Approach*, London: Richard clay Ltd.

**REFERENCE BOOKS**

1. Baker,W. (2000).*Curtain and Fabric Sector*, London: Collins and Brown Publication Pvt. Ltd.
2. Alexander,N.G. (2002).*Designing Interior Environment*, University of Glasgow.
3. Deulkar, D. (1991). *Household Textiles and Laundry work*, New Delhi: Alma Ram and Sons.
4. Dantyagi,S. (1980).*Fundamentals of Textiles and their Care*, New Delhi: Orient Longman Ltd.

Course Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7
20UHSA11	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6	PSO 7
CO1	M	M	-	-	H	-	-
CO2	H	M	-	-	H	-	-
CO3	H	M	-	-	H	-	-
CO4	H	M	H	M	H	-	M
CO5	H	M	H	M	H	-	-

Dr.D.Vijayarani  
Head of the Department

Dr.D.Vijayarani  
Course Designer



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**VIRUDHUNAGAR - 626 001**

### B.Sc. COSTUME DESIGN AND FASHION

(2023 -2024 onwards)

<b>Semester I</b>	<b>HOME FURNISHING</b>	<b>Hours/Week: 4</b>	
<b>Allied Course-I</b>		<b>Credits: 4</b>	
<b>Course Code</b> 20UHSA11N		<b>Internal</b> 25	<b>External</b> 75

#### COURSE OUTCOMES

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

CO1: state the concept, objectives and importance of home furnishing accessories, stain removal and dry cleaning. [K1]

CO2: classify the types of home furnishing, stain and dry cleaning. [K2]

CO3: select the appropriate furnishing materials for various home furnishing and methods of stain removal and dry cleaning. [K2]

CO4: apply the principles and techniques involved in home furnishing, stain removal and dry cleaning. [K3]

CO5: analyze the factors to be considered while planning to furnish the home and care and maintenance of home furnishing materials. [K4]

#### UNIT I

##### Introduction to Home Furnishing

Introduction to home furnishing – types and selection of furnishing materials. Living room linen – upholstery, wall hangings, sofa cover, cushion cover, bolster and bolster cover. (12 Hours)

#### UNIT II

##### Curtains and Draperies

Doors and windows – types. Curtains - draw, tailored, pleated, café curtains, 3 tier curtains - accessories and functions, care and maintenance. Styles in draperies. Valances – types (12 Hours)

**UNIT III****Floor Coverings and Wall Coverings**

Wall coverings-definition, types, use and care. Floor coverings- hard floor coverings- definition, types, use and care. Soft floor coverings - definition, types, use and care. (12 Hours)

**UNIT IV****Linens**

Types of Bed linen – sheets, blankets, blankets covers, comfort, comfort covers, bed spreads, mattress, mattress covers, pillow and pillow covers. Kitchen linen –apron, table linen and hand towel. Bath room linen –bath towel. (12 Hours)

**UNIT V****Care and Maintenance**

Dry Cleaning – definition, principles and methods. Fabric polishing - types. Stain removal – classification - animals, vegetables, grease, dye and mineral stain – scorch and glass stain – general rules and ways of stains removal. (12Hours)

**TEXTBOOK**

Muriel clark, and Pauline. (1981). *Home Management a Fresh Approach*, London: Richard clay Ltd.

**REFERENCE BOOKS**

1. Baker,W. (2000).*Curtain and Fabric Sector*, London: Collins and Brown Publication Pvt. Ltd.
2. Alexander,N.G. (2002).*Designing Interior Environment*, University of Glasgow.
3. Deulkar, D. (1991). *Household Textiles and Laundry work*, New Delhi: Alma Ram and Sons.
4. Dantiyagi,S. (1980).*Fundamentals of Textiles and their Care*, New Delhi: Orient Longman Ltd.

Course Code 20UHSA11N	PO1	PO2	PO3	PO4	PO5	PO6	PO7
	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6	PSO 7
CO1	M	M	-	-	H	-	-
CO2	H	M	-	-	H	-	-
CO3	H	M	-	-	H	-	-
CO4	H	M	H	M	H	-	M
CO5	H	M	H	M	H	-	-

Dr.D.Vijayarani  
Head of the Department

Dr.D.Vijayarani  
Course Designer



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**VIRUDHUNAGAR - 626 001**

### B.Sc. COSTUME DESIGN AND FASHION

(2020 -2021 onwards)

Semester II	<b>PATTERN MAKING AND GRADING</b>	Hours/Week: 4	
Core Course - 3		Credits: 4	
Course Code <b>20UCFC21</b>		Internal 25	External 75

### COURSE OUTCOMES

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

CO1: describe the concepts of body measurements, pattern making, draping, grading, preparing layout, pattern alteration and garment fitting. [K1]

CO2: show the importance, types and steps involved in making a good fit garment. [k2]

CO3: apply the rules, methods and principles followed in creating a garment. [K3]

CO4: utilize the techniques needed for the pre preparation of a garment making with a good fit by using appropriate measurements. [K3]

CO5: compare and contrast the body measurements of ladies and gentlemen and various pattern grading, pattern layout and pattern making and analyze the problems in a garment and alter it with a good fit. [K4]

### UNIT I Body Measurements

Anatomy of human body – eight head theory. Body measurements – importance, preparing for measuring, ladies measurements, boys and men's measurements. Standardizing body measurements – importance, techniques used. Relative length and girth measures in ladies / gentlemen. (12Hours)

### UNIT II Pattern Making

Pattern making – methods of pattern making – (drafting and draping), merits and demerits. Types of paper patterns (patterns for personal measurements and commercial patterns). Principles of pattern drafting. Drafting pattern-steps in drafting basic bodice front, back and sleeve. Draping – preparation of body form, steps in draping. (12Hours)

### **UNIT III Garment Fitting**

Dart manipulation and garment fitting -styles created by shifting of blouse darts, adding fullness to the bodice, converting darts to a partial yoke design and incorporating darts into a seam forming the yokes. Fitting – standards of a good fit, steps in preparing a blouse for fitting, checking the fitness of a blouse, solving fitting problems in a blouse, fitting techniques.

(12 Hours)

### **UNIT IV Pattern Alteration**

Pattern alteration – importance of altering patterns, general principles for pattern alteration, common pattern alteration in a blouse. Pattern grading – definition, types, manual – master grades, basic front, basic back, basic sleeve, basic collar and basic grading. (12Hours)

### **UNIT V Pattern Layout**

Pattern layout – definition, purpose, rules in layout, types of layout (methods), and layouts for lengthwise striped designs, fabric with bold designs, asymmetric designs, one way designs. Fabric cutting, transferring pattern markings, stay stitching and ease stitching, managing insufficient cloth. (12Hours)

### **TEXT BOOK**

Mathews, M. (1986). *Practical Clothing Construction, – Part I and II*. Chennai: Cosmic Press.

### **REFERENCE BOOKS**

1. Anita Tyagi, (2016). *Garment Construction*, New Delhi: Sonali Publications.
2. Cooklin, G. (1990). *Pattern Grading for Women's Clothes*, UK: The Technology of Sizing –Blackwell Science Ltd.
3. Hall, Gerald Washall stage 5 (1984). *Tailoring Techniques*, London: Fredrick Warne.
4. Seema Kapoor, (2016). *Apparel Manufacturing Technology*, New Delhi: Sonali Publications.
5. Shri ArvindK. Zarpkar, (2009). *Zarpkar System of Cutting*, India: Navneet Publications Ltd.
6. Helen Joseph-Amstrong, (2014). *Pattern making for Fashion Design*, 5<sup>th</sup> Edition. India: Dorling Kinderslery Pvt Ltd.

Course Code 20UCFC21	PO1		PO2		PO3	PO4		PO5	PO6	PO7
	PSO 1.a	PSO 1.b	PSO 2.a	PSO 2.b	PSO 3	PSO 4.a	PSO 4.b	PSO 5	PSO 6	PSO 7
	CO 1	H	H	M	M	-	-	-	-	-
CO 2	H	H	M	M	-	-	-	-	-	-
CO 3	H	H	H	H	H	M	M	-	-	-
CO 4	H	H	H	H	H	M	M	-	-	-
CO 5	H	H	H	H	H	H	M	-	-	-

Mrs.J.Athirstam  
Head of the Department

Ms.L.Devimuthumari  
Course Designer



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VIRUDHUNAGAR - 626 001

### B.Sc. COSTUME DESIGN AND FASHION

(2022 -2023 onwards)

Semester II	<b>PATTERN MAKING AND GRADING</b>	Hours/Week: 4	
Core Course –3		Credits: 4	
Course Code <b>20UCFC21N</b>		Internal 25	External 75

### COURSE OUTCOMES

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

CO1: describe the concepts of body measurements, pattern making, draping, grading, preparing layout, pattern alteration and garment fitting. [K1]

CO2: show the importance, types and steps involved in making a pattern and good fit garment. [K2]

CO3: apply the rules, methods and principles followed in creating a pattern and garment. [K3]

CO4: utilize the techniques needed for the pre preparation of a garment making with a good fit by using appropriate measurements. [K3]

CO5: compare and contrast the body measurements of ladies and gentlemen and various pattern grading, pattern layout and pattern making and analyze the problems in a garment and alter it with a good fit. [K4]

#### UNIT I Body Measurements

Anatomy of human body—eight head theory. Body measurements—importance, preparing for measuring, ladies measurements, boys and men's measurements. Standardizing body measurements – importance, techniques used. Relative length and girth measures in ladies / gentlemen. Principles of pattern drafting. Drafting pattern-steps in drafting basic bodice front, back and sleeve. (12Hours)

#### UNIT II Pattern Making

Pattern making – methods of pattern making – (drafting and draping), merits and demerits. Types of paper patterns (patterns for personal measurements and commercial patterns). Flat pattern techniques- slash and spread, pivot and measurement method for shifting darts, dividing darts, combining darts and adding extra fullness to the patterns. Draping— preparation of body form, steps in draping. (12Hours)



### **UNIT III Garment Fitting**

Dart manipulation and garment fitting -styles created by shifting of blouse darts, adding fullness to the bodice, converting darts to a partial yoke design and incorporating darts into a seam forming the yokes. Fitting – standards of a good fit, steps in preparing a blouse for fitting, checking the fitness of a blouse, solving fitting problems in a blouse, fitting techniques. (12 Hours)

### **UNIT IV Pattern Alteration**

Pattern alteration – importance of altering patterns, general principles for pattern alteration, common pattern alteration in a blouse. Pattern grading – definition, types, manual – master grades, basic front, basic back, basic sleeve, basic collar and basic grading. (12Hours)

### **UNIT V Pattern Layout**

Pattern layout – definition, purpose, rules in layout, types of layout (methods), and layouts for lengthwise striped designs, fabric with bold designs, asymmetric designs, one way designs. Fabric cutting, transferring pattern markings, stay stitching and ease stitching, managing insufficient cloth. (12Hours)

### **TEXT BOOK**

Mathews, M. (1986). *Practical Clothing Construction, – Part I and II*. Chennai: Cosmic Press.

### **REFERENCE BOOKS**

1. Anita Tyagi, (2016). *Garment Construction*, New Delhi: Sonali Publications.
2. Cooklin, G. (1990). *Pattern Grading for Women's Clothes*, UK: The Technology of Sizing –Blackwell Science Ltd.
3. Hall, Gerald Washall stage 5 (1984). *Tailoring Techniques*, London: Fredrick Warne.
4. Seema Kapoor, (2016). *Apparel Manufacturing Technology*, New Delhi: Sonali Publications.
5. Shri Arvind K. Zarapkar, (2009). *Zarapkar System of Cutting*, India: Navneet Publications Ltd.
6. Helen Joseph-Amstrong, (2014). *Pattern making for Fashion Design*, 5<sup>th</sup> Edition. India: Dorling Kinderslery Pvt Ltd.

Course Code 20UCFC21N	PO1		PO2		PO3	PO4		PO5	PO6	PO7
	PSO 1.a	PSO 1.b	PSO 2.a	PSO 2.b	PSO 3	PSO 4.a	PSO 4.b	PSO 5	PSO 6	PSO 7
CO1	H	H	M	M	-	-	-	-	-	-
CO2	H	H	M	M	-	-	-	-	-	-
CO3	H	H	H	H	H	M	M	-	-	-
CO4	H	H	H	H	H	M	M	-	-	-
CO5	H	H	H	H	H	H	M	-	-	-

Mrs.J.Athirstam  
Head of the Department

Ms.L.Devimuthumari  
Course Designer



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**VIRUDHUNAGAR - 626 001**

**B.Sc.COSTUME DESIGN AND FASHION**

**(2020 -2021 onwards)**

Semester II	<b>SEWING TECHNOLOGY</b>	Hours/Week: 4	
Core Course-4		Credits: 4	
Course Code <b>20UCFC22</b>		Internal 25	External 75

### COURSE OUTCOMES

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

CO1: show the importance of tools and equipments needed for spreading, marking, pressing cutting and sewing. [K1]

CO2: classify the needles, threads, and the mechanism of stitching and sewing. [K2]

CO3: illustrate the types, methods and functions of sewing, cutting, marking and pressing equipments needed for an apparel industry. [K2]

CO4: identify the principles of various equipments and utilize its techniques in garment manufacturing industry. [K3]

CO5: analyze the care, maintenance and usage of technological equipments in an apparel industry. [K4]

### UNIT I Sewing Machineries

Classification of sewing machines, parts and functions of single needle machine, double needle machine, over lock machine, bar tacking machine, button hole making machine, button fixing machine, blind stitching machine, fabric examining machine. Special attachments, care and maintenance, common problems and remedies. (12Hours)

### UNIT II Stitching Mechanism

Needles, bobbin and bobbin case, bobbin winding, shuttle and shuttle hooks, loops and loop spreader, threading finger, upper and lower threading, auxiliary hooks, throat plates, take-ups, tension discs, upper and lower thread tension. Stitching, auxiliaries, pressure foot and its types. Feed mechanisms – drop feed, differential feed, needle feed, compound feed, unison feed and puller feed. (13Hours)

**UNIT III Cutting Technology**

Definition, functions and scope. Cutting equipments - straight knife cutting machine, rotary cutting machine, round knife, band knife cutting machine, die- cutters, laser cutting and water- jet cutting. Types of spread and its quality, spreading equipments and tools used for spreading and spreading methods. (13Hours)

**UNIT IV Marking Methods**

Positioning marking, types of markers, efficiency of a marker plan, requirements of marker planning. Pressing equipments – purpose and methods - iron, steam press steam air finisher, steam tunnel, special types- pleating and permanent press. (11Hours)

**UNIT V Sewing Mechanism**

Needle- parts and functions. Sewing federal standards for stitch and stitch classification. Federal standards for seam and seam classification. Fabric sewability. Sewing threads- embroidery thread, metallic thread and elastic thread. (11Hours)

**TEXTBOOK**

David, J. Tyler, (2008) *Carr and Latham's Technology of Clothing Manufacture*, 4<sup>th</sup> Edition. Australia: Blackwell Publications.

**REFERENCE BOOKS**

1. Chuter, A.J. (2011). *Introduction to Clothing Production Management*, 2<sup>nd</sup> Edition. New Delhi: Wiley India Edition.
2. Federal Standard, (1977). *Stitches Seams and Stitching*, U.S. General Sewing Administration.
3. Seema Kapoor, (2016). *Apparel Manufacturing Technology*, New Delhi: Sonali Publications.

Course Code 20UCFC22	PO1		PO2		PO3	PO4		PO5	PO6	PO7
	PSO 1.a	PSO 1.b	PSO 2.a	PSO 2.b	PSO 3	PSO 4.a	PSO 4.b	PSO 5	PSO 6	PSO 7
CO 1	H	M	H	M	-	-	-	-	-	-
CO 2	H	M	H	M	-	-	-	-	-	-
CO 3	H	H	H	L	-	-	-	-	-	-
CO 4	H	H	H	L	H	M	L	-	-	-
CO 5	H	H	H	L	H	H	L	-	-	-

Mrs.J.Athirstam  
Head of the Department

Ms.N.Praveena  
Course Designer



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### B.Sc. COSTUME DESIGN AND FASHION

(2022 -2023 onwards)

Semester II	<b>SEWING TECHNOLOGY</b>	Hours/Week: 4	
Core Course-4		Credits: 4	
Course Code <b>20UCFC22N</b>		Internal 25	External 75

### COURSE OUTCOMES

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

- CO1: show the importance of tools and equipments needed for spreading, marking, pressing cutting and sewing. [K1]
- CO2: classify the types of cutting, marking and pressing equipments, needles, threads, and the mechanism of stitching and sewing. [K2]
- CO3: explain the methods and functions of sewing, cutting, marking and pressing equipments needed for an apparel industry. [K2]
- CO4: identify the principles of various equipments and utilize its techniques in garment manufacturing industry. [K3]
- CO5: analyze the care, maintenance and usage of technological equipments in an apparel industry. [K4]

### UNIT I Sewing Machineries

Classification of sewing machines, parts and functions of single needle machine, double needle machine, over lock machine, bar tacking machine, button hole making machine, button fixing machine, blind stitching machine, fabric examining machine. (12Hours)

### UNIT II Stitching Mechanism

Needles- parts and functions, bobbin and bobbin case, bobbin winding, shuttle and shuttle hooks, loops and loop spreader, threading finger, upper and lower threading, auxiliary hooks, throat plates, take-ups, tension discs, upper and lower thread tension. Stitching, auxiliaries, pressure foot and its types. Feed mechanisms – drop feed, differential feed, needle feed, compound feed, unison feed and puller feed. (12Hours)

### **UNIT III Cutting Technology**

Definition, functions and scope. Cutting equipments - straight knife cutting machine, rotary cutting machine, round knife, band knife cutting machine, die- cutters, laser cutting and water- jet cutting. Types of spread and its quality, spreading equipments and tools used for spreading and spreading methods. (12 Hours)

### **UNIT IV Marking Methods**

Positioning marking, types of markers, efficiency of a marker plan, requirements of marker planning. Pressing equipments – purpose and methods - iron, steam press steam air finisher, steam tunnel, special types- pleating, permanent press and fusing. (11Hours)

### **UNIT V Garments and Sewing Technology**

Sewing mechanism- needle. Latest technology in garments sewing field- artificial intelligence and garments industry,3d design technology, automatic bobbin changing, laser welding sewing technology, sewing machines adjustment from mobile phones, USB port technology in the garment industry, latest sewing pedal-less technology, automation in sewing field, automation in fabric checking, automation in woven fabric production, automation in fabric cutting, automation in garments quality inspection and automation in material processing. Sewing threads- embroidery thread, metallic thread and elastic thread. (13Hours)

### **TEXTBOOK**

David, J. Tyler, (2008) *Carr and Latham's Technology of Clothing Manufacture*, 4<sup>th</sup> Edition. Australia: Blackwell Publications.

### **REFERENCE BOOKS**

1. Chuter, A.J. (2011). *Introduction to Clothing Production Management*, 2<sup>nd</sup> Edition. New Delhi: Wiley India Edition.
2. Federal Standard, (1977). *Stitches Seams and Stitching*, U.S. General Sewing Administration.
3. Seema Kapoor, (2016). *Apparel Manufacturing Technology*, New Delhi: Sonali Publications.

Course Code 20UCFC22N	PO1		PO2		PO3	PO4		PO5	PO6	PO7
	PSO 1.a	PSO 1.b	PSO 2.a	PSO 2.b	PSO 3	PSO 4.a	PSO 4.b	PSO 5	PSO 6	PSO 7
CO1	H	M	H	M	-	-	-	-	-	-
CO2	H	M	H	M	-	-	-	-	-	-
CO3	H	H	H	L	-	-	-	-	-	-
CO4	H	H	H	L	H	M	L	-	-	-
CO5	H	H	H	L	H	H	L	-	-	-

Mrs.J.Athirstam  
Head of the Department

Mrs.J.Athirstam  
Course Designer



## V.V.VANNIAPERUMAL COLLEGE FOR WOMEN

(Belonging to Virudhunagar Hindu Nadars)

An Autonomous Institution Affiliated to Madurai Kamaraj University, Madurai

Re-accredited with 'A' Grade (3<sup>rd</sup> Cycle) by NAAC

VIRUDHUNAGAR - 626 001

### B.Sc. COSTUME DESIGN AND FASHION

(2020 -2021 onwards)

Semester II	<b>FUNDAMENTALS OF APPAREL MAKING LAB</b>	Hours/Week: 2	
Core Practical-1		Credits: 2	
Course Code <b>20UCFC21P</b>		Internal 40	External 60

### COURSE OUTCOMES

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

CO1: identify the methods involved in stitching the fundamentals of apparel making. [K3]

CO2: sketch the diagram needed for the basics of apparel making. [K3]

CO3: apply the technical skills needed for making the fundamentals of apparel making. [K3]

CO4: construct the samples of stitches, seams, seam finishes, fullness, plackets, neck finishes, trimming and components and prepare record.[K3]

CO5: examine the basics of apparel making for a suitable fabric and person. [K4]

### Preparation of sample stitch for

1. Basic hand stitches - temporary stitches, permanent stitches
2. Seams - plain, single top, double top, french, flat fell, welt, lapped, piped and slot seam.
3. Seam finishes - herring bone, pinked, edge stitched and double stitched finish.
4. Fullness– darts, pleats, tucks, gathers, godets, frills and ruffles
5. Neck finishes – facing, shaped facing, piping and binding
6. Fastener – press button, shank button, hook and eye, shirt button with buttonhole.
7. Plackets – continuous / two pieces placket and miter placket
8. Pockets - patch pocket, patch pocket with flap, seam pocket, welt pocket and slash pocket.
9. Yokes - with fullness, without fullness, midriff yokes and partial yokes.
10. Neck line variations - halter neck line, off shoulder.
11. Skirt variations- umbrella skirt, flared skirt, paneled skirt.
12. Collar variations– peter pan, turtle neck, chinese, shawl, shirt collar.
13. Modified arm hole – cap sleeve, magyar sleeve.
14. Sleeve and bodice combined -raglan, kimono.

Industrial visit.



**REFERENCE BOOKS**

1. Hose good, B. (2006). *The Complete Book of Sewing*, London: Dorling Kindersley Limited.
2. Mathews, M. (1974). *Practical Clothing Construction-Part I & II*, Chennai: Cosmic Press.
3. Digest, R. (1997). *Complete Guide to Sewing*, 13<sup>th</sup> Edition. New York: The Readers Digest Association Inc.
4. Ville, P. Stolpe Luis, V. (1973). *Comparative clothing construction Techniques*, Delhi: Surjeeth Publications.

Course Code 20UCFC21P	PO1		PO2		PO3	PO4		PO5	PO6	PO7
	PSO 1.a	PSO 1.b	PSO 2.a	PSO 2.b	PSO 3	PSO 4.a	PSO 4.b	PSO 5	PSO 6	PSO 7
CO 1	H	H	H	M	H	H	H	-	-	-
CO 2	H	H	H	M	H	H	H	-	-	-
CO 3	H	H	H	H	H	H	H	M	-	-
CO 4	H	H	H	H	H	H	H	M	M	-
CO 5	H	H	H	H	H	H	H	M	-	-

Mrs.J.Athirstam  
Head of the Department

Mrs.J.Athirstam  
Course Designer



## V.V.VANNIAPERUMAL COLLEGE FOR WOMEN

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**VIRUDHUNAGAR - 626 001**

### B.Sc. COSTUME DESIGN AND FASHION

(2020 -2021 onwards)

Semester II	<b>ENTREPRENEURIAL SKILL DEVELOPMENT</b>	Hours/Week: 4	
<b>Allied Course-1</b>		Credits: 4	
Course Code <b>20UHSA21</b>		Internal 25	External 75

#### COURSE OUTCOMES

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

CO1:state the concept of entrepreneurship, entrepreneur management, supporting

institutions and organizational structure of a garment unit, departments in a garment unit, factory design and layout and performance of Indian garment export. [K1]

CO2: indicate the qualities of an entrepreneur, characteristics and scope of

management, production, planning and controlling process in garment industries, personnel involved in different departments and SWOT analysis. [K2]

CO3:classify the types of entrepreneur, building, factory layout process and commercial banks. [K2]

CO4:identify the role of factory layout, merchandiser, entrepreneur, manager, supporting institutions and departments in a garment unit, advantages and limitations of building and setting of a garment unit for export market. [K3]

CO5:analyse the functions of management, supporting institutions, personnel nature of the job, requirements of personnel related to health, safety and export procedures. [K4]

#### UNIT I

Entrepreneurship – meaning, definition and types, need for entrepreneurs, qualities and types of entrepreneurs, difference between entrepreneur and manager. Management – definition, management as a process – planning, organising, directing, controlling and co – ordination. (10 Hours)

#### UNIT II

Institutions supporting entrepreneurs – DIC, NSIC, SISI, SIPCOT, TIIC, KVIC,CODISSIA, Commercial banks – SBI organisational structure of a garment unit –hierarchical organization, production planning and control. (15 Hours)

### UNIT III

Different departments in a garment unit – design department, finance department, purchasing department, production department. Organizing different sections – hierarchy, personnel involved in all the departments, nature of the job. (10 Hours)

### UNIT IV

Factory design and layout – importance of factory design, factors affecting factory design, types of buildings (single and multi-store) – advantages and limitations. Factory layout – process, product and combined layout design requirements – requirements relating to health, safety and welfare. (15 Hours)

### UNIT V

Performance of Indian Garment Exports, SWOT analysis, setting up garment unit for export market, export documents, export finance – payment methods, export shipping. Role of merchandiser in a garment unit. (10 Hours)

### TEXTBOOK

1. Sundaram, S.S.M. and Muthupandi, M. (2004). *Entrepreneurship Development*, Madurai: Sri Ganapathy Publishers.

### REFERENCE BOOKS

1. Chuter, A.J. (1995). *Introduction to Clothing Production Management*, 2<sup>nd</sup> Edition, U.S.A: Wiley Blackwell Publications.
2. Gupta, C.B. and Srinivasan, N.P. (1997). *Entrepreneurship Development Principles of Management*, Delhi: Sultan Chand and Sons.
3. Chester, A.J. (1998). *Introduction to Clothing Production Management*, 2<sup>nd</sup> Edition, UK: Wrenbury Associates Ltd.
4. Carr, H. and Latham, B. (1994). *The Technology of Clothing Manufacture*, US: Blackwell Science.
5. Shelly, S.C. (2017). *Entrepreneurial Development*, Chennai: Dipti Press OPC Pvt. Ltd.
6. Suresh, J. (2018). *Entrepreneurial Development*, Chennai: Margham Publications.

Course Code 20UHSA21	PO1	PO2	PO3	PO4	PO5	PO6	PO7
	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1	H	H	-	-	M	-	-
CO2	H	H	-	-	M	-	-
CO3	H	H	-	-	M	-	-
CO4	H	H	H	H	M	-	L
CO5	H	H	M	H	M	-	L

Dr.D.Vijayarani  
Head of the Department

Dr.D.Vijayarani  
Course Designer



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**VIRUDHUNAGAR - 626 001**

### B.Sc. COSTUME DESIGN AND FASHION

(2020 -2021 onwards)

Semester II	<b>HOME TEXTILES LAB</b>	Hours/Week: 2	
<b>Allied Course Practical-1</b>		Credits: 2	
<b>Course Code 20UHSA21P</b>		Internal 40	External 60

### COURSE OUTCOMES

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

CO1: choose the appropriate raw materials and principles involved in developing home furnishing accessories. [K3]

CO2: make use of the basic drafting and stitching procedure for preparing household accessories. [K3]

CO3: construct the home furnishing accessories with novel ideas. [K3]

CO4: identify the type of stain and techniques involved to remove it and prepare the record. [K3]

CO5: analyse the factors influencing the preparation of home accessories. [K4]

### PRACTICAL:

#### ❖ Preparation of art items

1. Cushion Making
2. Pillow Cover
3. Curtains
4. Rugs
5. Letter Holder
6. Mixi Cover
7. Grinder Cover
8. Fridge Cover
9. Table Mat

Industrial Visit

**PRACTICAL:**❖ **Preparation of art item**

1. Cafe Curtain
2. Bread Basket
3. Pot Holder
4. Oven Mitten
5. Chair Pads
6. Table Runners
7. Bolster
8. Stain Removal
9. Dry Cleaning – demonstration
10. Marketing of the prepared items

Course Code 20UHSA21P	PO1	PO2	PO3	PO4	PO5	PO6	PO7
	PSO 1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1	H	M	L	M	M	-	-
CO2	H	M	M	M	M	-	-
CO3	H	M	H	M	M	-	-
CO4	H	M	H	H	M	M	-
CO5	H	M	M	H	M	-	-

Dr.D.Vijayarani  
Head of the Department

Dr.D.Vijayarani  
CourseDesigner



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**VIRUDHUNAGAR - 626 001**

**B.Sc. COSTUME DESIGN AND FASHION**  
**(2020 -2021onwards)**

Semester II	<b>MS Office Lab</b>	Hours /Week: 2 (1T/1P)	
Skill Enhancement Course Practical-1		Credits: 2	
Course Code <b>20UCFS21P</b>		Internal 40	External 60

### COURSE OUTCOME

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

- CO1: write the formula and procedure for MS Office applications. [K3]
- CO2: make use of the MS Office applications to create documents, spread sheets and power points. [K3]
- CO3: execute the documents created by using MS Word, MS Excel and MS Power point. [K3]
- CO4: prepare the record with the output generated by using MS office applications [K3]
- CO5: examine the formatting options and shortcut keys in MS Office. [K4]

### PRACTICALS

#### Word Exercises

1. Preparing a bio-data.
2. Preparing a business letter.
3. Inserting pictures and clipart in a word document.
4. Implementing mail merge option.

#### Excel Exercises

5. Student mark list.
6. Creating a sales chart.
7. Profit or loss statement.

8. Salary details.
9. Mean & median calculation.
10. Bill calculation.

#### Using Multiple Worksheet

11. Stationary details and sales analysis.

#### Using Chart

12. Showing apparel market growth analysis and showing the state of fashion analysis.

#### Power Point Presentation Using PPT

13. Create Principles of design.
14. Create an advertisement to popularize a new garment.

### REFERENCE BOOKS

1. Nellaikannan, C. (2002). *MS-Office*, Tirunelveli: Nels Publications.
2. Sarma, K.V.S.(2003). *Statistics Made Simple Do it yourself on PC*, New Delhi: Prentice Hall of India.
3. Ravethi, M. (2008). *Hand Book on MS Office*, 1<sup>st</sup> Edition. Virudhunagar: V.V.V. College.

Course Code 20UCFS21P	PO1		PO2		PO3	PO4		PO5	PO6	PO7
	PSO 1.a	PSO 1.b	PSO 2.a	PSO 2.b	PSO 3	PSO 4.a	PSO 4.b	PSO 5	PSO 6	PSO 7
CO 1	H	M	H	H	M	M	H	-	-	-
CO 2	H	M	H	H	M	M	H	-	-	-
CO 3	H	M	H	H	H	H	H	H	-	-
CO 4	H	M	H	H	H	H	H	H	M	-
CO 5	H	M	H	H	H	H	H	H	-	-

Mrs.J.Athirstam  
Head of the Department

Mrs.J.Athirstam  
Course Designer





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VIRUDHUNAGAR - 626 001

### B.Sc. COSTUME DESIGN AND FASHION

(2022 -2023onwards)

Semester II	<b>MS Office Lab</b>	Hours /Week: 2 (1T/1P)	
Skill Enhancement Course Practical-1		Credits: 2	
Course Code <b>20UCFS21PN</b>		Internal 40	External 60

### COURSE OUTCOME

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

CO1: write the formula and procedure for MS Office applications. [K3]

CO2: make use of the MS Office applications to create documents, spreadsheets and power points. [K3]

CO3: execute the documents created by using MS Word, MS Excel and MS Power Point. [K3]

CO4: prepare the record with the output generated by using MS office applications [K3]

CO5: examine the formatting options and shortcut keys in MS Office. [K4]

### PRACTICALS

#### Word Exercises

1. Preparing a bio-data.
2. Preparing an invitation.
3. Draft a report for field visit.
4. Inserting pictures and clipart in a word document.
5. Implementing mail merge option.

#### Excel Exercises

6. Student mark list.
7. Creating a sales chart.
8. Profit or loss statement
9. Salary details.
10. Mean & median calculation.
11. Bill calculation.

#### Using Multiple Worksheet

12. Stationary details and sales analysis.

**Using Chart**

- Showing apparel market growth analysis and showing the state of fashion analysis.

**Power Point Presentation Using PPT**

- Create Principles of design.
- Create an advertisement to popularize a new garment.

**REFERENCE BOOKS**

- Nellaikannan, C. (2002).*MS-Office*, Tirunelveli: Nels Publications.
- Sarma, K.V.S.(2003).*Statistics Made Simple Doit yourself on PC*, New Delhi: Prentice Hall of India.
- Ravethi, M. (2008).*Hand Book on MS Office*, 1<sup>st</sup>Edition. Virudhunagar: V.V.V. College.

Course Code 20UCFS21PN	PO1		PO2		PO3	PO4		PO5	PO6	PO7
	PSO 1.a	PSO 1.b	PSO 2.a	PSO 2.b	PSO 3	PSO 4.a	PSO 4.b	PSO 5	PSO 6	PSO 7
CO1	H	M	H	H	M	M	H	-	-	-
CO2	H	M	H	H	M	M	H	-	-	-
CO3	H	M	H	H	H	H	H	H	-	-
CO4	H	M	H	H	H	H	H	H	M	-
CO5	H	M	H	H	H	H	H	H	-	-

Mrs.J.Athirstam  
Head of the Department

Mrs.K.Selvapriya  
Course Designer



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VIRUDHUNAGAR - 626 001

### B.Sc. COSTUME DESIGN AND FASHION

(2020 -2021 onwards)

Semester III	<b>PATTERN DRAFTING AND CONSTRUCTION FOR KID'S WEAR</b>	Hours/Week: 5	
Core Course-5		Credits: 5	
Course Code <b>20UCFC31</b>		Internal 25	External 75

#### COURSE OUTCOMES

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

CO1: describe the technical terms and components related to pattern drafting and construction for kid's wear and visualize the various types of kid's garments for different age groups through illustration. [K1]

CO2: trace the drafting procedure and the methods of preparing layout by using one fourth scale for various kid's garments of different age groups. [K2]

CO3: estimate the required material, cost calculation and identify the construction techniques involved in making various kid's wear of different age groups. [K3]

CO4: develop new patterns by using one fourth scale for various kid's wear of different age groups. [K4]

CO5: select the suitable material and develop new styles for various kid's wear of different age groups. [K5]

#### UNIT I (0-1 YEAR)

Illustrating, drafting, pattern making, lay out preparation, stitching procedure and material calculation for - bib with various out line shape, panty with elastic and rope model, sun suit with knickers, various model of bonnet, mittens and napkins. (15Hours)

#### UNIT II (1 – 3 YEARS)

Illustrating, drafting, pattern making, lay out preparation, stitching procedure and material calculation for- zabra – without sleeve-full open and boat neck with magyar sleeve, romper, baba suit - with plain sleeve - convertible collar and front open – knicker – plain and fit model.

(15Hours)

**UNIT III (4 – 6 YEARS)**

Illustrating, drafting, pattern making, lay out preparation, stitching procedure and material calculation for – A-line petticoat, strap petticoat and gathering petticoat, poncho and three fourth trousers with tie-ups. (15Hours)

**UNIT IV (6 – 10 YEARS)**

Illustrating, drafting, pattern making, lay out preparation, stitching procedure and material calculation for – baby frock – yoke, puff sleeve and peter pan collar, umbrella frock with bell sleeve, frilled frock – cape sleeve, low waist frock with sleeve less over coat and three fourth sleeve , princess frock with circular sleeve. (15Hours)

**UNIT V (10 -12YEARS)**

Illustrating, drafting, pattern making, lay out preparation, stitching procedure and material calculation for - boy's - pyjama and kurta, plain shirt with collar, shorts with belt and side pocket. Girls- pinafore – plain blouse with petal sleeve. (15Hours)

**TEXTBOOK**

Hutchinson, (1980). *Sew Simple*, London: Melbourne Sydney Auckland Johannesburg.

**REFERENCE BOOKS**

1. Digest, R. (1976). *Complete Guide to Sewing*, New York: The Reader's Digest Association, The Pleasant Ville.
2. Giles, P. Rosalie, (1978). *Needle Work*, London: Methuen Educational.
3. Mathews, M. (1985). *Practical Clothing Construction*, Chennai: (Part I) Basic Sewing Processes.
4. Zarakar, S.K. (2009). *Zarakar System of Cutting*, India: Navneet Publications (Ltd).

Course Code 20UCFC31	PO1		PO2		PO3	PO4		PO5	PO6	PO7
	PSO 1.a	PSO 1.b	PSO 2.a	PSO 2.b	PSO3	PSO 4.a	PSO 4.b	PSO5	PSO6	PSO7
CO 1	H	H	M	M	-	-	-	-	-	-
CO 2	H	H	M	M	-	-	-	-	-	-
CO 3	H	H	H	H	H	H	H	-	-	-
CO 4	H	H	H	H	H	H	H	-	-	-
CO 5	H	H	H	H	H	H	H	H	-	-

Mrs.J.Athirstam  
Head of the Department

Ms.L.Devimuthumari  
Course Designer



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VIRUDHUNAGAR - 626 001

### B.Sc. COSTUME DESIGN AND FASHION

(2020 -2021 onwards)

Semester III	<b>FASHION DESIGNING</b>	Hours/Week: 4	
Allied Course – II		Credits: 4	
Course Code <b>20UCFA31</b>		Internal 25	External 75

#### COURSE OUTCOMES

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

CO1: describe the concepts of fashion, colour aspects, elements and principles of textile design of various garments suitable for irregular figures. [K1]

CO2: classify the types of fashion, colours, motives, design elements, principles of design and illustrate dresses for various figures irregularities. [K2]

CO3: trace the importance of fashion, colours, motives, design elements, principles of design and select dresses for various figure irregularities. [K2]

CO4: find out the changes that occur in fashion and develop motives using basic elements and principles to design fashionable dresses for various figures with suitable trends and colours. [K3]

CO5: analyze the usage of fashion at various fields and factors to be considered while designing dresses based on elements, principles and colours in a textile design for various figures. [K4]

#### UNIT I Fashion

Fashion – definition, classification, fad, style, classic, fashion trend, fashion forecasting. Fashion evolution. Fashion cycle - style, increase in popularity, peak of popularity, decline in popularity and rejection of a style. Fashion marketing – structure, mannequin and boutique.

(11Hours)

#### UNIT II Elements and Principles of Design on Apparel

Design, Classification - structural design and decorative design. Elements of design - line, shape, form, texture, directions and space. Principles of design – balance – formal balance, informal balance and radial balance. Proportion – division of space, creating optical illusion, scale, golden oblong. Emphasis – grouping of objects, contrast colour, decorative, plain background, unusual line, shape and size. Rhythm – repetition of shape, progression of size, continuous line movement, alternation and radiation. Harmony – line and shape, size, texture, idea and colour.

(13Hours)

### **UNIT III Colour Aspects**

Prang colour chart – primary, secondary, intermediate and tertiary colours. Colour dimensions - hue, value, intensity. Warm and cool colours. Psychology of colours on dress. Illusions created by colours. Applications of colours for different seasons. Colour schemes– related colour harmony – achromatic harmony, monochromatic harmony and analogous harmony. Contrasting harmony - complementary harmony, double complementary harmony, split complementary harmony and triad. (12Hours)

### **UNIT IV Introduction to Textile Design**

Design developments – motifs, repeats. Types of textile design – natural, geometric, conventional, abstract and historical. Study of repeat structures – spot repeat types – brick, drop, directional and non-directional. Study of turning patterns and its types – flipping horizontal, flipping vertical, turnings spot (rotation dangles), diamond and ogee based designs. (11Hours)

### **UNIT V Figure Analysis**

Figure types and figure irregularities-stout figure, slim figure, low waist, slender figure, narrow shoulders, broad shoulders, round shoulders, large busts, flat chest, large hips, large abdomen, small face, large face, square face, round face, narrow pointed face, prominent chin and jaw, prominent forehead, low forehead, large waist and hip, short waist, low waist, long neck, high hip, sway back, short neck, retrousse nose and prominent nose. (13Hours)

### **TEXTBOOK**

Sumathi, G.J., (2008). *Elements of Design*, New Delhi: New Age International Publishers Pvt Limited.

### **REFERENCE BOOKS**

1. John, M. (1990). *Fashion Design and Illustration*, London: Melbourne.
2. Khurana, P. Seth, M., (2007). *Introduction to Fashion Technology*, New Delhi: Fire Well Publication.
3. Narang, M. (2007). *Hand Book of Fashion Technology*, New Delhi: Asia Pacific Business Press Inc.
4. Pundi, N. (2007). *Fashion Technology Today and Tomorrow*, New Delhi: Mittal Publication.
5. Neelima, (2015). *Fashion and Textile Design*, New Delhi: Sonali Publications.

Course Code	PO1		PO2		PO3	PO4		PO5	PO 6	PO7
	PSO	PSO	PSO	PSO	PSO	PSO	PSO	PSO	PSO	PSO
	1.a	1.b	2.a	2.b	3	4.a	4.b	5	6	7
CO 1	H	H	H	H	-	-	-	-	-	-
CO 2	H	H	H	H	-	-	-	-	-	-
CO 3	H	H	H	H	-	-	-	-	-	-
CO 4	H	H	H	H	H	M	M	-	-	-
CO 5	H	H	H	H	H	H	M	M	-	-

Mrs.J.Athirstam  
Head of the Department

Ms.L.Devimuthumari  
Course Designer



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VIRUDHUNAGAR - 626 001

### B.Sc. COSTUME DESIGN AND FASHION

(2023 -2024 onwards)

Semester III	<b>FASHION DESIGNING</b>	Hours/Week: 4	
Allied Course – II		Credits: 4	
Course Code <b>20UCFA31N</b>		Internal 25	External 75

### COURSE OUTCOMES

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

- CO1: describe the concepts of fashion, colour aspects, elements and principles of textile design of various garments suitable for irregular figures. [K1]
- CO2: classify the types of fashion, colours, motives, design elements, principles of design and illustrate dresses for various figures irregularities. [K2]
- CO3: trace the importance of fashion, colours, motives, design elements, principles of design and select dresses for various figure irregularities. [K2]
- CO4: find out the changes that occur in fashion and develop motives using basic elements and principles to design fashionable dresses for various figures with suitable trends and colours. [K3]
- CO5: analyze the usage of fashion at various fields and factors to be considered while designing dresses based on elements, principles and colours in a textile design for various figures.[K4]

### UNIT I Fashion

Fashion – definition, classification - fad, style, classic, fashion trend and fashion forecasting. Fashion evolution. Fashion cycle - style, increase in popularity, peak of popularity, decline in popularity and rejection of a style. Fashion producers – couturier, haute couture, prêt-a-porter and Knock off. Fashion marketing – structure, mannequin and boutique. (12 Hours)

### UNIT II Elements and Principles of Design on Apparel

Design, Classification - structural design and decorative design. Elements of design - line, shape, form, texture, directions and space. Principles of design – balance – formal balance, informal balance and radial balance. Proportion – division of space, creating optical illusion, scale, golden oblong. Emphasis – grouping of objects, contrast



colour, decorative, plain background, unusual line, shape and size. Rhythm – repetition of shape, progression of size, continuous line movement, alternation and radiation. Harmony – line and shape, size, texture, idea and colour. (12Hours)

### **UNIT III Colour Aspects**

Prang colour chart – primary, secondary, intermediate and tertiary colours. Colour dimensions - hue, value, intensity. Warm and cool colours. Psychology of colours on dress. Illusions created by colours. Applications of colours for different seasons. Colour schemes–related colour harmony – achromatic harmony, monochromatic harmony and analogous harmony. Contrasting harmony - complementary harmony, double complementary harmony, split complementary harmony and triad. (12Hours)

### **UNIT IV Introduction to Textile Design**

Design developments – motifs, repeats. Types of textile design – natural, geometric, conventional, abstract and historical. Study of repeat structures – spot repeat types – brick, drop, directional and non-directional. Study of turning patterns and its types – flipping horizontal, flipping vertical, turnings spot (rotation and angles), diamond and ogee based designs. (12Hours)

### **UNIT V Figure Analysis**

Figure types and figure irregularities-stout figure, slim figure, low waist, slender figure, narrow shoulders, broad shoulders, round shoulders, large busts, flat chest, large hips, large abdomen, small face, large face, square face, round face, narrow pointed face, prominent chin and jaw, prominent forehead, low forehead, large waist and hip, short waist, low waist, long neck, high hip, sway back, short neck, retrousse nose and prominent nose. (12 Hours)

### **TEXTBOOK**

Sumathi, G.J., (2008). *Elements of Design*, New Delhi: New Age International Publishers Pvt Limited.

### **REFERENCE BOOKS**

1. John, M. (1990). *Fashion Design and Illustration*, London: Melbourne.
2. Khurana,P.Seth,M.,(2007).*Introduction to Fashion Technology*, New Delhi: Fire Well Publication.
3. Narang, M. (2007). *Hand Book of Fashion Technology*, New Delhi: Asia Pacific Business Press Inc.
4. Pundi, N. (2007). *Fashion Technology Today and Tomorrow*, New Delhi: Mittal Publication.
5. Neelima, (2015). *Fashion and Textile Design*, New Delhi: Sonali Publications.

Course Code 20UCFA31N	PO1		PO2		PO3	PO4		PO5	PO 6	PO7
	PSO 1.a	PSO 1.b	PSO 2.a	PSO 2.b	PSO3	PSO 4.a	PSO 4.b	PSO5	PSO6	PSO7
CO1	H	H	H	H	-	-	-	-	-	-
CO2	H	H	H	H	-	-	-	-	-	-
CO3	H	H	H	H	-	-	-	-	-	-
CO4	H	H	H	H	H	M	M	-	-	-
CO5	H	H	H	H	H	H	M	M	-	-

Mrs.J.Athirstam  
Head of the Department

Ms.L.Devimuthumari  
Course Designer



## V.V.VANNIAPERUMAL COLLEGE FOR WOMEN

(Belonging to Virudhunagar Hindu Nadars)

An Autonomous Institution Affiliated to Madurai Kamaraj University, Madurai

Re-accredited with 'A' Grade (3<sup>rd</sup> Cycle) by NAAC

**VIRUDHUNAGAR - 626 001**

**B.Sc. Costume Design and Fashion**

**(2020-2021 onwards)**

Semester III	<b>FASHION MERCHANDISING</b>	Hours/Week: 2	
Skill Enhancement Course – 2		Credits: 2	
Course Code <b>20UCFS31</b>		Internal 40	External 60

### COURSE OUTCOMES

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

CO1: identify the scope, concepts and elements of merchandise, management and export in an apparel industry. [K1]

CO2: classify the types of fabric, supplier, merchandiser and retailer in an apparel marketing field. [K2]

CO3: outline the importance, process and functions of merchandise, management and exports of a garment industry and also understand the business etiquettes. [K2]

CO4: identify the role of a merchandiser and utilize the procedures to be followed in merchandise, management and exports in apparel industries. [K3]

CO5: analyze the duties and responsibilities of merchandising, focus the factors to be followed in developing products, checking the quality requirements, quality problems, and exporting apparels in fashion fields. [K4]

### UNIT I Merchandising

Definition, scope, types, concepts, advantages and disadvantages of merchandising. Terminologies of merchandise management and its process. Functions of a merchandiser. Importance of merchandising in an apparel industry and future merchandising. (6Hours)

### UNIT II Types of Merchandising

Fashion, production and retail merchandising – merchandising process. Buying operations – fashion buyer duties and responsibilities. Fashion merchandise purchases. Elements of fashion buying. (6 Hours)

### **UNIT III Fashion Merchandising**

Fashion merchandiser – definition and need. Product development – concepts, process and elements. Pricing and costing strategies. Product management – model stock plan, constraining factors, types of suppliers, retail and export segments. (6Hours)

### **UNIT IV Merchandising Process**

Sourcing—meaning and properties. Fabric-types, selection, factors influencing, planning, vendor management, supply and demand chain analysis. (5Hours)

### **UNIT V Export Process**

Quality requirements and quality problems – guidelines for judging quality of fabrics, selection of readymade garments, documentation – FOB, CIF – shipping mark, delivery date extension. Transport delays- natural calamities. Importance of Letter of Credit (LC) amendments, license, packing and commercial invoice. (7Hours)

### **TEXTBOOK**

Goworek, H. (2006). *Careers in Fashion and Textiles*, New Delhi: Blackwell Publishing.

### **REFERENCE BOOKS**

1. Anurag, S. Bhalla, S. (2010). *Visual Merchandising*, New Delhi: Tata McGraw Hill Education Private Limited.
2. Davis Burns Bryant, L. (2002). *The Business of Fashion*, New York: Fair Child Publications.
3. Frings, G. S., (2008). *Fashion from Concept to Consumer*, 7<sup>th</sup> Edition. India: Dorling Kindersley Publishing Inc.
4. Haroldcars and Pomeroy, J. (1992). *Fashion Design and Product Development*, Cambridge: Black Well Science.
5. Mike Easey, (2009). *Fashion Marketing*, 3<sup>rd</sup> Edition. United Kingdom: Wiley-Blackwell Publication.

Course Code 20UCFS31	PO1		PO2		PO3	PO4		PO5	PO6	PO7
	PSO 1.a	PSO 1.b	PSO 2.a	PSO 2.b	PSO3	PSO 4.a	PSO 4.b	PSO5	PSO6	PSO7
CO 1	H	H	M	M	-	-	-	-	-	-
CO 2	H	H	M	M	-	-	-	-	-	-
CO 3	H	H	H	H	-	-	-	-	-	-
CO 4	H	H	H	H	H	H	L	-	-	-
CO 5	H	H	H	H	M	H	L	H	-	-

Mrs.J.Athirstam  
Head of the Department

Mrs.J.Athirstam  
Course Designer



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VIRUDHUNAGAR - 626 001

### B.Sc. Costume Design and Fashion (2020-21 onwards)

Semester III	<b>BASICS OF FASHION</b>	Hours/Week: 2	
NMEC-1		Credits: 2	
Course Code <b>20UCFN31</b>		Internal 40	External 60

### COURSE OUTCOMES

On completion of the course, students will be able to

- CO1: describe the concepts of fashion, colours, motives, figure irregularities, elements and principles of design. [K1]
- CO2: classify the types of fashion, motives, colours, design elements, principles of design and illustrate suitable dresses for various figure irregularities. [K2]
- CO3: trace the importance of fashion, colours, motives, design elements, principles of design and select suitable dresses for various figure irregularities. [K2]
- CO4: find out the changes that occur in fashion, colours and develop motives using textile design. [K3]
- CO5: make use of the applications of colours, design elements, principles of design and to develop suitable dresses for various figure irregularities. [K3]

### UNIT I Elements of Design on Apparel

Design, Classification - structural design and decorative design. Elements of design - line, shape, form, size, texture, directions and space. (5 Hours)

### UNIT II Principles of Design on Apparel

Principles of design – balance – formal balance, informal balance and radial balance. Proportion – division of space, creating optical illusion, scale, golden oblong. Emphasis – grouping of objects, contrast colour, decorative, plain background, unusual line, shape and size. Rhythm – repetition of shape, progression of size, continuous line movement, alternation and radiation. Harmony – line and shape, size, texture, idea, and colour. (7 Hours)

### UNIT III Textile Design

Design developments – motifs, repeats. Types of textile design – natural, geometric, conventional, abstract and historical. Study of repeat structures and its types – spot repeat, brick drop, directional and non directional. Study of turning patterns and its

types – flipping horizontal, flipping vertical, turnings spot (rotation dangles), study of diamond and ogee based designs. (5 Hours)

#### **UNIT IV Fashion**

Fashion – definition, classification - fad, style, classic, fashion trend, fashion forecasting. Fashion evolution – fashion cycle, style, increase in popularity, peak of popularity, decline in popularity and rejection of a style. Fashion marketing - structure, mannequin and boutique. (7 Hours)

#### **UNIT V Figure Analysis**

Figure types and figure irregularities - heavy figure, slim figure, slender figure, narrow shoulders, broad shoulders, round shoulders, large busts, large hips, large abdomen, large face, square face, round face and narrow pointed face. (6 Hours)

#### **TEXT BOOK**

Sumathi, G. J., (2008). *Elements of Design*. New Delhi: New Age International (p) Limited Publishers.

#### **REFERENCE BOOKS**

1. Erwin, M. D., Lila, A. & Kinchen, (Eds.). (1974). *Clothing for Moderns* London: Collier Mac Millan Publishers.
2. John, M. (1990). *Fashion Design and Illustration*. London: Melbourne.
3. Khurana, P. and Sethi, M. (2007). *Introduction to Fashion Technology*. New Delhi: Fire Well Publication.
4. Narang, M. (2007). *Hand Book of Fashion Technology*. New Delhi: Asia Pacific Business Press Inc.
5. Pundir, N. (2007). *Fashion Technology Today and Tomorrow*. New Delhi: Mittal Publication.



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**VIRUDHUNAGAR - 626 001**

**B.Sc. Costume Design and Fashion**  
**(2020 -2021 onwards)**

Semester IV	<b>FABRIC STRUCTURE AND DESIGN</b>	Hours/Week: 5	
Core Course – 6		Credits: 5	
Course Code <b>20UCFC41</b>		Internal 25	External 75

### **COURSE OUTCOMES**

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

- CO1: identify the objectives, parts and functions of loom and explain the concepts of weaving, knitting and nonwovens. [K1]
- CO2: illustrate the types of looms, weaves and discover the methods of woven, nonwovens and knitted fabric formation. [K2]
- CO3: find out the techniques involved in the processing of loom, weaving, knitting and nonwovens and also apply its principles to prepare peg plans for various weaves. [K3]
- CO4: focus on the characteristics and applications of woven, non-woven and knitted fabrics. [K4]
- CO5: evaluate the woven, non-woven and knitted fabric formations and develop peg plans for various weaves. [K5]

#### **UNIT I Fabric Formation**

Fabric formation – meaning, methods - woven, knitted and nonwoven fabrics. Types, properties and end uses – woven, knitted and nonwoven.

#### **Woven Fabric Formation**

Weaving preparatory process - objectives and processing steps – winding, warping, sizing, drawing-in and tying-in. (15 Hours)

#### **UNIT II Looms**

Definition, types, parts and functions of loom. Motions of loom – primary, secondary and auxiliary motion. Meaning and features of hand and power looms. Principle of projectile loom, rapier loom, air jet, water jet loom and circular loom. Comparison of hand loom and power loom. (15 Hours)



### **UNIT III Basic Weaves**

Basic weaves – meaning, classification and characteristics. Construction and salient features—plain weave and its variations (rib and basket), twill weave variations (RHT, LHT, pointed and herringbone) satin weave and sateen weave. (15 Hours)

### **UNIT IV Fancy Weaves**

Fancy weave - meaning and types - crepe fabrics, georgette, chiffons, honey comb, huckaback, pique, tapestry, extra threads, pile, warp and weft pile, velvet, velveteen, corduroy, terry-pile structures, brocade, damask, double cloth, jacquard weave, dobby weave, leno, swivel and lappet. (15 Hours)

### **UNIT V Knitting and Non-woven**

Knitting – meaning, classification, principles, types – plain, warp, weft. Elements and structure. Passage of material on knitting. Nonwovens – meaning, fibres used and web formation. Dry-laid nonwovens - bonding and stabilization of web. Wet - laid nonwovens – melt blow technology. Spun bond technology – laminating, felting. Other non wovens - needle punching, braiding, tating, crocheting, calico and netting. Applications of non-woven materials. (15 Hours)

### **TEXT BOOK**

Seema Sekhri, (2017). *Text Book of Fabric Science Fundamentals to Finishing*, 2<sup>nd</sup> Edition. New Delhi: PHI Learning Private Limited.

### **REFERENCE BOOKS**

1. Corbman B.P. Graw Hill, M.C. (1985). *Textiles – Fibre to Fabric*. International Student's Edition. Singapore: Book Company.
2. Deepali Rastogi, Sheetal Chopra, (2017). *Textile Science*, Hyderabad: Orient Black swan Private Limited.
3. Gokarneshan, N.(2016). *Fabric Structure and Design*, 2<sup>nd</sup> Edition. Chandigarh: New Age International (P) Ltd.
4. Gokarneshan, N.(2009). *Weaving Preparation Technology*, Chandigarh: Abishek Publication.
5. Murphy, W.S. (2001). *Handbook of Weaving*, Chandigarh: Abhishek Publications.

Course Code 20UCFC41	PO1		PO2		PO3	PO4		PO5	PO6	PO7
	PSO 1.a	PSO 1.b	PSO 2.a	PSO 2.b	PSO 3	PSO 4.a	PSO 4.b	PSO 5	PSO 6	PSO 7
CO 1	H	H	M	M	-	-	-	-	-	-
CO 2	H	H	M	M	-	-	-	-	-	-
CO 3	H	H	H	H	H	L	L	-	-	-
CO 4	H	H	H	H	M	L	M	-	-	-
CO 5	H	H	H	H	M	L	H	H	-	-

Mrs.J.Athirstam  
Head of the Department

Ms.S.Dhivya  
Course Designer



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**VIRUDHUNAGAR - 626 001**

**B.Sc. Costume Design and Fashion**  
**(2022 -2023 onwards)**

Semester IV	<b>FABRIC STRUCTURE AND DESIGN</b>	Hours/Week: 5	
Core Course – 6		Credits: 5	
Course Code <b>20UCFC41N</b>		Internal 25	External 75

### **COURSE OUTCOMES**

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

- CO1: identify the objectives, parts and functions of loom and explain the concepts and importance of eco mark, weaving, knitting and nonwovens. [K1]
- CO2: illustrate the types of looms, weaves, eco mark and discover the methods of woven, nonwovens and knitted fabric formation. [K2]
- CO3: find out the techniques involved in the processing of loom, weaving, knitting and nonwovens and also apply its principles to prepare peg plans for various weaves. [K3]
- CO4: focus on the characteristics and applications of woven, non- woven and knitted fabrics. [K4]
- CO5: evaluate the woven, non-woven and knitted fabric formations and develop peg plans for various weaves. [K5]

### **UNIT I Loom Mechanisms**

Loom - Introduction, classification, parts and functions. Basic Loom Mechanisms- – primary, secondary and auxiliary motion. Principles of projectile loom, rapier loom, air jet, water jet loom and circular loom. Comparison of hand loom and power loom. (15Hours)

### **UNIT II Weaving**

Weaving preparatory process - objectives and processing steps – winding, warping, sizing, drawing-in and tying-in, let off, shedding, picking, beating up and take up. General passage of material through a loom. (15 Hours)

### **UNIT III Basic Weaves**

Basic weaves – meaning, classification and characteristics. Construction and salient features–plain weave and its variations (rib and basket), twill weave variations (RHT,LHT, pointed and herringbone) satin weave and sateen weave. (15Hours)

#### **UNITIV Fancy Weaves**

Fancy weave - meaning and types - crepe fabrics, georgette, chiffons, honey comb, huckaback, pique, tapestry, extra threads, pile, warp and weft pile, velvet, velveteen, corduroy, terry pile structures, brocade, damask, double cloth, jacquard weave, dobby weave, leno, swivel and lappet. (15Hours)

#### **UNIT V Knitting and Non-woven**

Knitting – meaning, classification, principles, types – plain, warp, weft. Elements and structure. Passage of material on knitting. Nonwovens – meaning, fibres used and web formation. Dry-laid nonwovens - bonding and stabilization of web. Wet - laid nonwovens – melt blow technology. Spun bond technology – laminating, felting. Other non wovens - needle punching, braiding, tating, crocheting, calico and netting. Applications of nonwoven materials. Eco-mark- Definition, Types of eco mark for fabrics - Silk mark, Handloom mark. (15Hours)

#### **TEXT BOOK**

1. Gokarneshan,N.(2016).*Fabric Structure and Design*, 2<sup>nd</sup>Edition.Chandigarh:NewAge International (P)Ltd.

#### **REFERENCE BOOKS**

1. Corbman B.P. Graw Hill, M.C. (1985). *Textiles – Fibre to Fabric*. International Student’s Edition. Singapore: Book Company.
2. Deepali Rastogi, Sheetal Chopra, (2017). *Textile Science*, Hyderabad: Orient Black swan Private Limited.
3. Gokarneshan,N.(2016).*Fabric Structure and Design*, 2<sup>nd</sup>Edition.Chandigarh:NewAge International (P)Ltd.
4. Gokarneshan,N.(2009).*WeavingPreparationTechnology*,Chandigarh:Abhishek Publication.
5. Murphy, W.S. (2001). *Handbook of Weaving*, Chandigarh: Abhishek Publications.
6. Seema Sekhri, (2017). *Text Book of Fabric Science Fundamentals to Finishing*, 2<sup>nd</sup> Edition. New Delhi: PHI Learning Private Limited.

Course Code 20UCFC41N	PO1		PO2		PO3	PO4		PO5	PO6	PO7
	PSO 1.a	PSO 1.b	PSO 2.a	PSO 2.b	PSO 3	PSO 4.a	PSO 4.b	PSO 5	PSO 6	PSO 7
CO1	H	H	M	M	-	-	-	-	-	-
CO2	H	H	M	M	-	-	-	-	-	-
CO3	H	H	H	H	H	L	L	-	-	-
CO4	H	H	H	H	M	L	M	-	-	-
CO5	H	H	H	H	M	L	H	H	-	-

Mrs.J.Athirstam  
Head of the Department

Ms.S.Betsy Sherin  
Course Designer



## V.V.VANNIAPERUMAL COLLEGE FOR WOMEN

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VIRUDHUNAGAR - 626 001

### B.Sc. Costume Design and Fashion

(2020 -2021 onwards)

Semester IV	<b>KID'S WEAR LAB</b>	Hours/Week: 2	
Core Practical – 2		Credits: 2	
Course Code		Internal	External
<b>20UCFC41P</b>		40	60

### COURSE OUTCOMES

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

CO1: apply the principles of pattern making to draft patterns for various kid's wear. [K3]

CO2: write the stitching procedure for the designed kid's wear. [K3]

CO3: apply the technical skills to construct kid's wear with various features. [K3]

CO4: calculate cost for the designed kid's garment and prepare the record. [K3]

CO5: analyze the current trends in kid's wear. [K4]

### Construction of the following garments

1. Bib, mitten and bonnet
2. Zabra and panty
3. Baba suit
4. Petticoat
5. Frock
6. Shorts
7. Full arm shirt with Shakespeare collar
8. Pyjama
9. Kurta for boys
10. Poncho
11. Three fourth pant with tie-ups
12. Pinafore
13. Blouse

Innovative Garments

Industrial Visit.

**REFERENCE BOOKS**

1. Digest, R. (1976). *Complete Guide to Sewing*, New York: The Reader's Digest Association, the Pleasant Ville.
2. Mathews, M. (1985). *Practical Clothing Construction*, Chennai: (Part I) Basic Sewing processes.
3. Rosalie, P. Giles, (1978). *Needle Work*, London: Methuen Educational.
4. Zarpakar, S. K., (29). *Zarpakar System of Cuttin*, Delhi:Navneet Publications Ltd.

Course Code 20UCFC41P	PO1		PO2		PO3	PO4		PO5	PO6	PO7
	PSO 1.a	PSO 1.b	PSO 2.a	PSO 2.b	PSO 3	PSO 4.a	PSO 4.b	PSO 5	PSO 6	PSO 7
CO 1	H	H	H	H	H	H	H	-	-	-
CO 2	H	H	H	H	H	H	H	-	-	-
CO 3	H	H	H	H	H	H	H	-	-	-
CO 4	H	H	H	H	H	H	H	H	M	-
CO 5	H	H	H	H	H	H	H	H	-	-

Mrs.J.Athirstam  
Head of the Department

Ms.L.Dervimuthumari  
Course Designer



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VIRUDHUNAGAR - 626 001

### B.Sc. Costume Design and Fashion (2020 -2021 onwards)

Semester IV	<b>FASHION AND CLOTHING PSYCHOLOGY</b>	Hours/Week: 4	
Allied Course – II		Credits: 4	
Course Code <b>20UCFA41</b>		Internal 25	External 75

#### COURSE OUTCOMES

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

- CO1: enumerate the concepts and importance of fashion, merchandise presentation, wardrobe planning, fashion designers, leaders and innovators. [K1]
- CO2: classify the types of fashion, designers, leaders, and outline the functions of merchandisepresentation and selection of wardrobe for various age groups. [K2]
- CO3: indicate the role of designers, leaders, fashion and elaborate the procedures to be followed in wardrobe selection and merchandise presentation. [K2]
- CO4: trace the usage of fashion for various aspects and signature styles followed by the designers and find out the techniques of wardrobe selection and merchandise presentation. [K3]
- CO5: analyze the fashion evolution, factors to be considered while selecting the garments for wardrobe planning, forecasting and merchandise presentation and compare the styles offashion promoters and designers. [K4]

#### UNIT I Fashion

Factors influencing fashion changes- psychological needs of fashion, social psychology of fashion, technological, economical, political, legal and seasonal influence. Role of costume as astatus symbol, personality and dress, clothes as sex appeal, costumes reflects cultural value - fashion cycles and repetition of fashion. (11Hours)

#### UNIT II Fashion Leaders and Adoption

Fashion leaders, fashion innovators, fashion motivation, fashion victims, fashion followers. Adoption of fashion – trickle down, trickle up and trickle across theory. Fashion forecasting- market research, evaluating the collection, fashion services and resources (fashion services, colour services, newsletter services, websites, directories and references). (13 Hours)



### **UNIT III Visual Merchandising and Merchandising Presentation**

Visual merchandising of fashion - types of displays – window displays and interior displays. Elements of display – the merchandise, mannequins forms, props, signage and lighting. Merchandising presentation – tools and techniques - back drop, forms, and fixtures. Fashion show – definition, planning, budgeting, location, timing, selection of models, collection, set design, music, preparing the commentary and rehearsal. (12 Hours)

### **UNIT IV Fashion Designers**

Fashion designers - types - classicist, idealist, influenced, realist, thinking poet. Indian fashion designer – haute couture – Rohit Hosla, Gitanjal kashyap Hemant Trivedi, J.J. Valaya, James Ferrerira, Ritukumar, Rohitbal, Tarun Tahiliani. Minimalists - Himanshu and Sonali Sattar, Sangeethe Chopra and Wendell Rodricks. Village India – Bhamini Subramaniam, Anju Modi, Indiar, Broker, MadhuJain. Studio line- Bhairavi Jaikishan, Kishan Mehta, Ravi Bajaj, Ritu Beri, Rockys. (13 Hours)

### **UNIT V Wardrobe Planning and Selection**

Wardrobe planning – principles and steps involved in wardrobe planning, selection of clothing, factors influencing the choice of clothing materials for general and textile factors – price, serviceability, size and fit, attractiveness, suitability, age, climate, occupation, occasion, design and fashion, sociological and psychological factors. Points to be considered while planning wardrobe for different age groups. (11Hours)

### **TEXTBOOK**

Davis, J. (2009). *A Complete Guide to Fashion Designing*. 1<sup>st</sup> Edition. Abhishek Publication, Chandigarh.

### **REFERENCE BOOKS**

1. Frings, G.S. (2008). *Fashion from Concept to Consumer*, 7<sup>th</sup> Edition. India: Dorling Kindersley Publishing Inc.
2. Soloman, M.R. Rabolt, N.J. (2006). *Consumer Behavior in Fashion*, India: Dorling Kindersley Publishing Inc.
3. Sodhia, M. (2009). *History of Fashion*, New Delhi: Kalyani Publishers.
4. Stone, E. (2001). *The Dynamics of Fashion*, New York: Fairchild Publications.
5. Pundir, N. (2007). *Fashion Technology Today and Tomorrow*, New Delhi: A Mittal Publication.
6. Mike Easey, (2009) *Fashion Marketing*, 3<sup>rd</sup> Edition. United Kingdom: Wiley-Blackwell Publication.

Course Code 20UCFA41	PO1		PO2		PO3	PO4		PO5	PO6	PO7
	PSO 1.a	PSO 1.b	PSO 2.a	PSO 2.b	PSO3	PSO 4.a	PSO 4.b	PSO5	PSO6	PSO7
CO 1	H	H	M	M	-	-	-	-	-	-
CO 2	H	H	H	H	-	-	-	-	-	-
CO 3	H	H	H	H	-	-	-	-	-	-
CO 4	H	H	H	H	M	H	M	-	-	-
CO 5	H	H	H	H	H	M	M	M	-	-

Mrs.J.Athirstam  
Head of the Department

Ms.N.Praveena  
Course Designer



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**VIRUDHUNAGAR - 626 001**

**B.Sc. Costume Design and Fashion**  
**(2022 -2023 onwards)**

Semester IV	<b>FASHION AND CLOTHING PSYCHOLOGY</b>	Hours/Week: 4	
Allied Course – II		Credits: 4	
Course Code <b>20UCFA41N</b>		Internal 25	External 75

**COURSE OUTCOMES**

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

- CO1: enumerate the concepts, objectives and importance of fashion, merchandise presentation, world fashion centers, fashion designers, leaders, innovators and career in fashion industry. [K1]
- CO2: classify the types of fashion, designers, leaders, and outline the functions of merchandise presentation. [K2]
- CO3: indicate the role of fashion, costumes, designers, fashion leaders, sourcing manager, fabric technician, textile designer, pattern marker, fashion merchandiser, fashion retail manager, fashion forecaster and self-entrepreneur and elaborate the procedures to be followed in merchandise presentation. [K2]
- CO4: trace the fashion designing process and the usage of fashion for various aspects and signature styles followed by the designers and find out the tools and techniques of merchandise presentation. [K3]
- CO5: analyze the factors influencing fashion changes, forecasting and merchandise presentation and compare the styles of fashion promoters and designers. [K4]

**UNIT I Fashion**

Factors influencing fashion changes- psychological needs of fashion, social psychology of fashion, technological, economical, political, legal and seasonal influence. Role of costume as a status symbol, personality and dress, clothes as sex appeal, costumes reflects cultural value - fashion cycles and repetition of fashion. (12Hours)

**UNIT II Fashion Leaders and Adoption**

Fashion leaders, fashion innovators, fashion motivation, fashion victims, fashion followers. Adoption of fashion – trickle down, trickle up and trickle across theory. Fashion forecasting- market research, evaluating the collection, fashion services and resources(fashion services, colour services, newsletter services, websites, directories and references. (12 Hours)

### **UNIT III Visual Merchandising and Merchandising Presentation**

Visual merchandising of fashion - types of displays – window displays and interior displays. Elements of display – the merchandise, mannequins forms, props, signage and lighting. Merchandising presentation – tools and techniques - back drop, forms, and fixtures. Fashion show – definition, planning, budgeting, location, timing, selection of models, collection, set design, music, preparing the commentary and rehearsal. (12Hours)

### **UNIT IV Fashion Designing Process**

Designing process- Fashion designers - types - classicist, idealist, influenced, realist, thinking poet. Indian fashion designers – haute couture –Rohit Hosla, Hemant Trivedi, J.J. Valaya, Ritukumar, Rohitbal. Minimalists - Himanshu and Sonali Sattar, Sangeethe Chopra. Village India – Bhamini Subramaniam, Anju Modi. Studio line- Bhairavi Jaikishan, Ritu Beri. American designers - Calvin Klein and Michael Kors. Eco fashion designers- Christy Dawn Eileen Fisher and Jessica Rey (13 Hours)

### **UNIT V Career in Fashion Industry**

Careers in primary levels, career in textiles, career in manufacturing and design, career in sales, career in retail merchandising, career in retail management. World fashion centers- France, Italy, America, Milan and Paris. (11Hours)

### **TEXTBOOK**

Davis, J. (2009). *A Complete Guide to Fashion Designing*. 1<sup>st</sup> Edition. Abhishek Publication, Chandigarh.

### **REFERENCE BOOKS**

1. Frings, G.S.(2008). *Fashion from Concept to Consumer*, 7<sup>th</sup> Edition. India: Dorling Kindersley Publishing Inc.
2. Soloman, M.R. Rabolt, N.J. (2006). *Consumer Behavior in Fashion*, India: Dorling Kindersley Publishing Inc.
3. Sodhia, M. (2009). *History of Fashion*, New Delhi: Kalyani Publishers.
4. Stone, E. (2001). *The Dynamics of Fashion*, New York: Fairchild Publications.
5. Pundir, N. (2007). *Fashion Technology Today and Tomorrow*, New Delhi: A Mittal Publication.
6. Mike Easey, (2009) *Fashion Marketing*, 3<sup>rd</sup> Edition. United Kingdom: Wiley-Blackwell Publication.

Course Code 20UCFA41N	PO1		PO2		PO3	PO4		PO5	PO6	PO7
	PSO 1.a	PSO 1.b	PSO 2.a	PSO 2.b	PSO 3	PSO 4.a	PSO 4.b	PSO 5	PSO 6	PSO 7
CO1	H	H	M	M	-	-	-	-	-	-
CO2	H	H	H	H	-	-	-	-	-	-
CO3	H	H	H	H	-	-	-	-	-	-
CO4	H	H	H	H	M	H	M	-	-	-
CO5	H	H	H	H	H	M	M	M	-	-

Mrs.J.Athirstam  
Head of the Department

Mrs.J.Athirstam  
Course Designer



## V.V.VANNIAPERUMAL COLLEGE FOR WOMEN

(Belonging to Virudhunagar Hindu Nadars)

An Autonomous Institution Affiliated to Madurai Kamaraj University, Madurai

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VIRUDHUNAGAR - 626 001

### B.Sc. Costume Design and Fashion

(2020 -2021 onwards)

Semester IV	<b>FASHION ILLUSTRATION LAB</b>	Hours/Week: 2	
Allied Practical – 2		Credits: 2	
Course Code <b>20UCFA41P</b>		Internal 40	External 60

### COURSE OUTCOME

On completion of the course, students will be able to

CO1: identify the proportions in sketching the head theories and facial features.

[K3]

CO2: find out the principles to draw the arms, legs, hands, face, eyes, nose, ears, lips and accessories. [K3]

CO3: develop various figure postures with suitable garments by using various colour mediums. [K3]

CO4: prepare the record with various figures and apply the rendering techniques with colour theories, elements and principles of designs. [K3]

CO5: analyze the techniques involved in sketching and designing of various figures and themes with suitable accessories. [K4]

### List of Illustrations

1. Introduction to sketching
  - Eight head theory
  - Ten head theory
  - Twelve head theory
2. Legs and feet – principle for drawing the legs, draw the legs in different views, motion to the legs.
3. Arms and hands – principle of drawing the arms, arms and hands in different forms, hand proportion.
4. Whole face in different views – eyes – nose – ears and lips.
5. Accessories – hats, bags, scarves and stoles, shoes, bow and ties.
6. Prang colour chart
7. Value chart
8. Intensity chart

9. Color harmony – related colour harmony – achromatic, monochromatic and analogous. Complimentary colour harmony – single complimentary, double complimentary, split complimentary and triad color harmony.
10. Applications of elements, principles, textures and patterns of design on costume using various color medium – crayon / steadler, oil pastels, pencil color, line work, pencil work, striping, water color, poster color.
11. Movement figure – twisting and turning, running and walking.
12. Illustrate a party wear garment.
13. Illustrate a formal wear garment.
14. Illustrate a casual wear garment.
15. Designing a costume for haute couture.
16. Developing a fashion garment based on seasons.
17. Designing a garment with a theme.

Industrial Visit.

## REFERENCE BOOKS

1. John Ireland, P. (2005). *Fashion Design Illustration*, New Delhi: B.T Batsford Ltd.
2. Lee Tate, S. (2007). *Inside Fashion Design*, 5<sup>th</sup> Edition. Unites states: Pearson EducationPublications.
3. Thames and Hudson, (2010). *Basic Illustrations*, London: A V A Publishing Distributers.
4. Paco Asensio, (2008). *Fashion Illustration Colure + Medium*, U.S.A: Maomao Publications.
5. Alexandra Suhner Isenberg, (2012) *Technical Drawing for Fashion Design*, Amsterdam &Singapore: The Pepin Press.

Course Code 20UCFA41P	PO1		PO2		PO3	PO4		PO5	PO6	PO7
	PSO 1.a	PSO 1.b	PSO 2.a	PSO 2.b	PSO 3	PSO 4.a	PSO 4.b	PSO 5	PSO 6	PSO 7
CO1	H	H	M	H	H	H	H	-	-	-
CO2	H	H	M	H	H	H	H	-	-	-
CO3	H	H	M	H	H	H	H	-	-	-
CO4	H	H	M	H	H	H	H	H	M	-
CO5	H	H	M	H	H	H	H	H	-	-

Mrs.J.Athirstam  
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Ms.S.Dhivya  
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**VIRUDHUNAGAR - 626 001**

### B.Sc. Costume Design and Fashion

(2020 -2021 onwards)

Semester IV	<b>SURFACE ORNAMENTATION LAB</b>	Hours/Week: 1T/1P	
Skill Enhancement Course – 3		Credits: 2	
Course Code <b>20UCFS41P</b>		Internal 40	External 60

### COURSE OUTCOME

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

CO1: write the procedures to make embroidery stitches. [K3]

CO2: choose the suitable design, threads and colours to enrich the surface. [K3]

CO3: make use of the technical skills involved in making embroidery stitches. [K3]

CO4: prepare the record with the samples of basic and advanced embroidery stitches and calculate its cost. [K3]

CO5: develop new trends in embroidery and enrich the textile products. [K4]

### List of Basic and Advanced Embroidery Stitches

1. Running stitch
2. Backstitch
3. Stem stitch
4. Chain stitch
5. Lazy daisy stitch
6. Buttonhole
7. Herringbone
8. French knot
9. Straight stitch
10. Feather stitch

11. Couching
  12. Beads
  13. Sequins
  14. Zardosi
  15. Smocking
  16. Kamal work
  17. Ribbon work
  18. Mirror work
  19. Applique work
- Apply stitches on any one garment
- Industrial Visit.

### REFERENCE BOOKS

1. Kate, H. (2012). *A Comprehensive Guide to 225 Embroidery Stitches and Technique*, U.K: The Stitch Bible.
2. Kooler, D. (2000). *Donna Encyclopedia of Needlework*, U.S.A: Leisure Art Inc.
3. Naik, S. D., (2020). *Traditional Embroideries of India*, New Delhi: APH Publishing Corporation.
4. Betty Barnden., (2003). *The Embroidery Stitch Bible*, Kent: Search press Ltd.
5. Kathy Troup., (2017). *A-Z of Ribbon Embroidery*, Great Britain: Search press.

Course Code 20UCFS41P	PO1		PO2		PO3	PO4		PO5	PO6	PO7
	PSO 1.a	PSO 1.b	PSO 2.a	PSO 2.b	PSO 3.a	PSO 4.a	PSO 4.b	PSO 5.a	PSO 6	PSO 7
CO 1	H	H	M	H	H	H	H	-	-	-
CO 2	H	H	M	H	H	H	H	-	-	-
CO 3	H	H	M	H	H	H	H	-	-	-
CO 4	H	H	M	H	H	H	H	H	H	-
CO 5	H	H	H	H	H	H	H	H	-	-

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### B.Sc. Costume Design and Fashion (2020 -21 onwards)

Semester IV	<b>INTERIOR DESIGNING</b>	Hours/Week: 2	
NMEC-2		Credits: 2	
Course Code <b>20UCFN41</b>		Internal 40	External 60

### COURSE OUTCOMES

On completion of the course, students will be able to

CO1: show the concepts and selection of colours and furnishing materials for homes. [K1]

CO2: classify the types of colours and furnishing materials suitable for day to day life and explain the maintenance of furnishing materials. [K2]

CO3: trace the usage of colours and functions of home furnishing materials for kitchen linen, draperies, curtains, floor coverings and bed linen. [K2]

CO4: make use of the applications of colours and furnishing materials for various home decors with good care. [K3]

CO5: utilize the technical skills to select colors and materials suitable for home decors. [K3]

### UNIT I Colour Aspects

Prang colour chart – primary, secondary, intermediate and tertiary colours. Colour dimensions - hue, value, intensity. Warm and cool colours. Psychology of colours on dress. Illusions created by colours. Applications of colours for different seasons. Colour schemes – related colour harmony - monochromatic harmony and analogous harmony. Contrasting harmony - complementary harmony, double complementary harmony, split complementary harmony and triad. (7Hours)

### UNIT II Introduction to Home Furnishing

Introduction to home furnishing – different types of furnishing materials – selection of furnishing materials. (5Hours)

### UNIT III Draperies and Curtains

Doors and windows – different types and functions – styles in draperies, curtains and valances. Care and maintenance. (5Hours)

### UNIT IV Floor Coverings

Floor coverings – types – hard floor coverings, soft floor coverings. Care and maintenance. (7Hours)

**UNIT V Linens**

Bed linen - pillow, pillow covers, bed covers. Kitchen linen-apron, table linen and hand towel. Bathroom linen. (6Hours)

**TEXT BOOK**

Muriel Clark, R. (1981). *Home Management*. London: A Fresh Approach, Richard clay Ltd.

**REFERENCE BOOKS**

1. Alexander, N.G. (1972). *Designing Interior Environment*. New York: Mascourt, Bizucovanorich, Inc.
2. Baker, W. (2000). *Fabric Sector*. London: Collins and Brown Publication Pvt. Ltd.
3. Lunenschloss, J. Albrocht, W. (1985). *Non Woven Bonded fabrics*. London: Ellis Horwood.
4. Murphy, R.J. (1997). *House Beautiful – A Seasonal Guide to Decorating With Fabric*. New York : Quadrille Publishing Ltd.
5. Octopus, H. (2001). *Cushions and Pillows-Professional Skills Made Easy*. New York: Octopus Publishing Group.

<b>Course Code</b> <b>20UCFN41</b>	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	H	H	H	M	L	L	M
CO2	H	H	H	M	L	L	M
CO3	H	H	H	M	L	L	M
CO4	H	H	H	H	H	H	H
CO5	H	H	H	H	H	H	H

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Course Designer



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**VIRUDHUNAGAR - 626 001**

Semester IV	<b>Internship / Field Project (2020 -21 onwards)</b>	Hours/Week: 0
PART IV		Credit: 1
Course Code <b>20UCFI41G</b>		Internal 100

### COURSE OUTCOMES

On completion of the Internship/Field Project, students will be able to

CO1: relate their theoretical insights with hands-on experience. [K3]

CO2: develop technical skills to their respective field of study.[K3]

CO3: demonstrate the attributes such as observational skills, team spirit and inter personal skills builtthrough site visits. [K3]

CO4: exhibit the written communication skills acquired through internship/field project. [K3]

CO5: analyze the observations and results and communicate their academic and technological knowledge appropriately oral means. [K4]

### GENERAL INSTRUCTIONS:

- **Internship:** A designated activity that carries one credit involving not less than 15 days of working inan organization under the guidance of an identified mentor
- **Field Project:** Students comprising of maximum 5 members in a team need to undertake a projectthat involves conducting surveys inside/outside the college premises and collection of data from designated communities or natural places.
- Internal Assessment only.

Course Code 20UCFI41G	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO 1	H	M	M	M	M	H	-
CO 2	H	M	M	M	M	H	
CO 3	H	M	-	-	-	H	
CO 4	H	H	M	M	-	M	H
CO 5	H	M	H	H	M	-	

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**VIRUDHUNAGAR - 626 001**

### B.Sc. Costume Design and Fashion

(2020 -2021 onwards)

Semester V	<b>PATTERN DRAFTING AND CONSTRUCTION FOR ADULT WEAR I</b>	Hours/Week: 4	
Core Course – 7		Credits: 4	
Course Code <b>20UCFC51</b>		Internal 25	External 75

### COURSE OUTCOMES

On completion of the course, students will be able to

- CO1: list down the components and technical terms for various adult wear and illustrate different models of it. [K1]
- CO2: explain the drafting procedure with various features and the methods of preparing patterns for adult wear. [K2]
- CO3: identify the cutting line, prepare layout, estimate the cloth and calculate the cost for various adult wear and apply the construction techniques for it. [K3]
- CO4: analyze the basic patterns and discover new styles and patterns for various adult wear with texture effect. [K4]
- CO5: predict the latest trends of adult wear and choose the suitable materials and develop patterns for it. [K5]

#### UNIT I

Illustrating, drafting, pattern making, lay out preparation, stitching procedure and material calculation for – apron, six panel petticoat, cape, house coat with half sleeve and full open and caftan.

(11 Hours)

#### UNIT II

Illustrating, drafting, pattern making, lay out preparation, stitching procedure and material calculation for - plain skirt, pencil fit skirt, pleated skirt, umbrella skirt, ghagra and choli with hole shoulder sleeve.

(12 Hours)

#### UNIT- III

Illustrating, drafting, pattern making, lay out preparation, stitching procedure and material calculation for – peplum top, stand collar with tie and bow tops, off shoulder tops, cowl neck tops and halter neck line tops.

(13 Hours)

**UNIT IV**

Illustrating, drafting, pattern making, lay out preparation, stitching procedure and material calculation for - plain salwar, palazzo, patiala, churidar and butter fly pant. (12 Hours)

**UNIT V**

Illustrating, drafting, pattern making, lay out preparation, stitching procedure and material calculation for - Punjabi kameez with waist coat, umbrella cut, anarkali cut and panel cut kameez. (12 Hours)

**TEXT BOOKS**

1. Joseph Armstrong, H. (2013). *Pattern drafting for fashion design, 5<sup>th</sup> Edition*. India: Pearson Education.
2. Zarapkar, S. K. (2009). *Zarapkar system of cutting*, India: Navneet Publications Ltd.

**REFERENCE BOOKS**

1. Alison Smith. (2021). *The dressmaking book*, UK: DK Publications.
2. Alison Smith. (2021). *Sew your own wardrobe*, UK: DK Publications.
3. Colleen Dorsey, (2011). *Illustrated guide to sewing: garment construction*, Fox Chapel Publishing.
4. Jennifer Lynne Mathews. (2018). *Pattern design fundamentals*, India: Fairbank Publishing LLC.
5. Wendy Ward (2014). *The beginner's guide to dress making*, United Kingdom: David & Charles

Course Code	PO1		PO2		PO3	PO4		PO5	PO6	PO7
	PSO 1.a	PSO 1.b	PSO 2.a	PSO 2.b	PSO3	PSO 4.a	PSO 4.b	PSO5	PSO6	PSO7
CO1	H	H	M	M	M	M	M	L	L	-
CO2	H	H	M	M	M	M	M	M	L	-
CO3	H	H	M	M	M	H	H	L	M	-
CO4	H	H	M	M	M	H	H	L	H	-
CO5	M	M	M	M	M	M	H	M	H	-

Mrs.J.Athirstam  
Head of the Department

Mrs.J.Athirstam  
Course Designer



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VIRUDHUNAGAR - 626 001

### B.Sc. Costume Design and Fashion

(2020 -2021 onwards)

Semester V	<b>DRAPING TECHNIQUES</b>	Hours/Week: 4	
Core Course – 8		Credits: 4	
Course Code <b>20UCFC52</b>		Internal 25	External 75

### COURSE OUTCOMES

On completion of the course, students will be able to

CO1: define the concept and importance of marking, tracing, muslin preparation, dress form and equipments needed for draping. [K1]

CO2: explain the types and methods of draping darts, fullness, neckline, yoke, collar, sleeve, skirt, bodice, gown and equipments needed for draping a garment. [K2]

CO3: find out the applications and techniques involved in draping a garment with different variations. [K3]

CO4: differentiate the draping equipments and analyze the changes that occur in draping different styles of garment. [K4]

CO5: interpret the new trends in creating various blocks to drape a garment. [K5]

### UNIT I

#### Draping and its Preparation

Draping – meaning and stages – draping, marking and tracing. Dress form and its preparation. Preparation of muslin cloth – grain, seam allowance. Equipments needed for draping. (11 Hours)

### UNIT II

#### Basic Patterns

Basic bodice front and back. Dart variations – waist line dart, center front dart, french dart, neck line dart and armhole dart. Fullness pleats, darts, tucks and gathers. (12 Hours)

### UNIT III

#### Neckline, Collar and Yoke Variations

Neckline - Cowl neckline and halter neck line. Yoke variations - bodice yoke, midriff yoke, shirt yoke and hip yoke. Collars - mandarin collar, band collar, convertible collar, shawl collar and peter pan collar. (13 Hours)



**UNIT IV****Bodice and Sleeve Variations**

Bodice - peasant, butterfly twist, swap rice bodice, gibson and strapless top. Sleeves – dolman sleeve, batwing sleeve, bell sleeve, kimono sleeve and raglan sleeve. (12 Hours)

**UNIT V****Skirt and Gown Variations**

Skirt - basic, kilt, ballet, a- line, circular and yoke skirt with gathers and flare skirt.  
Gown variations- gown with ruffled petticoat and wedding gown. (13 Hours)

**TEXT BOOK**

Kiisel, K. (2013). *Draping: the complete course*, U.S.A: Thames & Hudson Publisher.

**REFERENCE BOOKS**

1. Amadan Crawford, C. (2005). *The art of fashion draping*, New York: Fair Child Publications.
2. Connie Amaden-Crawford, (2018) *The Art of Fashion Draping*, United Kingdom: Bloomsbury Publishing.
3. Crawford, C. (2005). *The art of Fashion Draping*, 3<sup>rd</sup> edition. U.S.A: Laurence King Publishing.
4. Emeritus, N. & Jaffe, H. (2011). *Draping for fashion design*, 5<sup>th</sup> Edition. U.S.A: Prentice Hall

Course Code	PO1		PO2		PO3	PO4		PO5	PO6	PO7
	PSO 1.a	PSO 1.b	PSO 2.a	PSO 2.b	PSO3	PSO 4.a	PSO 4.b	PSO5	PSO6	PSO7
CO1	L	M	M	M	M	H	H	M	-	-
CO2	L	M	M	H	H	H	H	M	-	-
CO3	M	M	M	H	H	H	H	M	-	-
CO4	M	M	M	M	M	H	H	M	-	-
CO5	M	M	M	M	M	H	H	M	-	-

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Head of the Department

Ms. S.Dhivya  
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**VIRUDHUNAGAR - 626 001**

### B.Sc. Costume Design and Fashion (2020-2021 onwards)

Semester V	<b>TEXTILE WET PROCESSING</b>	Hours/Week: 4	
Core Course 9		Credits: 4	
Course Code <b>20UCFC53</b>		Internal 25	External 75

### COURSE OUTCOMES

On completion of the course, students will be able to

CO1: describe the concepts, objectives and importance of singeing, desizing, scouring, bleaching, mercerization, dyeing, printing, finishing and dyeing machines. [K1]

CO2: classify the types and methods of wet processing for various fabrics, identify the properties of dyeing and explain the working process of dyeing machines. [K2]

CO3: identify the techniques involved in the processing of various fabrics and dyeing machines and find its applications. [K3]

CO4: analyze the advantages and disadvantages of wet processing and dyeing machines. [K4]

CO5: evaluate the quality of fabrics. [K5]

### UNIT I

Production sequence of textile fabrics - flow chart – fabric preparation- singeing, desizing, scouring, bleaching and mercerizing- different methods. (11 Hours)

### UNIT II

Dyes - classification and properties of dyes. Direct, vat, reactive, sulphur and naphthol dyes for cotton fabrics. Acid and basic dyes for wool, silk, nylon and acrylic fabrics. Methods of dyeing - direct, stock, top. Dyeing machines - winch, jigger. (12 Hours)

### UNIT III

Disperse dyes for polyester fabrics. Vegetable dyes - types and colours, applications of natural dyes, advantages and limitations. Methods of dyeing - yarn, piece, garment and dope dyeing. Dyeing machines – Beam, pigment padding and jet. (11 Hours)

#### UNIT IV

Printing- meaning, styles of printing and differences between printing and dyeing.

Styles of printing - direct printing - block printing- preparation of block and techniques. Stencil printing - preparation of stencils, process and techniques. Screen printing- flat screen and rotary screen printing, preparation of screen printing paste, screen printing process. Resist printing - batik printing - process and techniques. Tie and dye - process and techniques. Discharge printing - chemicals used, process involved. Modern printing techniques- inkjet printing, heat transfer printing, digital printing. (13 Hours)

#### UNIT V

Textile finishing – mechanical finishing – calendaring, compacting, embossing, sueding, raising, wool glazing, shearing, stabilization, decating, steaming and heat setting, sanforizing and fulling. Chemical finishing – softening, elastomeric finish, crease resistant, soil release, flame retardant treatment, peach finish anti pilling, stain and soil resistant, oil and water proofing, water - repellent, anti static, anti mildew, moth proofing, antibacterial. Enzyme finishing – sewing thread finishing. (13 Hours)

#### TEXT BOOK

1. Deepali Rastogi, & Sheetal Chopra, (2017). *Textile science*, Hyderabad: Orient Blackswan Private limited.

#### REFERENCE BOOKS

1. Arora, A. (2011). *Text book of dyes*, New Delhi: Sonali Publications.
2. Carbman, B.P. (2000). *Fibre to fabric*, International Students Edition. Singapore: MC Graw Hill Book Co.
3. Gunner, J. (2006). *Shibori for textile artist*, London: Batsford.
4. Murphy, W.S. (2000). *Textile finishing*, Chandigarh: Abhishek Publication.
5. Sekhri, S. (2016). *Text book of fabric science*, 2<sup>nd</sup> Edition. India: Prentice Hall Learning Private Limited.
6. Seema sekhari, (2017). *Text book of fabric science fundamentals to finishing*, 2<sup>nd</sup> Edition. India: Prentice Hall Learning Private Limited

Course Code 20UCFC53	PO1		PO2		PO3	PO4		PO5	PO6	PO7
	PSO 1.a	PSO 1.b	PSO 2.a	PSO 2.b	PSO3	PSO 4.a	PSO 4.b	PSO5	PSO6	PSO7
CO1	H	H	M	M	-	-	-	-	-	-
CO2	H	H	M	M	L	-	-	-	-	-
CO3	H	H	H	H	H	-	L	L	-	-
CO4	H	H	H	H	M	-	M	L	-	-
CO5	H	H	H	H	M	-	H	H	-	-

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**VIRUDHUNAGAR - 626 001**

### **B.Sc. Costume Design and Fashion (2020 -21 onwards)**

Semester V	<b>BASIC STATISTICS</b>	Hours/Week: 4	
DSEC – 1		Credits: 4	
Course Code <b>20UHSE51</b>		Internal 25	External 75

### **COURSE OUTCOMES**

On completion of the course, students will be able to

CO1: define the basic concept of research, statistics, sampling and sampling methods, data

representation, measures of central tendency, dispersion, correlation and regression. [K1]

CO2: explain the types of research, data, sampling, data representation, measures of central tendency,

dispersion, correlation and regression. [K2]

CO3: identify the sources of data, frequency distribution, sampling techniques and manipulate the

collected data using statistical techniques. [K3]

CO4: analyse the properties, advantages and disadvantages of methods involved in collection,

sampling, summarization and analysis of data.[K4]

CO5: assess the various statistical techniques to manage research work in the field of health and

sciences. [K5]

### **UNIT I**

Research – meaning, importance, types and criteria of good research. Statistics - meaning, importance and limitations. Data - definition, classification of data, collection of data - primary data and secondary data, sources, collection methods, advantages and disadvantage. Frequency distribution- definition, discrete and continuous frequency distribution – frequency graphs. (12 Hours)

### **UNIT II**

Diagrammatic representation - advantages, limitations, types - one dimensional, two dimensional, three dimensional, pictogram and cartogram – rules for making diagram. Graphic representation - advantages, types - graphs of frequency distribution and graphs of time series. Tabulation - meaning, parts of tabulation, types of table, objectives and rules. (12 Hours)

### UNIT III

Sampling- definition, procedure, advantages, limitations. Probability sampling – simple random sampling, restricted random sampling, stratified sampling. Non probability sampling – judgment sampling, quota sampling and convenience sampling. (12 Hours)

### UNIT IV

Measures of central tendency – mean, median, mode. Measures of dispersion - range, interquartile range, quartile deviation, mean deviation, standard deviation and co-efficient of variation- meaning, formula, steps involved in calculation, advantages and disadvantages. (12 Hours)

### UNIT V

Correlation - meaning, significance, properties, types and methods of studying correlation- Scatter diagram method, Graphic method, Karl Pearson's coefficient, Rank correlation and Concurrent Deviation method- meaning, formula, steps involved in calculation, advantages and disadvantages.

Regression - meaning, regression line, regression equation, significance, properties, calculation of regression equation, advantages and disadvantages. Difference between correlation and regression. (12 Hours)

### REFERENCES

1. Arumugam, N. (2010). *Biostatistics computer application bioinformatics instrumentation*, Nagercoil: Saras publication.
2. Gupta, S.P. (2005). *Statistical methods*, New Delhi: Sultan chand and sons.
3. Gurumani, N.(2005). *An introduction to biostatistics*, Chennai: MJP publishers.
4. Kothari, C.R. (2019). *Research methodology methods and techniques*, 4<sup>th</sup> edition, New Delhi: New age international publishers.
5. Krishnaswamy, O.R. (2014). *Methodology of research in social sciences*, Mumbai: Himalaya publishing house pvt ltd.
6. Kulkarni, A.P. (2020). *Biostatistics*, New Delhi: CBS publishers and distributors pvt ltd.
7. Manoharan, M. (2012). *Statistical methods*, 7<sup>th</sup> edition, Palani: Palani paramount publications.
8. Pillai, R.S.N. (2005). *Statistics*, New Delhi: Chand and company ltd.



## V.V.VANNIAPERUMAL COLLEGE FOR WOMEN

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VIRUDHUNAGAR - 626 001

B.Sc. Home Science - Nutrition and Dietetics  
(2023 - 2024 onwards)

Semester V	<b>BASIC STATISTICS</b>	Hours/Week: 4	
DSEC – 1		Credits: 4	
Course Code <b>20UHSE51N</b>		Internal 25	External 75

### COURSE OUTCOMES

On completion of the course, students will be able to

CO1: define the basic concept of research, statistics, sampling and sampling methods, data

representation, measures of central tendency, dispersion, correlation and research report.

[K1]

CO2: explain the types of research, data, tools, sampling, data representation, measures of central tendency, dispersion and correlation. [K2]

CO3: identify the sources of data, frequency distribution, sampling techniques and manipulate the collected data using statistical techniques. [K3]

CO4: analyse the properties, advantages and disadvantages of methods involved in collection, sampling, summarization and analysis of data. [K4]

CO5: assess the various statistical techniques to manage research work in the field of health and sciences. [K5]

### UNIT I

Research – meaning, importance, Research types – Descriptive, Experimental, Evaluative, Analytical and Survey, Tools – Observation, Interview schedule, Questionnaire and Attitude scale, Characteristics of research tool – reliability and validity, practicability and objectivity and criteria of good research.

Statistics - meaning, importance and limitations. Data - definition, classification of data, collection of data - primary data and secondary data, sources, collection methods, advantages and disadvantages. (12 Hours)

### UNIT II

Sampling- definition, procedure, advantages, limitations. Probability sampling – simple random sampling, restricted random sampling, stratified sampling. Non probability sampling – judgment sampling, quota sampling and convenience sampling. (12 Hours)

### UNIT III

Frequency distribution- definition, discrete and continuous frequency distribution – frequency graphs.

Diagrammatic representation - advantages, limitations, types - one dimensional, two dimensional, three dimensional, pictogram and cartogram – rules for making diagram. Graphic representation - advantages, types – graphs of frequency distribution and graphs of time series. Tabulation - meaning, parts of a table, types of table, objectives and rules. (12 Hours)

### UNIT IV

Measures of central tendency – mean, median and mode - meaning, steps involved in calculation, advantages and disadvantages. Measures of dispersion - range, standard deviation and co-efficient of variation- meaning, steps involved in calculation, advantages and disadvantages. (12 Hours)

### UNIT V

Correlation - meaning, significance, properties, types and methods of studying correlation- Scatter diagram method, Graphic method, Karl Pearson's coefficient and Rank correlation. Test of significance, T-test, Chi Square test – uses and limitations Fundamentals of writing research report (12 Hours)

### REFERENCES

1. Vijayalakshmi,G and Sivapragasam ,C.(2016).Research methods tips and techniques. Chennai: MJP Publishers.
2. Arumugam, N. (2010). *Biostatistics computer application bioinformatics instrumentation*, Nagercoil: Saras publication.
3. Gupta, S.P. (2005). *Statistical methods*, New Delhi: Sultan chand and sons.
4. Gurumani, N.(2005). *An introduction to biostatistics*, Chennai: MJP publishers.
5. Kothari, C.R. (2019). *Research methodology methods and techniques*, 4<sup>th</sup> edition, New Delhi: New age international publishers.
6. Krishnaswamy, O.R. (2014). *Methodology of research in social sciences*, Mumbai: Himalaya publishing house pvt ltd.
7. Kulkarni, A.P. (2020). *Biostatistics*, New Delhi: CBS publishers and distributors pvt ltd.
8. Manoharan, M. (2012).*Statistical methods*, 7<sup>th</sup> edition, Palani: Palani paramount publications.
9. Pillai, R.S.N. (2005). *Statistics*, New Delhi: Chand and company ltd.



Course Code 20UHSE51N	PO1		PO2		PO3	PO4		PO5	PO6	PO7
	PSO 1.a	PSO 1.b	PSO 2.a	PSO 2.b	PSO 3	PSO 4.a	PSO 4.b	PSO 5	PSO 6	PSO 7
CO1	M	M	L	M	M	M	-	M	-	-
CO2	M	M	M	M	M	M	-	M	-	M
CO3	M	M	H	H	H	M	-	M	-	M
CO4	H	H	H	H	H	M	-	H	-	M
CO5	H	H	H	H	H	M	-	H	-	H

Dr.D.Vijayarani

Head of the Department

Dr.D.Vijayarani  
Mrs.P.Ramalakshmi  
Course Designers



## V.V.VANNIAPERUMAL COLLEGE FOR WOMEN

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**VIRUDHUNAGAR - 626 001**

### B.Sc. Costume Design and Fashion (2020 -2021 onwards)

Semester V	<b>FASHION AND APPAREL MARKETING</b>	Hours/Week: 4	
DSEC – 1		Credits: 4	
Course Code <b>20UCFE52</b>		Internal 25	External 75

#### COURSE OUTCOMES

On completion of the course, students will be able to

CO1: describe the concept and importance of fashion marketing, advertising, consumer market and buyer behavior, marketing environment, standardization and grading in an apparel industry. [K1]

CO2: explain the types and functions of marketing environment, marketing assembling fashion industry, fashion advertising, advertising agencies, standardization and grading in an apparel industry. [K2]

CO3: find the techniques to be followed in fashion marketing, advertising agencies and the role of fashion designers, buyers, predictors, manufacturers, wholesalers, and retailers.[K3]

CO4: examine the merits and demerits of fashion advertising and advertising agencies and analyze the usage of fashion marketing in an apparel industry. [K4]

CO5: interpret the new trends involved in fashion marketing and advertising. [K5]

#### UNIT I

##### Fashion Marketing

Marketing – definition, classification. Fashion marketing- definition, types. Fashion market – size and structure. Analysis of consumer markets and buyer behavior. (11 Hours)

#### UNIT II

##### Marketing Environment

Introduction – micro marketing environment – designers, international sourcing, manufactures, marketing intermediaries, fashion predictors, consumers, competition within the fashion market, direct and indirect competition for fashion products and public. Macro marketing – political and legal, technological, demographics, social and cultural environments, green issues and economy. Trends in marketing environment. (13 Hours)

### UNIT III

#### Marketing Functions

Meaning and classification of marketing functions, functions of exchange, functions of physical supply. Marketing assembling-advantages of assembling, problems in assembling. Standardization – meaning. Stranded – meaning and types. Grading – meaning, need and types. Standardization and grading – differentiation and benefits. Packaging – meaning, growth, functions, materials and types.

(12 Hours)

### UNIT IV

#### Fashion Advertising

Definition and methods of advertising. Advertising media used in apparel market – indoor advertising – types, merits and demerits. Outdoor advertising - types, merits and demerits. Direct advertising – types, merits and demerits. Promotional advertising – types, merits and demerits.

(12 Hours)

### UNIT V

#### Advertising Agency

Advertising agency – selection of an advertising agency. Structure and functions of advertising agency – interest of advertising agency. Advertising budget- affordable method, percentage of sales methods. Advantages to manufactures, advantages to salesman, advantages to whole sellers and retailers, advantages of customers and advantages of community. Limitations of advertising – economic objection, social objection and ethical objection. Structure and functions of advertising department – advertising function, managerial function and general set-up of advertising department.

(12 Hours)

### TEXT BOOK

Easey, M. (2008). *Fashion marketing*, 3<sup>rd</sup> Edition. Singapore: John Wiley and Black Well Publisher.

### REFERENCE BOOKS

1. Harriet Posner, ( 2015). *Marketing Fashion*, 2nd edition . United Kingdom: Laurence King Publishing.
2. Kotler, K., Kolter, B. & Keller, K. (2009). *Marketing management*, 13<sup>th</sup> Edition. India: Dorling Kindersley Publishing Inc.
3. Pillai, R.S.N., Bagavathi, & Kala,S. (2010). *Marketing management*, 1<sup>st</sup> Edition. New Delhi: S Chand and Company Limited.
4. Sodha, M. & Chatley, S. (2008). *Fashion marketing and merchandising*, New Delhi: Kalyani Publication.

Course Code 20UCFE52	PO1		PO2		PO3	PO4		PO5	PO6	PO7
	PSO 1.a	PSO 1.b	PSO 2.a	PSO 2.b	PSO 3	PSO 4.a	PSO 4.b	PSO 5	PSO 6	PSO 7
CO1	H	H	M	M	L	-	-	H	M	M
CO2	H	H	M	M	M	-	-	H	M	M
CO3	H	H	M	M	M	-	-	H	H	M
CO4	H	H	M	M	M	-	-	H	H	M
CO5	H	H	M	M	L	-	-	H	M	M

Mrs.J.Athirstam  
Head of the Department

Ms.S.Dhivya  
Course Designer



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**VIRUDHUNAGAR - 626 001**

### B.Sc. Costume Design and Fashion

(2020 -2021 onwards)

Semester V	<b>COSTUMES AND TEXTILES OF THE WORLD</b>	Hours/Week: 4	
DSEC – 1		Credits: 4	
Course Code <b>20UCFE53</b>		Internal 25	External 75

### COURSE OUTCOMES

On completion of the course, students will be able to

CO1: trace the origin, significance, signature and evolution of world fashion art. [K1]

CO2: classify the styles of apparels and its accessories pertaining to various countries. [K2]

CO3: identify the cultural, social and psychological aspects of textiles and costumes. [K3]

CO4: compare and contrast the costumes and accessories of the world. [K4]

CO5: choose the suitable fabric and design costumes for the world fashion. [K5]

### UNIT I

#### Costumes of North and Central America

North America – Inuits and Aleuts, American Indians of southwest, American Indians of plains and North West and Amish costumes. Central America – men and women costumes of Guatemala, Mexico, Andean countries – Colombia, Ecuador, Peru and Bolivia, Chile, Argentina. North East- Brazil, Venezuela Paraguay and Uruguay. (13 Hours)

### UNIT II

#### Costumes of European Countries

European countries – Egypt, Greece, Roman, Norway, Sweden, Denmark, Scotland Austria, Germany, Hungary, Poland, Ukraine, Belarus and Netherlands. (11 Hours)

### UNIT III

#### Costumes of Far Eastern Countries

Far Eastern Countries – Mangolia, China, Taiwan, Hong Kong, Japan, North and South Korea, Srilanka, Pakistan, Burma, Thailand, Philippines, Malaysia, and Singapore. (12 Hours)

### UNIT IV

#### Costumes of Africa

Africa – costumes of North- Algeria, Egypt and Morocco. East- Kenya, Ethiopia, Madagascar. West- Nigeria and Gambia and South – Zimbabwe and Zambia. (12 Hours)

**UNIT V****Costumes of Middle East Countries**

Middle East Countries-Turkey and Iran, Pakistan, Kuwait, Oman, Saudi Arabia and costumes of Arab Peninsula. (12Hours)

**TEXT BOOK**

Phyllis, G. (2015). *Survey of historic costume*, 6<sup>th</sup> edition. U.S.A: Bloomsbury Publishing.

**REFERENCE BOOKS**

1. Carolyn, G. Bradley, (2001). *Western world costume an outline history*, Mineola: Dover Publications.
2. Dorling Kindersley, (2015). *Fashion, the ultimate book of costume and style*, London: Dorling Kindersley Limited.
3. Dr Vandana Bhandari, (2004). *Costumes, textiles and jewellery of India*, New Delhi; Prakash Books India Pvt Ltd.
4. Kemper Rache, H. (2010-11). *The history of costume*, New York: Public Art Encyclopedia of Architecture.
5. Mary, Houston., G.(2003). *Ancient greek, roman and byzantine costume*, Mineola: Dover Publications.
6. Vishu Arora, (2008). *Suvasas the beautiful costumes*, India: Abhishek Publication,

Course Code 20UCFE53	PO1		PO2		PO3	PO4		PO5	PO6	PO7
	PSO 1.a	PSO 1.b	PSO 2.a	PSO 2.b	PSO3	PSO 4.a	PSO 4.b	PSO5	PSO6	PSO7
CO1	H	H	M	M	L	M	-	M	-	-
CO2	H	H	M	M	L	M	-	M	-	-
CO3	H	H	M	M	L	H	-	M	-	-
CO4	H	H	M	M	L	H	L	M	-	-
CO5	H	H	M	M	L	H	L	M	-	-

Mrs. J.Athirstam  
Head of the Department

Mrs. J.Athirstam  
Course Designer



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VIRUDHUNAGAR - 626 001

### B.Sc. Costume Design and Fashion

(2020-2021 onwards)

Semester V	<b>Project</b>	Hours/Week: 0
Core Course -10		Credits: 1
Course Code 20UCFC5PR		100

### COURSE OUTCOMES

On completion of the course, students will be able to

- CO1: find out the innovative ideas in textiles and fashion and formulate objectives for the project work. [K3]
- CO2: apply the learned concepts and write the methodology for the project and collect data. [K3]
- CO3: make use of the technical skills and write the report for the developed products [K3]
- CO4: analyze the results and infer it. [K4]
- CO5: defend the project findings. [K5]

Students are expected to select a project in the field of Textiles and fashion. Two students can do one project. Minimum pages for project report should be 20 pages. Two typed copies of the report on the completed project will be submitted to the Controller of Examination through the Head of the department in the month of November during V semester. Evaluation will be done internally.

<b>Mode of Evaluation</b>	<b>Marks</b>
Project work and report	60
Presentation and Viva-Voce	40

Course Code	PO1		PO2		PO3	PO4		PO5	PO6	PO7
	PSO 1.a	PSO 1.b	PSO 2.a	PSO 2.b	PSO 3	PSO 4.a	PSO 4.b	PSO 5	PSO 6	PSO 7
20UCFC5PR CO1	H	H	H	M	H	M	M	H	-	L
CO2	H	H	H	H	H	M	M	H	-	L
CO3	M	M	H	H	H	M	M	H	-	L
CO4	M	M	H	H	H	M	M	H	-	L
CO5	M	M	H	H	H	M	M	H	-	L

Mrs.JAthirstam  
Head of the Department

Mrs.JAthirstam  
Course Designer





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VIRUDHUNAGAR - 626 001

### B.Sc. Costume Design and Fashion (2020-2021 onwards)

Semester V	<b>FASHION ACCESSORIES LAB</b>	Hours/Week: 1T 1P	
SEC – 4		Credits: 2	
Course Code <b>20UCFS51P</b>		Internal 40	External 60

#### COURSE OUTCOMES

On completion of the course, students will be able to

CO1: identify the raw materials needed for making fashionable accessories suitable for various occasions. [K3]

CO2: write the procedures to be followed in making of fashion accessories. [K3]

CO3: make use of the creative skills involved in making of fashion accessories. [K3]

CO4: prepare cost calculation and record for the fashion accessories. [K3]

CO5: analyze the new styles in fashionable accessories suitable for various occasions. [K4]

#### MAKING OF FASHIONABLE ACCESSORIES

- different types of wallets, belts and footwear
- different types bracelets, bangles, anklets and earrings
- different types hip chains, chains, head and hair bands
- different types of hand bags and pouches
- different types full bridal jewellery set

Industrial Visit.

#### REFERENCE BOOKS

1. Beazley, M. (2002). *Easy to make book vol: 1-vol: 18*. New York: Octopus Publishing Group.
2. Bina Ablin, Phyllis, G., & Tortora, (2008). *Encyclopedia of Fashion Accessories*, USA: student edition. Fairchild Books.
3. Campbell Harding, V. (2004). *Machine embroidery – stitch patterns*, Singapore: Kyodo Printing Co. Pvt. Ltd.
4. Octopus, H. (2001). *Professional skills made easy*, New York: Octopus Publishing Group.

Course Code 20UCFS51P	PO1		PO2		PO3	PO4		PO5	PO6	PO7
	PSO 1.a	PSO 1.b	PSO 2.a	PSO 2.b	PSO 3	PSO 4.a	PSO 4.b	PSO 5	PSO 6	PSO 7
	CO1	H	H	M	M	-	-	H	H	L
CO2	H	H	M	M	-	-	H	H	L	-
CO3	H	H	M	M	M	H	H	H	H	-
CO4	H	H	M	M	M	H	H	H	H	-
CO5	H	H	M	M	M	H	H	H	H	-

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Ms. L.Devimuthumari  
Course Designer



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VIRUDHUNAGAR - 626 001

### B.Sc. Costume Design and Fashion (2020 -2021 onwards)

Semester V	<b>TECHNICAL TEXTILES</b>	Hours/Week: 2	
SEC-5		Credits: 2	
Course Code <b>20UCFS52</b>		Internal 40	External 60

#### COURSE OUTCOMES

On completion of the course, students will be able to

CO1: describe the scope and importance of smart textiles, medial textiles, protective textiles, automotive textiles and geo textiles. [K1]

CO2: classify the types of technical textiles. [K2]

CO3: explain the functions of technical textiles. [K2]

CO4: identify the applications of textiles implanted with functional properties.[K3]

CO5: compare and contrast the technical textiles in different fields. [K4]

#### UNIT I

##### Technical Textiles

Definition, types and classification of technical textiles in different fields, growth and development of technical textiles, new trends in fibers, eco friendly and organic fibers. (6 Hours)

#### UNIT II

##### Smart Textiles

Definition, classification, types and fibers used in smart textiles, applications. Intelligent textiles – definition, classification, types and fibers used in intelligent textiles, applications. (6 Hours)

#### UNIT III

##### Medical Textiles

Definition, classification, types- implantable, non-implantable, health and hygiene, fibers used and their applications. (6 Hours)

#### UNIT IV

##### Protective Textiles

Definition, classification, types- bullet proof fabrics, fire retardant fabrics, high temperature fabrics, UV protective fabrics, electrical protective fabric and mechanical protective fabric, fibers used and its applications. (6 Hours)

## UNIT V

### Automotive and Geo Textiles

Textiles for automotive industry- definition, fibers used and its applications. Safety textiles – definition, types of safety devices – air bags and seat belts. Geo textiles – definition, fibers used and its applications. (6 Hours)

### TEXT BOOKS

1. Dr. Grace Annapoorani, S. ( 2017). *Technical textiles and its application, India: LASER Park Publishing House.*
2. Gopalarishnan , D., & Vinayagamurthi, P. (2019). *Technical textiles*, New Delhi: Daya Publishing House Astral International Pvt Ltd.

### REFERENCE BOOKS

1. Adanur, S. (2001). *Handbook of industrial textiles*, Lancaster: Technomic Publication.
2. Carbman, B.P. (2000). *Fiber to fabric*, international student's edition. Singapore: MC Graw Hill Book Co.
3. Dr. Grace Annapoorani, S. (2018). *Agro textiles and its application*, India: Wood head publishing ltd.
4. Horrocks, A. R., & Anand S.C. (2000). *Handbook of technical textiles*, Cambridge: Wood Head Publishing.
5. Kanna, M.C., & Hearle Hear, O. (2004). *Design and manufacture of textile composites: textile process*, Manchester: Textile Institute.
6. Scott, R.A (2005). *Textile for production: textile process*, Manchester: Textile Institute.

Course Code 20UCFS52	PO1		PO2		PO3	PO4		PO5	PO6	PO7
	PSO 1.a	PSO 1.b	PSO 2.a	PSO 2.b	PSO3	PSO 4.a	PSO 4.b	PSO5	PSO6	PSO7
CO1	H	H	M	M	L	-	L	M	-	-
CO2	H	H	M	M	L	-	L	M	-	-
CO3	H	H	M	M	M	-	L	M	-	-
CO4	H	H	M	M	M	-	L	M	-	-
CO5	H	H	M	M	L	-	L	M	-	-

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### B.Sc. Costume Design and Fashion

(2020-2021 onwards)

Semester V	<b>SUSTAINABLE TEXTILES</b>	Hours/Week: 0
Extra Credit Course		Credits: 2
Course Code 20UCFO51		100

### COURSE OUTCOMES

On completion of the course, students will be able to

CO1: show the concept of sustainability in textiles, textile finishing, dyeing and importance of sustainable fashion and bio technology in textiles.

CO2: classify the types of sustainability in textile dyeing and the methods of supply chain, textile production, finishing and sustainable fashion and the processing of bio technology in textiles.

CO3: utilize the principles of eco design, eco labels and applications of sustainable textile finishing, dyeing and enzymatic textile processing.

CO4: analyze the factors to be considered in the improvement of dyeing, eco design, eco labels and enzymatic textile processing and sustainable fashion.

CO5: interpret the new trends in sustainable textiles.

#### Unit I

Sustainability and eco design – introduction, definition and significance. Supply chain process and the environment in textiles and clothing –increasing environmental awareness.

#### Unit II

Sustainable textile production – sustainability issues in textile finishing. Key environmental drivers in the textile industry- legislation, eco labels, environmental management system.

#### Unit III

Sustainability in textile dyeing- key factors for improving in dyeing, extraction for natural dyeing, ultra sonic and micro wave extraction, enzymatic extraction, solvent extraction, super critical CO2 extraction.

#### Unit IV

Sustainable fashion– definition, importance of sustainable fashion -repurposed, recycled textiles, suitability in fashion retailing, green washing and eco fashion designer

## Unit V

Bio technology in textile processing - enzyme application, life cycle assessments of enzymes used in textile industry, bio desizing, bio scouring, bio bleaching, bio polishing, bio stoning, enzymatic degumming and enzymatic retting, future trends and application.

### TEXT BOOK

Summer Rayne Oakes, (2009). *Style naturally*, California: Chronicle Books LLc.

### REFERENCE BOOKS

1. Alison Gwilt, & Timo Rissanen, (2012). *Shaping sustainable fashion changing the way we make and use cloths*, United Kingdom: Routledge.
2. Janace, E. Bubonia, (2014). *Apparel quality a guide to evaluating sewn product*, USA: Fair Books Publications.
3. Jennifer Farley Gordon, Collean hill, (2014). *Sustainable fashion*, London: Past, Present and Future, Bloomsbury Publishing.
4. Jochen Strable (2016). *Green fashion retail*, United Kingdom: Springer publication.
5. Miraftab, M., & Horrocks, A.R. (2007). *Eco textiles, the way forward for sustainable development in textiles*, England: Wood Head Publishing Ltd.
6. Stanley Bernard Brahams. (2016). *The fundamentals of quality assurance in textile industry*, USA: Productivity Press Publications.

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VIRUDHUNAGAR - 626 001

### B.Sc. Costume Design and Fashion (2020-2021 onwards)

Semester VI	<b>PATTERN DRAFTING AND CONSTRUCTION FOR ADULT WEAR II</b>	Hours/Week: 5	
Core Course – 11		Credits: 4	
Course Code <b>20UCFC61</b>		Internal 25	External 75

### COURSE OUTCOMES

On completion of the course, students will be able to

CO1: show the different models of adult wear through illustration and list down the technical terms and components for it. [K1]

CO2: explain the drafting procedure for various adult wear with different features. [K2]

CO3: find out the cutting line, construction techniques, prepare layout, estimate the cloth and calculate the cost for various adult wear. [K3]

CO4: analyze the new trends and draft pattern for various adult wear. [K4]

CO5: select the latest collection of fabric and create new models of adult wear. [K5]

### UNIT I

Illustrating, drafting, pattern making, lay out preparation, stitching procedure and material calculation for – maxi, nighty, cut blouse, boat neck blouse with back open model and coat model blouse. (14 Hours)

### UNIT II

Illustrating, drafting, pattern making, lay out preparation, stitching procedure and material calculation for - princess cut blouse, high neck blouse, raglan sleeve blouse, katori blouse and wrap around front knotted blouse. (15 Hours)

### UNIT III

Illustrating, drafting, pattern making, lay out preparation, stitching procedure and material calculation for - jamaica shorts, pedal pusher, ladies flared pant and dungarees. (15 Hours)

### UNIT IV

Illustrating, drafting, pattern making, lay out preparation, stitching procedure and material calculation for – full hand shirt, waist coat, kalidar kurta, Nehru jacket, S.B waist coat, shrug and sharwani. (16 Hours)



**UNIT V**

Illustrating, drafting, pattern making, lay out preparation, stitching procedure and material calculation for – shorts, bermudas, trousers and jeans. (15 Hours)

**TEXT BOOK**

Joseph Armstrong, H. (2013) *Pattern making for fashion design*, 5<sup>th</sup> edition. India: Pearson Education.

**REFERENCE BOOKS**

1. Alison Smith, (2021). *The dressmaking book*, UK: DK publications.
2. Alison Smith, (2021). *Sew your own wardrobe*, UK: DK publications.
3. JO Barnfield, & Andrew Richards, (2012). *The pattern making primer*, USA: B.E.S Publications.
4. Jennifer Lynne Mathews. (2018). *Pattern design fundamentals*, India: Fairbank publishing LLC.
5. Wendy Ward (2014). *The beginner's guide to dress making*, United Kingdom: David & Charles.
6. Zarapkar, S. K. (2009). *Zarapkar system of cutting*, India: Navneet Publications Ltd.

Course Code 20UCFC61	PO1		PO2		PO3	PO4		PO5	PO6	PO7
	PSO 1.a	PSO 1.b	PSO 2.a	PSO 2.b	PSO 3	PSO 4.a	PSO 4.b	PSO 5	PSO 6	PSO 7
CO1	H	H	M	M	M	M	M	L	L	-
CO2	H	H	M	M	M	M	M	M	L	-
CO3	H	H	M	M	M	H	H	L	M	-
CO4	H	H	M	M	M	H	H	L	H	-
CO5	M	M	M	M	M	M	H	M	H	-

Mrs.J.Athirstam  
Head of the Department

Mrs.J.Athirstam  
Course Designer



## V.V.VANNIAPERUMAL COLLEGE FOR WOMEN

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VIRUDHUNAGAR - 626 001

### B.Sc. Costume Design and Fashion (2020 -2021 onwards)

Semester VI	<b>COMPUTER AIDED DESIGNING</b>	Hours/Week: 5	
Core Course – 12		Credits: 4	
Course Code <b>20UCFC62</b>		Internal 25	External 75

### COURSE OUTCOMES

On completion of the course, students will be able to

CO1: show the basic concept of computer, CIM and the tools used for designing, pattern making, marking and fabric enrichment in an apparel industry. [K1]

CO2: illustrate the types and functions of CIM and software used for designing, pattern making, marking and fabric enrichment used in an apparel industry. [K2]

CO3: identify the techniques involved in designing a garment by using CAD, CIM, CAM and the software used in an apparel industry. [K3]

CO4: compare and contrast the usage of tools and the software used in an apparel industry. [K4]

CO5: interpret the latest advancements in software for designing a garment. [K5]

### UNIT I

#### Basics of Computer and Computer Integrated Manufacturing

Computer - internal part. Organization of computers- input and output units, central processing unit and memory unit. Computer integrated manufacturing- introduction, definitions, nature and role of the elements of CIM, benefits of CIM in apparel industry. (12 Hours)

### UNIT II

#### Software in Fashion Designing

Corel draw – meaning, corel draw terms, Application window. Standard tool bars. Application of tools in designing - pick tool, shape edits tools, crop tools, zoom tools, curve tools, smart tools, rectangle tools, ellipse tools, object tools, basic shapes tools, text tool, table tool, dimension tools, connector tools, interactive tools, eye dropper tools, outline tool, fill tool and interactive fill tool.

Colour graphics in clothing design – meaning, colour theory, psychology of colour in design, importance of colour choice, use of colours in graphic design. (15 Hours)

### UNIT III

#### Computer Aided Designing

CAD – introduction – CAD - in fashion and clothing Designing- idea, sketching, visualizing the design before production of apparels. Essential fashion designing softwares. Computer aided garment manufacturing – plotting, spreading, cutting, sewing and assembling.

Surface ornamentation. Computerized pattern making, grading and marker planning- pattern making- types- 2D pattern making, 3D pattern making, computer pattern making and its advantages. Computerized pattern grading – data collection, data processing, data presentation and system requirement. Computerized marker planning. Relevant software packages. (18Hours)

### UNIT IV

#### Software in Pattern Designing

Introduction - Gerber in apparel and retail - product design - product life cycle management software - pattern design software - advantages of accumark software. Marker making - plotting and digitizing - material spreading - support and service. Gerber in upholstery. Gerber in technical textiles. Gerber in transportation interiors. (15 Hours)

### UNIT V

#### Software in Embroidery and Fabric Designing

Embroidery – meaning, types of embroidery machines – free motion embroidery and computerized embroidery. Benefits of using computerized embroidery machines. Steps to create computerized embroidery. Fabric design - introduction – CAD and CAM Software for fabric designing-application areas-system requirements. CAD and CAM module for dobby design. CAD/CAM module for jacquard design. CAD and CAM module for fabric printing. (15 Hours)

### TEXT BOOK

Stott, M. (2012). *Pattern cutting for clothing using CAD*, United Kingdom: Wood Head Publishing.

### REFERENCE BOOKS

1. Groover, M., & Zimmers, E. (2012). *CAD/CAM: Computer aided design & manufacturing*, India: Pearson Publications.
2. Ibrahim Zeid, (2006). *Mastering CAD/CAM*, 2<sup>nd</sup> edition. India; MC Graw hill Education.
3. Josephine Steed, & Frances Stevenson, (2012). *Basics textile design 01: sourcing ideas: researching colour, surface, structure, texture and pattern paperback*, India : Bloomsbury Publishing Private Limited.
4. Melanie Bowles, Ceri Isaac, (2012). *Digital textile design*, 2<sup>nd</sup> edition, England: Laurence King Publishing.

Course Code 20UCFC62	PO1		PO2		PO3	PO4		PO5	PO6	PO7
	PSO 1.a	PSO 1.b	PSO 2.a	PSO 2.b	PSO3	PSO 4.a	PSO 4.b	PSO5	PSO6	PSO7
CO1	H	H	L	M	L	H	H	H	-	-
CO2	H	H	L	M	L	H	H	H	-	-
CO3	H	H	L	M	M	H	H	H	-	-
CO4	H	H	L	M	M	H	H	H	-	-
CO5	H	H	L	M	M	H	H	H	-	-

Mrs.J.Athirstam  
Head of the Department

Ms. S.Dhivya  
Course Designer



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VIRUDHUNAGAR - 626 001

### B.Sc. Costume Design and Fashion (2020-2021 onwards)

Semester VI	<b>TRADITIONAL COSTUMES AND INDIAN TEXTILES</b>	Hours/Week: 5	
Core Course – 13		Credits: 4	
Course Code <b>20UCFC63</b>		Internal 25	External 75

#### COURSE OUTCOMES

On completion of the course, students will be able to

- CO1: recall the history, origin, significance, signature and evolution of textiles, costumes, printing, dyeing, accessories and embroideries of Indian heritage. [KI]
- CO2: classify the types and methods of traditional Indian textiles, costumes and embroideries and indicate the famous traditions followed in various periods and states of India. [K2]
- CO3: find out the usage and techniques involved in making of Indian textiles, costumes, accessories, embroideries, printing and dyeing for various periods and regions of India. [K3]
- CO4: differentiate the traditional costumes and Indian textiles and analyze the care and maintenance of it. [K4]
- CO5: assess the present scenario of traditional Indian textiles, costumes, accessories, printing, dyeing and embroideries especially in context with contemporary usage and designs. [K5]

#### UNIT I

##### Textiles for Various Periods and Regions

Indus valley, Vedic, Mauryan and Sunga period. Maharashtra - paithani, narayanpeth, khan, mashru and himroo. Uttar Pradesh - banarasi brocade. West Bengal - jamdani, daccai jamdani, tangail jamdani, nilambari, shantipuri, tant –cotton, baluchari, coddial, vishnupuri and murshidabad printed silk. (15Hours)

#### UNIT II

##### Traditional Indian Textiles

Assam - Muga silk, and pat. West Orissa - sambalpuri. Southern Orissa - bomkai. Madhya Pradesh – chanderi and maheshwari. Andhra Pradesh - venkatigiri, uppada, mangalgiri, madhavaram, chirala, gadwal, bandarulanka, bandar, dharmavaram and pochampally. Gujarat – patola and tanchoi silk. Tamil Nadu – kanchipuram silk, and sungadi cotton. Karnataka - mysore silk and ilkal. Rajasthan- kotadoria. Bihar- bhagalpuri and tussar silk. Himachal Pradesh- pashmina shawls. (15Hours)

### UNIT III

#### Traditional Printed and Dyed Textiles

Printed textiles - block printing, stencil printing, batik printing, roghan printing and other printed and painted textiles - kalamkari, ajrakh, matani pachedi, pabuji-ka-pad, varakgold leaf printing, dabu print, bagru print, gold and silver khari print and bagh print. Dyed textiles - ikat, patola, bandhani, laharua, mashru, tie and dye. (15 Hours)

### UNIT IV

#### Embroideries of India

Kantha of Bengal, kashida of Bihar, kutch and Kathiawar of Gujarat, kasuti of Karnataka, kashida of Kashmir, banjara embroidery of Andhra Pradesh, gota and rabari of Rajasthan, pipli of Orissa, chambarumal of Himachal Pradesh, Pulkari of Punjab, chikankari of Uttar Pradesh. (15 Hours)

### UNIT V

#### Costumes and Accessories of India

Introduction to Traditional Indian costumes and accessories of Uttar Pradesh, Madhya Pradesh, Rajasthan, Gujarat, Maharashtra, Punjab, Jammu and Kashmir, Himachal Pradesh, Andhra Pradesh, Karnataka, Kerala and Tamil Nadu. (15 Hours)

### TEXT BOOK

1. Tyagi, A. (2016). *Traditional Indian textiles*. New Delhi: Sonali Publications.

### REFERENCE BOOKS

1. Dr.Bhatnagar, P. (2004). *Traditional Indian and textiles*, Chandigarh: Published by Abishek Publications.
2. Dhamija, J. & Jyotindra, J. (2002). *Hand woven fabrics of India*, Ahmadabad: Mapin Publishing Pvt. Ltd.
3. Laver, J. & Cancise, P. (2002). *Costume and fashion*, London: History Published by Thames and Hudson.
4. Shailaja D. & Naik, D. (2020). *Traditional embroideries of India*, South Asia: A.P.H. Publishing Corporation.
5. Sodhia, M. (2000). *History of fashion*, New Delhi: Kalyani Publishers.

Course Code 20UCFC63	PO1		PO2		PO3	PO4		PO5	PO6	PO7
	PSO 1.a	PSO 1.b	PSO 2.a	PSO 2.b	PSO3	PSO 4.a	PSO 4.b	PSO5	PSO6	PSO7
CO1	H	M	H	H	-	M	H	M	-	L
CO2	H	M	H	H	-	M	H	M	-	L
CO3	H	L	H	H	-	M	H	H	-	M
CO4	H	L	H	H	L	M	H	H	-	M
CO5	H	L	H	H	L	M	H	H	-	M

Mrs. J.Athirstam  
Head of the Department

Mrs. J.Athirstam  
Course Designer



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**VIRUDHUNAGAR - 626 001**

### B.Sc. Costume Design and Fashion

(2020-2021 onwards)

Semester VI	<b>ADULT WEAR LAB</b>	Hours/Week: 3	
Core Practical – 6		Credits: 3	
Course Code <b>20UCFC61P</b>		Internal 40	External 60

### COURSE OUTCOMES

On completion of the course, students will be able to

CO1: utilize the principles and develop the paper patterns for various adult wear. [K3]

CO2: identify the construction procedure for the designed adult wear. [K3]

CO3: construct various models of adult wear. [K3]

CO4: calculate the cost of the constructed adult wear and prepare record. [K3]

CO5: analyze the new trends in making apparels for adults. [K4]

#### Women's Apparel Making

- Apron
- Cape
- Six panel petticoat
- Ghagra / skirt variations
- Choli/ tops variations
- Salwar variations
- Kameez variations

Industrial Visit.

#### Women's Apparel Making

- Maxi variations
- Nighty variations
- Blouse variations
- Full hand shirt variations
- Dungarees
- Shorts or Bermudas.

Industrial Visit.



**REFERENCE BOOKS**

1. Alison Smith. (2021). *The dressmaking book*, UK: DK publications.
2. Joseph Armstrong, H. (2013). *Pattern drafting for fashion design, 5<sup>th</sup> edition*. India: Pearson Education.
3. Wendy Ward (2014). *The beginner's guide to dress making*, United Kingdom: David & Charles.
4. Zarapkar S.K. (2009). *Zarapkar system of cutting*, India: Navneet Publications.

Course Code 20UCFC61P	PO1		PO2		PO3	PO4		PO5	PO6	PO7
	PSO 1.a	PSO 1.b	PSO 2.a	PSO 2.b	PSO3	PSO 4.a	PSO 4.b	PSO5	PSO6	PSO7
CO1	H	H	M	H	H	H	H	H	M	-
CO2	H	H	M	H	H	H	H	H	M	-
CO3	H	H	M	H	H	H	H	H	H	-
CO4	H	H	H	H	H	H	H	H	H	L
CO5	H	H	H	H	H	H	H	H	H	L

Mrs.J.Athirstam  
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### B.Sc. Costume Design and Fashion (2020 -2021onwards)

Semester VI	<b>DRAPING TECHNIQUES AND COMPUTER AIDED DESIGNING LAB</b>	Hours/Week: 3	
Core Practical 7		Credits: 3	
Course Code <b>20UCFC62P</b>		Internal 40	External 60

#### COURSE OUTCOMES

On completion of the course, students will be able to

CO1: prepare the pattern and find out the tools used for designing a garment. [K3]

CO2: write the procedures involved in making a garment. [K3]

CO3: make use of the creative skills to drape and utilize the theme to design the attire. [K3]

CO4: prepare record for designed garments. [K3]

CO5: analyze the new styles in draping and designing the fashionable attire. [K4]

#### List of Draping

Draping of basic bodice back.

Draping of basic bodice front.

Draping of dart variations - waistline dart and French dart.

Draping of fullness - pleats and gathers.

Draping of neckline variations - cowl neckline and halter neckline.

Draping of yoke variations - bodice yoke and hip yoke.

Draping of collar variations - convertible, peter pan and stand collar.

Draping of sleeve variations – plain sleeve and raglan sleeve.

Draping of skirt variations - basic skirt and ballet, yoke skirt with gathers and flare.

Draping of bodice blocks variations -butterfly twist, strapless top and gibson bodice

Draping of gown variations – wedding gown

Drape an innovative garment with fullness

Industrial visit.

**Create the Following Designs**

TUKA CAD Software.

Pattern and layout for children garments - zabra, baba suit and petticoat.

Pattern and layout for women's garment – six panel petticoat, salwar, kameez, midi and top

COREL DRAW Software.

Motifs/ Small design for Kerchief and Necklines.

Styles of children garments - sun suit, night dress, poncho, and frock

Styles of women's garment –sharvani, dangaries, flared pant, maxi and blouse.

Theme based garment using COREL DRAW and PHOTO SHOP software.

Industrial Visit.

**REFERENCE BOOKS**

1. Connie Amaden, C. (2005). *The art of fashion draping*. 3<sup>rd</sup> edition. U.S.A: Laurence King Publishing.
2. Josephine Steed, & Frances Stevenson, (2012). *Basics textile design 01: sourcing ideas: researching colour, surface, structure, texture and pattern paperback*, India : Bloomsbury Publishing Private Limited.
3. Kiisel Karolyn, H. (2013). *Draping: the complete course*, U.S.A: Laurence King Publishing.
4. Melanie Bowles, Ceri Isaac, (2012). *Digital textile design, 2<sup>nd</sup> edition*, England: Laurence King Publishing.

Course Code 20UCFC62P	PO1		PO2		PO3	PO4		PO5	PO6	PO7
	PSO 1.a	PSO 1.b	PSO 2.a	PSO 2.b	PSO3	PSO 4.a	PSO 4.b	PSO5	PSO6	PSO7
CO1	H	H	M	M	M	H	H	H	M	-
CO2	H	H	M	M	M	H	H	H	M	-
CO3	H	H	M	M	H	H	H	H	M	-
CO4	H	H	M	M	H	H	H	H	M	-
CO5	H	H	M	M	H	H	H	H	M	-

Mrs.J.Athirstam  
Head of the Department

Ms.S.Dhivya  
Course Designer



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### B.Sc. Costume Design and Fashion

(2020 -2021 onwards)

Semester VI	<b>TEXTILES AND TRADITIONAL INDIAN EMBROIDERIES LAB</b>	Hours/Week: 2	
Core Practical 8		Credits: 2	
Course Code <b>20UCFC63P</b>		Internal 40	External 60

### COURSE OUTCOMES

On completion of the course, students will be able to

CO1: identify the different types of fibre, fabric, traditional motives and colour threads suitable for Indian embroideries. [K3]

CO2: write the procedure to be followed in testing the textiles and making of Indian embroideries. [K3]

CO3: make use of the technical skills needed for testing the textiles and making different stitches for various states of India. [K3]

CO4: calculate the cost for the traditional Indian embroideries and find out the results for the textile testing and prepare record. [K3]

CO5: analyze the changes that occur in testing the textiles and embroideries followed in various states of India. [K4]

### List of Experiments

Identify the types of fibre by microscopic test and burning test – cotton, silk, polyester and rayon.

Geometrical properties of yarn – count using beesley balance.

Identification of different types of yarn by using wrap reel.

Analysis of different weaves by pick glass - plain, twill, sateen, and honey comb.

Identify the physical properties by fabric by using tearing strength tester and stiffness tester.

Preparatory process of fabric- desizing, scouring and bleaching.

Preparation of dyeing process- direct dye, reactive dye, vat dye and naphthol dye –cotton. Basic dye and acid dye – wool, silk and nylon. Disperse dye – polyester.

Dyeing of a fabric by tie and dye method using cotton, polyester and silk.

Batik printing in cotton fabric.

Printing of fabric - stencil, screen and block.

Industrial Visit.

### Traditional Indian Embroideries

- Kantha of Bengal
- Kashida of Bihar and Kashmir
- Kutch and mirror of Gujarat
- Kasuthi of Karnataka
- Chikankari of Uttar Pradesh
- Phulkari of Punjab

Industrial Visit.

### REFERENCE BOOKS

1. Bhatnagar, P. (2004). *Traditional Indian and textiles*, Chandigarh: Published by Abhishek Publications.
2. Haxell, K., & Charles, D. (2012). *A comprehensive guide to 225 embroidery stitches and techniques*, U.K: The Stitch Bible.
3. Kooler, D. (2000). *Donna encyclopedia of needlework*, U.S.A: Leisure Art Inc.
4. Shailaja D., & Naik, D. (2020). *Traditional embroideries of India*, South Asia: A.P.H. Publishing Corporation.
5. Smith, J.L. (2003). *Textile processing*, Chandigarh: Abhishek Publications.
6. Sodhia, M. (2000). *History of fashion*, New Delhi: Kalyani Publishers.

Course Code 20UCFC63P	PO1		PO2		PO3	PO4		PO5	PO6	PO7
	PSO 1.a	PSO 1.b	PSO 2.a	PSO 2.b	PSO3	PSO 4.a	PSO 4.b	PSO5	PSO6	PSO7
M CO1	H	H	H	H	M	L	L	L	-	-
CO2	H	H	H	H	M	L	L	L	-	-
CO3	H	H	H	H	M	M	M	M	-	M
CO4	H	H	H	H	M	M	M	M	-	M
CO5	H	H	H	H	M	M	M	M	-	M

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Course Designer



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**VIRUDHUNAGAR - 626 001**

**B.Sc. Costume Design and Fashion**

**(2020 -21 onwards)**

Semester VI	<b>CULINARY ART</b>	Hours/Week: 5	
DSEC – 2		Credits: 4	
Course Code <b>20UHSE61</b>		Internal 25	External 75

### COURSE OUTCOMES

On completion of the course, students will be able to

- CO1: state the concept and definition of culinary art, cooking, equipment, menu, food services, food preparations, table appointments, stocks, soups, sauces, custards, salads, garnishes, sections of kitchen, job description, attributes and etiquette of kitchen personal. [K1]
- CO2: discuss the types of cuisine, cookery, equipment, menu, food service, stock, soup, sauce, custard, salad, sections of kitchen, napkin folding, job description and attributes. [K2]
- CO3: discover the history of culinary services and write the criteria for selecting different tools and equipment, methods and importance of preparing stock, soup, sauce, custard, salad, napkin and duties, styles of food services and responsibilities of various chefs in kitchen. [K3]
- CO4: analyse the advantages and disadvantages of cookery, care and maintenance of equipment, table appointment, menu planning, standards for quality sauces, ingredients used in stocks, soups, sauce, custard, salad, job description of kitchen personnel and coordination of kitchen with other departments. [K4]
- CO5: predict the culinary art practices in different regions of India. [K5]

### Unit I

Culinary art – definition – objectives - history of culinary services. Different cuisines - Indian regional cuisines and popular International cuisines- French, Italian and Chinese cuisines.

Cooking aims and objectives of cooking - different cooking methods, basic food preparation techniques - advantages and disadvantages. (15 Hours)

### Unit II

Equipment used in culinary services- equipment - heat generating equipment, cold generating equipment and other equipment - care and maintenance. Table service tools and equipment - criteria for selecting different tools. Table ware - flat ware, cutlery, hollow ware and glassware crockery.

(15 Hours)

### Unit III

Menu - types of menu, menu classification on the basis of price, menu classification on the basis of schedule, menu classification on the basis of meal time, french classical menu and menu planning styles of services - Buffet service, English service, Russian and French service.

Table Appointments - table linen, table cloths, placemats, table runners, table napkins, functions of table napkins, choice of table linen, table layout, napkin folding, waiting at table and table manners.

(15 Hours)

### Unit IV

Stocks - principles of stock making and types of stock. Soups - definition, classification – national / international soups and preparation of soups. Sauce - importance of sauces in food preparation, standards for quality sauces, classification, tips for making a good sauce, sauces used in different cuisines, additional seasoning and flavoring ingredients used in sauces. Custards - different types of sweet and savoury custards - baked custards - jelly and glaze preparation - brine, curing, marinades-seasoning and sandwiches. Salad and garnishes.

(15 Hours)

### Unit V

Hierarchy of food service establishments - sections of kitchen - larder section, sauce section, roast section, vegetable section, soup section, Indian section and pastry section. .

Duties and responsibilities of various chefs in kitchen - job description - design, uses, job description of kitchen staff, executive chef, sous chef, pastry chef , kitchen executive, chef de partie , demi-chef de partie, commis and job chef garde manger.

Attributes, attitude and etiquettes of kitchen personal - physical attributes, work related attributes , attitude of kitchen staff, etiquette of kitchen staff and coordination of kitchen with other departments.

(15 Hours)

#### Field Visit

- Visit to hotels

### References

- 1.Andrews, S. (2008). *Textbook of front office management and operations*, 3<sup>rd</sup> edition, New York: Delmar publication, a division of thomson learning Inc.
- 2.Arora, R.K. (2007), *Food service and catering management*, Kinton : APH publishing Co-
- 3.Hoffman, P. (2007). *Southern lady gracious tables -the perfect setting for any occasion.*, 1<sup>st</sup> edition, William morrow publishers.
- 4.James, A.B. (2010). *Hotel front office management*, USA: Wiley publication.
- 5.Jeremy, M.V. (2008). *International cuisine*, Cengage learning publishers. operation.
- 6.Thomas, J.A. (2008). *Professional management of housekeeping operation*, 5<sup>th</sup> edition.
- 7 Yadav, M.K. (2010). *Textbook of hotel front office*. Aman publication.

Course Code 20UHSE61	PO1		PO2		PO3	PO4		PO5	PO6	PO7
	PSO 1.a	PSO 1.b	PSO 2.a	PSO 2.b	PSO 3	PSO 4.a	PSO 4.b	PSO 5	PSO 6	PSO 7
CO1	M	M	L	M	M	L	L	M	-	-
CO2	M	M	L	M	M	L	L	M	-	L
CO3	H	H	L	H	H	H	H	M	-	M
CO4	H	H	L	H	H	H	H	H	L	M
CO5	H	H	L	H	H	M	H	H	L	M

Dr.D.Vijayarani

Head of the Department

Mrs.S.Balasarawathi

Mrs. B.Ameena Beebi

Course Designers





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**VIRUDHUNAGAR - 626 001**

### B.Sc. Costume Design and Fashion (2020-2021 onwards)

Semester VI	<b>PREPECTIVES OF TEXTILES AND FASHION</b>	Hours/Week: 5	
DSEC – 2		Credits: 4	
Course Code <b>20UCFE62</b>		Internal 25	External 75

#### COURSE OUTCOMES

On completion of the course, students will be able to

CO1: state the concept and importance of textile testing and technical textiles recall the history of fashion accessories and embroideries and list the characteristics of knitted fabrics. [K1]

CO2: classify the types of knitting, textile testing, technical textiles, embroideries and fashion accessories and write the functions of textile testing and knitting. [K2]

CO3: find out the applications of textile testing, technical textiles, embroidery threads and fashion accessories and find out the techniques involved in knitting process. [K3]

CO4: analyze the changes occur in textile testing, factors to be considered in selection of fashion accessories, defects in stitches and differentiation in perspectives of textiles and fashion. [K4]

CO5: interpret the new trends in the perspectives of textiles and fashion. [K5]

#### UNIT I

##### KNITTING

Knitting – types - jacquard knitting, weft knitting and warp knitting, – definition, types of machineries and mechanisms. Characteristics and defects of warp and weft knitted fabric. Difference between warp and weft knitting. (15 Hours)

#### UNIT II

##### TEXTILE TESTING

Textile testing– definition, purpose and general aspects. Types, functions and applications of yarn testing – lea strength tester. Fabric testing –tensile strength tester, bursting strength, thickness gauge, grams per square meter (GSM) cutter, abrasion resistance and crease recovery. Colour Fastness – crock meter, perspirometer, launder meter and light fastness tester. (16 Hours)

### UNIT III

#### TECHNICAL TEXTILES

Technical textiles – definition, classification and types of fibers used in sports tech, oak tech, cloth tech and pack tech and their applications. (14 Hours)

### UNIT IV

#### NEEDLE ART

Embroidery-Introduction, history, tools and general rules. Methods to transfer embroidery design and applications of threads. Types and methods of outline stitches – running and its variations, back and its variations, chain and its variations. Filling stitches – satin, herring bone, fishbone and long and short. Knotted stitches - double knot, bullion knot and french knot. Common defects in embroidery stitches. (15 Hours)

### UNIT V

#### FASHION ACCESSORIES

Fashion accessories - history, styles selection and usage - hand bag, foot ware, hat, watches, eye wear and jewellery. Cosmetics and fragrances- categories and their applications. (15 Hours)

#### TEXT BOOKS

1. Elliot, B. Grover & Hamby, D.S. (2011). *Hand book of textile testing and quality control*, New Delhi: Wiley Pvt Ltd.

#### REFERENCE BOOKS

1. Betty barden, (2003). *The embroidery stitch*, Kent: Search Press.
2. Dr Kin –fan au, (2011). *Advanced knitting technology*, New Delhi: Wood Head Publishing Ltd.
3. Dr Anbumani, N (2007). *Knitting fundamentals, machines, structures, developments*, New Delhi: New age International Publishing.
4. Gopalarishnan, & Vinayagamurthi, P. (2019). *Technical Textiles*, New Delhi: Daya Publishing.
5. Horrocks, A.R. & Anand, S.C. (2000). *Hand book of technical textiles*, England: The Textiles Institute, Wood Head Publishing Ltd.
6. Olivier gerval, (2009). *Fashion accessories*, Great Britain: A&C Black Publishing.

Course Code 20UCFE62	PO1		PO2		PO3	PO4		PO5	PO6	PO7
	PSO 1.a	PSO 1.b	PSO 2.a	PSO 2.b	PSO 3	PSO 4.a	PSO 4.b	PSO 5	PSO 6	PSO 7
CO1	H	H	H	M	M	L	M	L	-	-
CO2	H	H	H	M	M	L	M	L	-	-
CO3	H	H	H	M	M	M	M	M	-	-
CO4	H	H	H	M	L	M	M	M	-	-
CO5	H	H	H	M	L	M	M	M	-	-

Mrs.J.Athirstam  
Head of the Department

Ms.U.Renukadevi  
Course Designer



## V.V.VANNIAPERUMAL COLLEGE FOR WOMEN

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**VIRUDHUNAGAR - 626 001**

### B.Sc. Costume Design and Fashion (2020 -2021 onwards)

Semester VI	<b>APPAREL QUALITY AND MANAGEMENT</b>	Hours/Week: 5	
DSEC – 2		Credits: 4	
Course Code <b>20UCFE63</b>		Internal 25	External 75

#### COURSE OUTCOMES

On completion of the course, students will be able to

- CO1: show the concept and importance of quality and cost control and management in an apparel industry. [K1]
- CO2: illustrate the types, functions and methods of costing, quality control and production planning, packaging, warehousing and shipping in an apparel industry.[K2]
- CO3: identify the techniques involved in quality, cost control management and production control in garment industry. [K3]
- CO4: analyze the factors to be considered in quality control from raw material to finished garment in an apparel industry. [K4]
- CO5: interpret the changes that occur in quality inspection, cost and production control in an apparel industry. [K5]

#### UNIT I

##### Quality Management

Definition of quality and quality control. Quality control department. Scope of quality control – establishing merchandising standards – establishing raw material quality. (14 Hours)

#### UNIT II

##### Quality Control Specifications

Establishing processing quality specification, training quality control personnel, the quality standard control – quality control inspection, procedures for processing – quality control of finished garments. (15 Hours)

#### UNIT III

##### Quality Control for Packaging, Warehousing and Shipping

Quality control and government contacts. Quality control for packaging, warehousing and shipping. Statistical quality control. Sampling plans. (14 Hours)

**UNIT IV****Production Plan and Control**

Functions of production control, production analysis – quality specifications, qualitative specification and quantitative production. Scope of apparel manufacturing activity, coordinating departmental activities, distribution of document and records. Production system – introduction, types of control forms basic production system, principles for choosing a production system and evaluating production system. (16 Hours)

**UNIT V****Cost Control and Quality Control Management**

Functions of cost control, types of costs and expenses – apparel manufacturing cost categories, sales cost control, purchasing cost control, production cost control and administration cost control. Cost control and ISO in quality control management - cost ration policies, manufacturing budget, cash flow control, standard cost sheet and break even charts. ISO 9000, 14000 and SA 8000. (16Hours)

**TEXT BOOK**

Seema Kapoor, (2016). *Apparel manufacturing technology*, New Delhi: Sonali Publications.

**REFERENCE BOOKS**

1. Chulter, A.J. (1998). *Introduction to clothing production management*, UK: Blackwell Science.
2. Gibson Vedomani, G. (2003). *Retail management*, Bangalore: Jaico Publishing House.
3. Janace, E., & Bubonia, (2014). *Apparel quality a guide to evaluating sewn product*, USA: Fair Books Publications.
4. Mehta Pradip, V. (2001). *Quality control in apparel industry*, New Delhi: NIFT Pub.
5. Stanley Bernard Brahams, (2016). *The fundamentals of quality assurance in textile industry*, USA: Productivity Press Publications.

Course Code 20UCFE63	PO1		PO2		PO3	PO4		PO5	PO6	PO7
	PSO 1.a	PSO 1.b	PSO 2.a	PSO 2.b	PSO3	PSO 4.a	PSO 4.b	PSO5	PSO6	PSO7
CO1	M	M	H	H	-	-	-	M	H	M
CO2	M	M	H	H	-	-	-	M	H	M
CO3	H	M	H	H	-	-	-	M	H	M
CO4	H	M	H	H	-	-	-	M	H	M
CO5	H	M	H	H	-	-	-	M	H	M

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### B.Sc. Costume Design and Fashion (2020-2021 onwards)

Semester VI	<b>FASHION PORTFOLIO AND DESIGN COLLECTION LAB</b>	Hours/Week: 1T 1P	
SEC-6		Credits: 2	
Course Code <b>20UCFS61P</b>		Internal 40	External 60

### COURSE OUTCOMES

On completion of the course, students will be able to

CO1: develop patterns for various garments with suitable themes. [K3]

CO2: write the stitching procedure for the designed garments. [K3]

CO3: construct the designed garments according to the selected themes. [K3]

CO4: prepare the record with mood board, story board, theme board and colour board for the designed garments and calculate its cost.[K3]

CO5: analyze the collections of mood board, story board, theme board and colour board for the designed garments. [K4]

1. An individual portfolio presentation based on a theme
  - a. Portfolio should have minimum 2 collections of 5 ensembles (3 wearable-children, women, men and 1 non wearable)
  - b. Portfolio should include development of story board, mood board, theme board, colour board, texture board, swatch board, logo, design development board–costing, customer profile, specification sheet, development of garments by drafting.
  - c. Produce one collection from the portfolio and to be presented as fashion show.
2. Preparation of concept boards for four seasons of three ensembles each.

Industrial Visit

### REFERENCE BOOKS

1. Anne, A., & Julian, S. (2000). *Fashion drawing*, London: The Basic Principles, BT Batsford.
2. Drudi, E. (2011). *Figure drawing for fashion design*, Amsterdam: The Pepin Press.
3. Faerm Steven, (2012). *Design Your Fashion Portfolio Paperback*, United States: Bloomsbury Publishing.
4. Tain, L. (2010). *Portfolio presentation for fashion designers*, New York: Fair Child Books.

Course Code 20UCFS61P	PO1		PO2		PO3	PO4		PO5	PO6	PO7
	PSO 1.a	PSO 1.b	PSO 2.a	PSO 2.b	PSO3	PSO 4.a	PSO 4.b	PSO 5	PSO6	PSO 7
	CO1	H	H	M	H	H	H	H	H	M
CO2	H	H	M	H	H	H	H	H	M	-
CO3	H	H	M	H	H	H	H	H	H	-
CO4	H	H	H	H	H	H	H	H	H	L
CO5	H	H	H	H	H	H	H	H	H	L

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