



V.V.VANNIAPERUMAL COLLEGE FOR WOMEN

(Belonging to Virudhunagar Hindu Nadars)

An Autonomous Institution Affiliated to Madurai Kamaraj University, Madurai

Reaccredited with 'A++' Grade (4th Cycle) by NAAC

VIRUDHUNAGAR

Quality Education with Wisdom and Values

OUTCOME BASED EDUCATION WITH CHOICE BASED CREDIT SYSTEM REGULATIONS AND SYLLABUS

(with effect from Academic Year 2025 - 2026)

V.V.Vanniaperumal College for Women, Virudhunagar, established in 1962, offers 13 UG Programmes (Aided), 13 UG Programmes (SF), 13 PG 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 (TANSCHHE) 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.

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

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, Data Science, Computer Applications and Computer Applications - Graphic Design |
| Commerce & Management: | Commerce, Commerce (Computer Applications), Commerce (Professional Accounting), Business Administration |

PG PROGRAMMES

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

* AICTE approved Programmes

OUTLINE OF CHOICE BASED CREDIT SYSTEM – UG

1. Core Courses
2. Elective Courses
 - Generic Elective Courses
 - Discipline Specific Elective Courses (DSEC)
 - Non Major Elective Courses (NMEC)
3. Skill Enhancement Courses (SEC)
4. Environmental Studies (EVS)
5. Value Education
6. Self Study Courses (Online)
7. Extra Credit Courses (Self Study Courses) (Optional)

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

UG PROGRAMMES

| Name of the Course | Course Code | Semester | Department |
|--------------------------------|-------------|----------|------------------|
| Introduction to Tourism | 23UHIN11 | I | History(EM) |
| Indian Constitution | 23UHIN21 | II | History(EM) |
| சுற்றுலா ஓர் அறிமுகம் | 23UHIN11 | I | History (TM) |
| இந்திய அரசியலமைப்பு | 23UHIN21 | II | History(TM) |
| Popular Literature and Culture | 23UENN11 | I | English |
| English for Professions | 23UENN21 | II | |
| பேச்சுக்கலைத்திறன் | 23UTAN11 | I | Tamil |
| பயன்முறைத் தமிழ் | 23UTAN21 | II | |
| Practical Banking | 23UCON11 | I | Commerce (Aided) |
| Basic Accounting Principles | 23UCON22 | II | |

| | | | |
|---|----------|----|--|
| Financial Literacy-I | 23UCON12 | I | Commerce (SF) |
| Financial Literacy -II | 23UCON21 | II | |
| Self-Employment and Startup Business | 23UCCN11 | I | Commerce CA (SF) |
| Fundamentals of Marketing | 23UCCN21 | II | |
| Women Protection Laws | 23UCPN11 | I | Commerce (Professional Accounting) |
| Basic Labour Laws | 23UCPN21 | II | |
| Basics of Event Management | 23UBAN11 | I | Business Administration |
| Business Management | 23UBAN21 | II | |
| Quantitative Aptitude I | 23UMTN11 | I | Mathematics |
| Quantitative Aptitude II | 23UMTN21 | II | |
| Physics for Everyday life -I | 23UPHN11 | I | Physics |
| Physics for Everyday life -II | 23UPHN21 | II | |
| Food Chemistry | 23UCHN11 | I | Chemistry |
| Drugs and Natural Products | 23UCHN21 | II | |
| Ornamental fish farming and Management | 23UZYN11 | I | Zoology |
| Biocomposting for Entrepreneurship | 23UZYN21 | II | |
| Foundations of Baking and Confectionery | 23UHSN11 | I | Home Science – Nutrition and Dietetics |
| Basic Nutrition and Dietetics | 23UHSN21 | II | |
| Nutrition and Health | 23UBCN11 | I | Biochemistry |
| Life Style Diseases | 23UBCN21 | II | |
| Social and Preventive Medicine | 23UMBN11 | I | Microbiology |
| Nutrition & Health Hygiene | 23UMBN21 | II | |
| Herbal Medicine | 23UBON11 | I | Biotechnology |
| Organic farming and Health Management | 23UBON21 | II | |
| Basics of Fashion | 23UCFN11 | I | Costume Design And Fashion |
| Interior Designing | 23UCFN21 | II | |
| Office Automation | 23UCSN11 | I | Computer Science |
| Introduction to Internet and HTML 5 | 23UCSN21 | II | |
| Office Automation | 23UITN11 | I | Information Technology |
| Introduction to HTML | 23UITN21 | II | |
| Introduction to HTML | 23UCAN11 | I | Computer Applications |
| Fundamentals of Computers | 23UCAN21 | II | |
| Introduction to HTML | 23UGDN11 | I | Computer Applications - Graphic Design |
| Fundamentals of Computers | 23UGDN21 | II | |
| Organic Farming | 23UBYN11 | I | Botany |
| Nursery and Landscaping | 23UBYN12 | | |
| Mushroom Cultivation | 23UBYN21 | II | |
| Medicinal Botany | 23UBYN22 | | |
| Cadet Corps for Career Development I | 23UNCN11 | I | National Cadet Corps |
| Cadet Corps for Career Development II | 23UNCN21 | II | |

B. OUTCOME BASED EDUCATION (OBE) FRAMEWORK

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 channelise their teaching methodologies and evaluation strategies to attain the Programme Educational Objectives (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.

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

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

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

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 articulate innovative thoughts and ideas proficiently in both in spoken and written forms. (*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 through assignments, case studies, Internship and projects for the fulfillment of the local, national and global developmental needs. (*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 and 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 for better placement.

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 through research activity 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 ifelong 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.

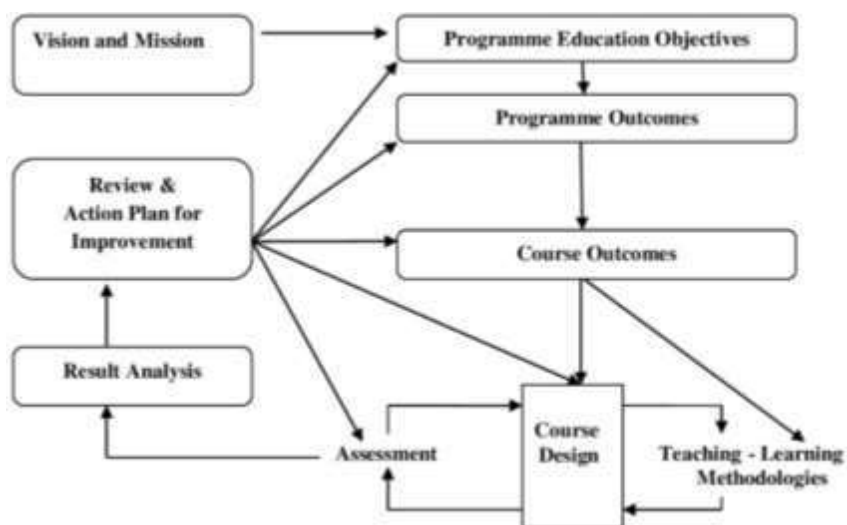
PO-PEO Mapping Matrix

Attainment of PEOs can 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 | PEO1 | PEO2 | PEO3 |
|------------------|------|------|------|
| PO1/PSO1.a | - | ✓ | ✓ |
| PO1/PSO1.b | ✓ | ✓ | ✓ |
| PO2/PSO2.a | ✓ | ✓ | - |
| PO2/PSO2.b | ✓ | ✓ | - |
| PO3/PSO3 | - | ✓ | ✓ |
| PO4/PSO4.a | - | ✓ | ✓ |
| PO4/PSO4.b | ✓ | ✓ | - |
| 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 Course |
| Part II | : | English |
| Part III | : | Core Courses |
| | | Elective Courses <ul style="list-style-type: none"> • Generic Elective Courses • Discipline Specific Elective Courses |
| | | Self Study Course - online |
| Part IV | : | Skill Enhancement Courses (SEC) |
| | | Elective Course (NMEC) |
| | | Environmental Studies Value Education |
| | | Field Project/Internship |
| | | Self Study Course - online |
| Part V | : | 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/ National Cadet Corps/ Rotaract Club |

B.2 EVALUATION SCHEME

B.2.1. PART II

| Components | Internal Assessment Marks | Summative Examination Marks | Total Marks |
|------------|---------------------------|-----------------------------|-------------|
| Theory | 15 | 60 | 100 |
| Practical | 5 | 15 | |
| Assignment | 5 | - | |

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

B.2.2. Part I & PART III - Core Courses, Elective Courses (Generic, DSEC)

| Components | Internal Assessment Marks | External Examination Marks | Total Marks |
|------------|---------------------------|----------------------------|-------------|
| Theory | 25 | 75 | 100 |

INTERNAL ASSESSMENT

Distribution of Marks

Theory

| Mode of Evaluation | | | Marks |
|--------------------|----------|---|-----------|
| Periodic Test : | | | 15 |
| Assignment | K3 Level | : | 5 |
| Quiz | K1 Level | : | 5 |
| Total : | | | 25 |

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 |
|------------------------|--|--|-----------|
| Practical Test* : | | | 30 |
| Record & Performance : | | | 10 |
| Total : | | | 40 |

* Average of the two Practical Tests will be considered

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

| Section | Q.No. | Types of Question | No. of Questions | No. of Questions to be answered | Marks for each Question | Total Marks |
|--------------|-------|--------------------------------------|------------------|---------------------------------|-------------------------|-------------|
| A | 1 - 4 | Multiple Choice | 4 | 4 | 1 | 4 |
| B | 5 -6 | Internal Choice - Either ... or Type | 3 | 3 | 7 | 21 |
| C | 8 -9 | Internal Choice - Either... or Type | 2 | 2 | 10 | 20 |
| Total | | | | | | 45* |

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

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

| Section | Q. No. | Types of Question | No. of Questions | No. of Questions to be answered | Marks for each Question | Total Marks |
|--------------|---------|-------------------------------------|------------------|---------------------------------|-------------------------|-------------|
| A | 1 -10 | Multiple Choice | 10 | 10 | 1 | 10 |
| B | 11 - 15 | Internal Choice – Either ...or Type | 5 | 5 | 7 | 35 |
| C | 16 - 18 | Internal Choice – Either... or Type | 3 | 3 | 10 | 30 |
| Total | | | | | | 75 |

PROJECT**Assessment by Internal Examiner Only****Internal Assessment****Distribution of Marks**

| | | |
|-----------------------------|----------|------------|
| Mode of Evaluation | : | Marks |
| Project work and Report | : | 60 |
| Presentation and Viva –Voce | : | 40 |
| Total | : | 100 |

B.2.3 PART IV - Skill Enhancement Courses, Non Major Elective Courses and Foundation Course

B.2.3.1 FOUNDATION COURSE

INTERNAL ASSESSMENT

Distribution of Marks

Theory

| Mode of Evaluation | | Marks |
|---------------------------|------------|--------------|
| Periodic Test : | | 15 |
| Assignment | K2 Level : | 5 |
| Quiz | K1 Level : | 5 |
| Total : | | 25 |

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

Question Pattern for Periodic Tests

Duration: 1 Hour

| Section | Q.No. | Types of Question | No. of Questions | No. of Questions to be answered | Marks for each Question | Total Marks |
|----------------|--------------|-------------------------------------|-------------------------|--|--------------------------------|--------------------|
| A | 1 - 3 | Internal Choice - Either ...or Type | 3 | 3 | 5 | 15 |
| B | 4 | Internal Choice – Either ...or Type | 1 | 1 | 10 | 10 |
| | Total | | | | | 25* |

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

SUMMATIVE EXAMINATION

| Mode of Evaluation | | Marks |
|--|--|--------------|
| Summative Examination : | | 50 |
| Online Quiz : | | 25 |
| (Multiple Choice Questions - K2 Level) | | |
| Total : | | 75 |

Question Pattern**Duration: 2 Hours**

| Section | Q.No. | Types of Question | No. of Questions | No. of Questions to be answered | Marks for each Question | Total Marks |
|--------------|-------|--------------------------------------|------------------|---------------------------------|-------------------------|-------------|
| A | 1 - 5 | Internal Choice - Either ... or Type | 5 | 5 | 6 | 30 |
| B | 6 - 7 | Internal Choice – Either... or Type | 2 | 2 | 10 | 20 |
| Total | | | | | | 50 |

B.2.3.2 Skill Enhancement Course - Entrepreneurial skills**INTERNAL ASSESSMENT ONLY****Distribution of Marks**

| Mode of Evaluation | Marks |
|---|--------------|
| Periodic Test | : 15 |
| Assignment | : 5 |
| Quiz | : 5 |
| Model Examinations | : 60 |
| Online Quiz(Multiple Choice Questions - K2 Level) | : 15 |
| Total | : 100 |

Question Pattern for Periodic Tests**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 | 5 | 15 |
| B Q. No.(4) | Internal Choice – Either Or Type | 1 | 1 | 10 | 10 |
| Total | | | | | 25* |

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

Two Periodic Tests - Better of the two will be considered

Two Assignments - Better of the two will be considered

Two Quiz Tests - Better of the two will be considered

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 |
| Total | | | | | 60 |

B.2.3.3 Skill Enhancement Courses/ Non Major Elective Courses**INTERNAL ASSESSMENT****Distribution of Marks****Theory**

| Mode of Evaluation | | | Marks |
|--------------------|----------|---|-------------|
| Periodic Test | | | : 15 |
| Assignment | K3 Level | : | 5 |
| Quiz | K2 Level | : | 5 |
| Total | | | : 25 |

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

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

| Section | Q.No. | Types of Question | No. of Questions | No. of Questions to be answered | Marks for each Question | Total Marks |
|--------------|-------|--|------------------|---------------------------------|-------------------------|-------------|
| A | 1 - 3 | Internal Choice - Either ...or Type | 3 | 3 | 5 | 15 |
| B | 4 | Internal Choice – Either ...or Type | 1 | 1 | 10 | 10 |
| Total | | | | | | 25* |

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

SUMMATIVE EXAMINATION

| Mode of Evaluation | Marks |
|---|--------------|
| Summative Examination : | 50 |
| Online Quiz : (Multiple Choice Questions - K2 Level) | 25 |
| Total : | 75 |

Question Pattern**Duration: 2 Hours**

| Section | Q.No. | Types of Question | No. of Questions | No. of Questions to be answered | Marks for each Question | Total Marks |
|----------------|--------------|--------------------------------------|-------------------------|--|--------------------------------|--------------------|
| A | 1 - 5 | Internal Choice - Either ... or Type | 5 | 5 | 6 | 30 |
| B | 6 - 7 | Internal Choice – Either... or Type | 2 | 2 | 10 | 20 |
| | Total | | | | | 50 |

B.2.4 PART IV- ENVIRONMENTAL STUDIES / VALUE EDUCATION**INTERNAL ASSESSMENT ONLY****Evaluation Pattern**

| Mode of Evaluation | Marks |
|---|--------------|
| Periodic Test : | 15 |
| Assignment - K3 Level : | 10 |
| Online Quiz : (Multiple Choice Questions - K2 Level) | 25 |
| Poster Presentation - K3 Level | 10 |
| Report - K3 Level | 10 |
| Model Examination : | 30 |
| Total : | 100 |

Three Assignment - Best of the three will be considered

Question Pattern for Periodic Tests**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 |
| Total | | | | | 30* |

Two Periodic tests - Better of the two will be considered

The total marks obtained in the Periodic test will be calculated for 15 marks

Question Pattern for Model Examination**Duration: 2½ Hours**

| Section | Q.No. | Types of Question | No. of Questions | No. of Questions to be answered | Marks for each Question | Total Marks |
|--------------|-------|---|------------------|---------------------------------|-------------------------|-------------|
| A | 1 - 5 | Internal Choice - Either ... or Type | 5 | 5 | 6 | 30 |
| B | 6 - 8 | Internal Choice – Either... or Type | 3 | 3 | 10 | 30 |
| Total | | | | | | 60* |

*The total marks obtained in the Model Examination will be calculated for 30 marks

B. 2. 5 PART IV- Internship / Industrial Training

- Internship / Industrial Training is mandatory for all the Students
- **Internship:** Students have to involve in a designated activity, working in an organization under the guidance of an identified mentor for a period of 15 days.
- **Industrial Training:** Student has to undertake in-plant training in industries individually or in group for a period of 15 days.
- Internship / Industrial Training must be done during the fourth semester holidays
- **Internal Assessment only.**

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

B.2.6 SELF STUDY COURSE

B.2.6.1 PART III - Discipline Specific Quiz – Online

- Assessment by Internal Examiner only
- Question Bank is prepared by the Faculty Members of the Departments for all the Core and Elective Courses offered in all the Semesters.
- 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 | : | 25 |
| Model Examination | : | 75 |
| Total | : | 100 |

Two Periodic Tests - Better of the two will be considered

B.2.6 .2 PART IV - 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

| Subject | | Marks |
|---------------------------|----------|------------|
| 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 |
| Total | : | 100 |

Distribution of Marks

| Mode of Evaluation | | Marks |
|--------------------|----------|------------|
| Periodic Test | : | 25 |
| Model Examination | : | 75 |
| Total | : | 100 |

Two Periodic Tests - Better of the two will be considered

B.2.7. Part V – Extension Activities**INTERNAL ASSESSMENT ONLY****Distribution of Marks**

| Mode of Evaluation | | Marks |
|--|----------|------------|
| Attendance | : | 5 |
| Performance | : | 10 |
| Report/Assignment/Project/Camp/Practical | : | 10 |
| Total | : | 25* |

*The marks obtained will be calculated for 100 marks

B.2.8 EXTRA CREDIT COURSES (OPTIONAL)**2.8.1 Extra Credit Course offered by the Department.**

Assessment by Internal Examiner Only (To be conducted along with the III Periodic Test)

Distribution of Marks

| Mode of Evaluation | | Marks |
|----------------------------------|----------|--------------|
| Quiz (Multiple Choice Questions) | : | 25 |
| Model Examination | : | 75 |
| Total | : | 100 |

Question Pattern for Model Examination

| 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 | 7 | 35 |
| B Q.No.(6-9) | Internal Choice- Either or Type | 4 | 4 | 10 | 40 |
| | | | | Total | 75 |

2.8.2 Extra credit Course offered by MOOC (Massive Open Online Course)

- The Courses shall be completed within the first V Semesters of the Programme.
- The allotment of credits is as follows (**Maximum of 10 credits**)

| | |
|-----------------|-------------|
| 4weeks Course | - 1 credit |
| 8 weeks Course | - 2 credits |
| 12 weeks Course | - 3 credits |

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 for all the Courses.
 - Pass minimum for External Examination is 27 marks out of 75 marks for Core Courses, Elective Courses (Generic Elective, DSEC Courses)
 - Pass minimum for External Examination is 18 marks out of 50 marks for Skill Enhancement Courses and Non Major Elective Courses (NMEC).
 - The aggregate minimum pass percentage is 40.
 - Pass minimum for External Practical Examination is 21 marks out of 60 marks.
- **Attendance**
 - a) The students who have attended the classes for 76 days (85%) and above are permitted to appear for the Summative Examinations without any condition.

- b) 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.
- c) The students who have attended the classes for 59 days and less – upto 45 days (50% - 65%) can appear for the Summative Examinations only after getting special permission from the Principal.
- d) 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.
 - For Certificate, Diploma, Advanced Diploma and Post Graduate Diploma Programmes, the students require 75% of attendance to appear for the Theory/Practical Examinations.

B.3 ASSESSMENT MANAGEMENT PLAN

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 marks obtained by all the students are recorded for all the assessment tools. The respective CO attainment level is evaluated based on set attainment rubrics.

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

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

Attainment Levels of COs

| Assessment Methods | Attainment Levels | |
|------------------------------------|-------------------|---|
| Internal Assessment | Level 1 | 50% of students scoring more than set target marks in Internal Assessment tools |
| | Level 2 | 55% of students scoring more than set target marks in Internal Assessment tools |
| | Level 3 | 60% of students scoring more than set target marks in internal Assessment tools |
| End Semester Summative Examination | Level 1 | 50% of students scoring more than average marks in End Semester Summative Examination |
| | Level 2 | 55% of students scoring more than average marks in End Semester Summative Examination |
| | Level 3 | 60% of students scoring more than average marks in End Semester Summative Examination |

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 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 - PO mapping, the PO attainment is calculated. PO assessment is done by giving 75% weightage to direct assessment and 25% weightage to indirect assessment. Direct assessment is based on CO attainment, where 75% weightage is given to attainment through End Semester Examination and 25% weightage 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 (Weightage -75%) | CO Assessment | This is computed from the calculated CO Attainment value for each Course |
| Indirect Attainment (Weightage - 25%) | Graduate Exit Survey 10% | At the end of the Programme, Graduate Exit Survey is collected from the graduates and it gives the opinion of the graduates on attainment of Programme Outcomes |
| | Co-curricular/ Extra-curricular activities 15% | For participation in Co-curricular/Extra-curricular activities during the period of their study. |

Programme Articulation Matrix (PAM)

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

Indirect Attainment of POs for all Courses

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

Attainments of POs for all Courses

| POs | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 |
|---------------------------------------|-----|-----|-----|-----|-----|-----|-----|
| Direct Attainment (Weightage - 75%) | | | | | | | |
| Indirect Attainment (Weightage - 25%) | | | | | | | |
| Overall PO Attainment | | | | | | | |

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

Expected Level of Attainment for each of the Programme Outcomes

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

Level of PO Attainment

| Graduation Batch | Overall PO Attainment (in percentage) | Whether Expected Level of PO is Achieved? (Yes/No) |
|------------------|--|--|
| | | |

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

| Assessment Criteria | Target (UG) | Target (PG) |
|---------------------------------|---------------------------|---------------------------|
| Record of Employment | 15% of the class strength | 30% of the class strength |
| Progression to Higher Education | 50% 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

| Assessment Criteria & Tool | Weightage |
|---------------------------------|------------|
| 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 |
| Total Attainment | 100 |

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

Expected Level of Attainment for each of the Programme Educational Objectives

| POs | Level of Attainment |
|--|---------------------|
| Attainment Value $\geq 70\%$ | Excellent |
| $60\% \leq \text{Attainment Value} < 70\%$ | Very Good |
| $50\% \leq \text{Attainment Value} < 60\%$ | Good |
| $40\% \leq \text{Attainment Value} < 50\%$ | Satisfactory |
| Attainment Value $< 40\%$ | Not Satisfactory |

Level of PEO Attainment

| Graduation Batch | Overall PEO Attainment (in percentage) | Whether Expected Level of PEO is Achieved? (Yes/No) |
|-------------------------|---|--|
| | | |

C. PROCESS OF REDEFINING THE PROGRAMME EDUCATIONAL OBJECTIVES

The College has always been involving the key stakeholders 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 Frame work 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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VIRUDHUNAGAR

Quality Education with Wisdom and Values

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 2023-2024

| Components | Semester | | | | | | Total Number of Hours (Credits) |
|--|----------------|----------------|----------------|----------------|----------------|----------------|---------------------------------|
| | I | II | III | IV | V | VI | |
| Part I : Tamil /Hindi | 6 (3) | 6 (3) | 6 (3) | 6 (3) | - | - | 24 (12) |
| Part II : English | 6 (3) | 6(3) | 6 (3) | 6 (3) | - | - | 24 (12) |
| Part III : Core Courses, Elective Courses, &Self Study Course | | | | | | | |
| Core Course | 5 (5) | 5 (5) | 5 (5) | 5 (5) | 6 (6) | 6 (5) | 32 (31) |
| Core Course | - | - | - | 4(4) | 6 (6) | 6 (5) | 16 (15) |
| Core Course | - | - | - | - | - | - | - |
| Core Course Practical | 3(2) | 3(2) | 5(3) | - | 5 (3) | 6 (4) | 22(14) |
| Core Course Project | - | - | - | - | 1 (1) | - | 1 (1) |
| Elective Course (DSEC) | - | - | - | - | 5(4) | 5 (4) | 10 (8) |
| Elective Course (DSEC Practical) | - | - | - | - | 5(4) | 5(4) | 10(8) |
| Elective Course I (Allied) | 4(3) | 4(3) | - | - | - | - | 8(6) |
| Elective Course I Practical I(Allied) | 2(1) | 2(1) | - | - | - | - | 4 (2) |
| Elective Course II(Allied) | - | - | - | - | - | - | - |
| Elective Course II Practical II(Allied) | - | - | 4 (3) | 4 (3)) | - | - | 8 (6) |
| Self Study Course | - | - | - | - | - | 0 (1) | 0 (1) |
| Part IV: Skill Enhancement Courses, Elective Courses, , Environmental Studies, Value Education, Self Study Course & Internship/ Industrial Training | | | | | | | |
| SEC | 2 (2) | - | 1 (1) | 2 (2) | - | - | 5(5) |
| SEC | - | 2 (2) | 2 (2) | 2 (2) | - | 2 (2) | 8 (8) |
| Elective Course (NME) | 2 (2) | 2 (2) | - | - | - | - | 4 (4) |
| Value Education | - | - | - | - | 2 (2) | - | 2 (2) |
| Environmental Studies | - | - | 1 (0) | 1 (2) | - | - | 2 (2) |
| Self Study Course | - | - | - | - | 0 (1) | - | 0 (1) |
| Internship/ Industrial Training | - | - | - | - | 0 (1) | - | 0 (1) |
| Part V: Extension Activities | - | - | - | - | - | 0 (1) | 0 (1) |
| Total | 30 (21) | 30 (21) | 30 (20) | 30 (24) | 30 (28) | 30 (26) | 180 (140) |
| Extra Credit Course (Self Study Course) | - | - | - | - | 0(2) | - | 0(2) |



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Quality Education with Wisdom and Values

B.Sc. COSTUME DESIGN AND FASHION- 2030

Programme Content

Semester – I

| S.No. | Components | | Title of the Course | Course Code | Hours Per Week | Credits | Exam. Hours | Marks | | |
|-------|------------|------------------------------------|---|-----------------------|----------------|---------|-------------|-------|------|-------|
| | | | | | | | | Int. | Ext. | Total |
| 1. | Part I | | Tamil/ Hindi | 23UTAG11/ 23UHDG11 | 6 | 3 | 3 | 25 | 75 | 100 |
| 2. | Part II | | English | 23UENG11 | 6 | 3 | 3 | 25 | 75 | 100 |
| 3. | Part III | Core Course -1 | Fashion Designing | 23UCFC11 | 5 | 5 | 3 | 25 | 75 | 100 |
| 4. | | Core Course -2 Practical -I | Fashion Designing Practical | 23UCFC11P | 3 | 2 | 3 | 40 | 60 | 100 |
| 5. | | Elective Course -I | Care and Maintenance of Textiles | 23UCFA11 | 4 | 3 | 3 | 25 | 75 | 100 |
| 6. | | Elective Course - I Practical I | Home Textiles Practical I | 23UCFA11P | 2 | 1 | 3 | 40 | 60 | 100 |
| 7. | Part IV | NME-1 | Basics of Fashion | 23UCFN11 | 2 | 2 | 3 | 25 | 75 | 100 |
| 8. | | SEC- 1 Foundation Course | Introduction to Garment Construction | 23UCFF11 | 2 | 2 | 3 | 25 | 75 | 100 |
| Total | | | | | 30 | 21 | | | | 800 |

B.Sc. COSTUME DESIGN AND FASHION- 2030**Programme Content****Semester – II**

| S.No. | Components | | Title of the Course | Course Code | Hours Per Week | Credits | Exam. Hours | Marks | | |
|-------|------------|-----------------------------------|---|----------------------|----------------|---------|-------------|-------|------|-------|
| | | | | | | | | Int. | Ext. | Total |
| 1. | Part I | | Tamil/ Hindi | 23UTAG1/ 23UHDG21 | 6 | 3 | 3 | 25 | 75 | 100 |
| 2. | Part II | | English | 23UENG21 | 6 | 3 | 3 | 25 | 75 | 100 |
| 3. | Part III | Core Course -3 | Pattern Making and Grading | 23UCFC21 | 5 | 5 | 3 | 25 | 75 | 100 |
| 4. | | Core Course -4 Practical -II | Fundamentals of Apparel Making Practical | 23UCFC21P | 3 | 2 | 3 | 40 | 60 | 100 |
| 5. | | Elective Course- I | Home Furnishing | 23UCFA21 | 4 | 3 | 3 | 25 | 75 | 100 |
| 6. | | Elective Course-I Practical-II | Home Textiles Practical II | 23UCFA21P | 2 | 1 | 3 | 40 | 60 | 100 |
| 7. | Part IV | NME-2 | Interior Designing | 23UCFN21 | 2 | 2 | 3 | 25 | 75 | 100 |
| 8. | | SEC-2 | MS Office Practical | 23UCFS21P | 2 (1T/IP) | 2 | 3 | 40 | 60 | 100 |
| Total | | | | | 30 | 21 | 800 | | | |

B.Sc COSTUME DESIGN AND FASHION- 2030
Programme Content
Semester – III
(for those who join in 2023-2024)

| S.No. | Components | | Title of the Course | Course Code | Hours Per Week | Credits | Exam. Hours | Marks | | |
|-------|------------|------------------------------------|--|-----------------------|----------------|---------|-------------|-------|------|-------|
| | | | | | | | | Int. | Ext. | Total |
| 1. | Part I | | Tamil/ Hindi | 23UTAG31/ 23UHDG31 | 6 | 3 | 3 | 25 | 75 | 100 |
| 2. | Part II | | English | 23UENG31 | 6 | 3 | 3 | 25 | 75 | 100 |
| 3. | Part III | Core Course -5 | Fibre to Fabric | 23UCFC31 | 5 | 5 | 3 | 25 | 75 | 100 |
| 4. | | Core Course -6 Practical -III | Garment Construction – Children’s Wear Practical | 23UCFC31P | 5 | 3 | 3 | 40 | 60 | 100 |
| 5. | | Elective Course-II Practical-II | Ornaments and Accessory Making Practical | 23UCFA31P | 4 | 3 | 3 | 40 | 60 | 100 |
| 6. | Part IV | SEC-3 | Surface Embellishments Practical | 23UCFS31P | 1 | 1 | 2 | 100 | - | 100 |
| 7. | | SEC-4 | Fibre to Fabric Practical | 23UCFS32P | 2 | 2 | 2 | 40 | 60 | 100 |
| 8. | | | Environmental Studies | 23UGES41 | 1 | - | - | - | - | - |
| Total | | | | | 30 | 20 | 700 | | | |

B.Sc. COSTUME DESIGN AND FASHION- 2030
Programme Content
Semester – IV
(for those who join in 2023-2024)

| S.No. | Components | | Title of the Course | Course Code | Hours Per Week | Credits | Exam. Hours | Marks | | |
|-------|------------|------------------------------------|--|-----------------------|----------------|---------|-------------|-------|------|-------|
| | | | | | | | | Int. | Ext. | Total |
| 1. | Part I | | Tamil/ Hindi | 23UTAG41/ 23UHDG41 | 6 | 3 | 3 | 25 | 75 | 100 |
| 2. | Part II | | English | 23UENG41 | 6 | 3 | 3 | 25 | 75 | 100 |
| 3. | Part III | Core Course -7 | Industrial Garment Machineries | 23UCFC41 | 5 | 5 | 3 | 25 | 75 | 100 |
| 4. | | Core Course -8 | Fabric Structure and Design | 23UCFC42 | 4 | 4 | 3 | 25 | 75 | 100 |
| 5. | | Elective Course-II Practical-II | Draping Practical | 23UCFA41P | 4 | 3 | 3 | 40 | 60 | 100 |
| 6. | Part IV | SEC-5 | Fabric Structure and Design Practical | 23UCFS41P | 2 | 2 | 3 | 40 | 60 | 100 |
| 7. | | SEC-6 | Computer Aided Design I Practical | 23UCFS42P | 2 | 2 | 3 | 40 | 60 | 100 |
| 8. | | | Environmental Studies | 23UGES41 | 1 | 2 | 2 | 100 | - | 100 |
| Total | | | | | 30 | 24 | | | | 800 |

B.Sc. COSTUME DESIGN AND FASHION- 2030
Programme Content - Semester – V
(for those who join in 2023-2024)

| S.No. | Components | | Title of the Course | Course Code | Hours Per Week | Credits | Exam. Hours | Marks | | |
|-------|--|---------------------------------------|---|-------------------------|----------------|---------|-------------|-------|------|-------|
| | | | | | | | | Int. | Ext. | Total |
| 1. | Part III | Core Course -9 | Costumes and Textiles of India | 23UCFC51 | 6 | 6 | 3 | 25 | 75 | 100 |
| 2. | | Core Course -10 | Textile Wet Processing | 23UCFC52 | 6 | 6 | 3 | 25 | 75 | 100 |
| 3. | | Core Course -11 Practical | Garment Construction – Adult Wear Practical | 23UCFC51P | 5 | 3 | 3 | 40 | 60 | 100 |
| 4. | | Core Course –12 Project | Project | 23UCFC54PR | 1 | 1 | - | 100 | - | 100 |
| 5. | | Elective Course DSEC - 1 | Marketing and Merchandising /Apparel Brand Management | 23UCFE51/ 23UCFE52 | 5 | 4 | 3 | 25 | 75 | 100 |
| 6. | | Elective Course DSEC -2 Practical - I | Eco Dyeing and Printing Practical/ Couture Design Development Practical | 23UCFE53P/ 23UCFE54P | 5 | 4 | 3 | 40 | 60 | 100 |
| 7. | Part IV | Self-Study Course | Practice for Competitive Course - online | 23UGCE51 | - | 1 | - | 100 | | 100 |
| 8. | | Internship/ Industrial Training | Internship | 23UCFI51 | - | 1 | - | 100 | - | 100 |
| 9. | | | Value Education | 23UGVE51 | 2 | 2 | 2 | 100 | - | 100 |
| Total | | | | | 30 | 28 | 900 | | | |
| 10. | Extra Credit Course - Self-Study Course) | | Knitting | 23UCFO51 | - | 2 | 3 | 100 | - | 100 |

B.Sc. COSTUME DESIGN AND FASHION- 2030
Programme Content - Semester – VI
(for those who join in 2023-2024)

| S.No. | Components | | Title of the Course | Course Code | Hours Per Week | Credits | Exam. Hours | Marks | | |
|-------|------------|--|---|-------------------------|----------------|---------|-------------|-------|------|-------|
| | | | | | | | | Int. | Ext. | Total |
| 1. | Part III | Core Course -13 | The Business of Fashion | 23UCFC61 | 6 | 5 | 3 | 25 | 75 | 100 |
| 2. | | Core Course -14 | Computer Applications in Garment Industry | 23UCFC62 | 6 | 5 | 3 | 25 | 75 | 100 |
| 3. | | Core Course -15 Practical | Computer Aided Design II Practical | 23UCFC61P | 6 | 4 | 3 | 40 | 60 | 100 |
| 4. | | Elective Course DSEC -3 | Entrepreneurship Development / Organisation of Garment Unit | 23UCFE61/ 23UCFE62 | 5 | 4 | 3 | 25 | 75 | 100 |
| 5. | | Elective Course DSEC -4 Practical -II | Design Process and Product Development Practical/ Sustainable Product DevelopmentPractical | 23UCFE63P/ 23UCFE64P | 5 | 4 | 3 | 40 | 60 | 100 |
| 6. | | Self-Study Course | Discipline Specific Quiz - Online | 23UCFQ61 | - | 1 | - | 100 | - | 100 |
| 7. | Part IV | SEC-7 Professional Competency Skill Enhancement Course | Communication and Work Ethics for Apparel Industry | 23UCFS61 | 2 | 2 | 2 | 25 | 75 | 100 |
| 8. | Part V | | Extension Activity | | - | 1 | - | 100 | - | 100 |
| Total | | | | | 30 | 26 | 800 | | | |



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VIRUDHUNAGAR - 626 001

B.Sc Costume Design and Fashion

(for those who join in 2023-2024)

| | | | |
|--------------------------------|--------------------------|----------------|----------------|
| Semester I | FASHION DESIGNING | Hours/Week:5 | |
| Core Course-1 | | Credits:5 | |
| Course Code 23UCFC11 | | Internal 25 | External 75 |

COURSE OUTCOMES

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

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

CO2: understand the design types elements, principles of design, colour aspects, textile design, figure types and fashion. [K2]

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

CO4: find out the changes that occur in fashion and develop motifs using basic elements and principles of design on various dress for different figures with suitable trends and colours. [K3]

CO5: make use of the applications of fashion, elements and principles of design, colour aspects, textile design on various dresses for figure irregularities. [K3]

UNIT I Design Elements and Principles

Design-definition and types—structural and decorative design, requirements of a good structural and decorative design in dress. Elements of design and its application in dress—line, shape or form, colour and texture. Principles of design and its application in dress—balance, rhythm, emphasis, harmony and proportion. (15Hours)

UNIT II Standard Colour Harmonies

Colour theories; Prang colour chart Dimensions of colour - hue, value, and intensity.

Standard colour harmonies –Related, Contrasting and Neutral colour harmony; Application of Colour in principles of design- application of the same in dress design. (15Hours)

UNIT III Fashion Evolution and Fashion Forecasting

Fashion evolution – Fashion cycles, Length of cycles, consumer groups in fashion cycles–fashion leaders, fashion innovators, fashion motivation, fashion victim, Fashion followers. Adoption of Fashion theories–Trickle down, trickle up and trickle across. Fashion forecasting– Need for forecasting. (15Hours)

UNIT IV Designing Dresses for Unusual Figures

Designing dresses for unusual figures–becoming and unbecoming–for the following figure types. Stout figure, thin figure, narrow shoulders, broad shoulders, round shoulders, large bust, flat chest, large hip, large abdomen, round face, large face, small face, prominent chin and jaw, prominent forehead. (15Hours)

UNIT V Fashion Terminologies and Fashion Profiles

Definition and meaning of the fashion terms–fashion, style, line and collection, Mannequin and dress forms; fashion show; high fashion; Haute couture, couture and couturier; knock-off; Avant Garde; Pret-a-porter. Role/qualities of a Fashion Designer, Fashion Stylist, Fashion Journalist, Fashion Merchandiser, Fashion Director. (15Hours)

TEXTBOOKS

1. Bina Abling, (1988). *Fashion Sketch Book* –,Fair Child Publications, New York: Wardrobe.
2. Jimsey Mc.,and Harriet (1973) *Art and Fashion in Clothing Selection*–, Iow a State University: Press Jowa.
3. Sumathi, G.J., (2008). *Elements of Design*, New Delhi: New Age International Publishers Pvt Limited.

REFERENCEBOOKS

1. John,M.,(1990).*Fashion Design and Illustration*, London: Melbourne.
2. Khurana,P.Seth,M.,(2007).*IntroductiontoFashionTechnology*,NewDelhi:FireWellPublicati
on
3. Kitty G. Dickerson, (2007). *Inside the Fashion Busines*, US :PearsonEducation.
4. Narang,M.(2007).*Hand Book of Fashion Technology*, New Delhi: AsiaPacific Business
Press Inc.
5. Neelima,(2015).*FashionandTextileDesign*,NewDelhi:SonaliPublications.
6. Pundi, N. (2007). *Fashion Technology Today and Tomorrow*, New Delhi: Mittal
Publication.

Related Online Contents [MOOC, SWAYAM,NPTEL, Websites etc.]

1. <https://www.apparelsearch.com/terms/index.htm>
2. <https://www.instyle.com/fashion..>
3. <https://prezi.com/1tlwgnhviqs-/fashion-elements-and-principles-of-design/>

| Course Code 23UCFC11 | 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 | 3 | 3 | 3 | 3 | - | - | - | - | - | - |
| CO2 | 3 | 3 | 3 | 3 | - | - | - | - | - | - |
| CO3 | 3 | 3 | 3 | 3 | - | - | - | - | - | - |
| CO4 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | - | - | - |
| CO5 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | - | - |

Strong(3) Medium (2) Low (1)

Mrs.J.Athirstam
Head of the Department

Mrs.J.Athirstam
Course Designer



V.V.VANNIAPERUMAL COLLEGE FOR WOMEN

(Belonging to Virudhunagar Hindu Nadars)

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VIRUDHUNAGAR - 626 001

B.Sc Costume Design and Fashion

(for those who join in 2023-2024)

| | | | |
|---------------------------------|------------------------------------|----------------|----------------|
| Semester I | FASHION DESIGNING PRACTICAL | Hours/Week:3 | |
| Core Course -2 Practical I | | Credits:2 | |
| Course Code 23UCFC11P | | Internal 40 | External 60 |

COURSE OUTCOMES

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

CO1: outline the head theories and facial features with a neat sketch with correct proportion. [K2]

CO2: understand the principles to draw dresses with elements, principles of design and colour aspects. [K2]

CO3: develop various figure postures with suitable garments by using various colours, elements and principles of design. [K3]

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

CO5: make use of the techniques involved in sketching and designing of various dress for seasons. [K3]

1. Prepare the following Charts

- Prang colour chart
- Value chart
- Intensity chart

2. Illustrate Human Figure for the Following Heads and Body Parts

- Child-6 head.
- Women-8 head, 10head and12 head.

- Man–10 head
- Legs and feet – principle for drawing the legs, draw the legs in different views, motion to the legs
- Whole face in different views – eyes – nose – ears and lips.

3. Illustrate Garment Designs for the Elements of Design

- Line
- Texture
- Shape

4. Illustrate Garment Designs for the Principles of Design

- Balance(Formal and Informal)
- Harmony
- Emphasis
- Proportion
- Rhythm (by Repetition, Gradation and Line Movement)

5. Illustrate the Colour Harmony in Dress Design

- Monochromatic
- Analogous
- Complimentary
- Double complementary
- Split complementary
- Triad

6. Create Garments for the Following Seasons

- Summer
- Winter
- Autumn
- Spring

TEXTBOOKS

1. Bina Abbing,(1988).*Fashion Sketch Book*, New York: Wardrobe, Fair Child Publications.
2. Kathryn Mc Kelvey and Janine Munslow, (1997). *Illustrating Fashion, USA*: Black well Science.

REFERENCE BOOKS

1. Jimsey M c and Harriet, Iowa (1973). *Art and Fashion in Clothing Selection*, State University: Press, Iowa,
2. John Ireland, P. (2005). *Fashion Design Illustration*, New Delhi: B.T Batsford Ltd.
3. Lee Tate, S. (2007). *Inside Fashion Design*, 5th Edition. Unitesstates: Pearson Education Publications.
4. Thames and Hudson, (2010). *Basic Illustrations*, London: AVA Publishing Distributors.
5. Paco Asensio, (2008). *Fashion Illustration Colure + Medium*, U.S.A: Maomao Publications.
6. Alexandra Suhner Isenberg, (2012) *Technical Drawing for Fashion Design*, Amsterdam & Singapore: The Pepin Press.

Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]

1. <https://www.idrawfashion.com/>
2. <https://www.fashionistasketch.com/drawing-faces-fashion-illustration/>
3. <https://in.pinterest.com/pin/458804280762797371/>

| Course Code 23UCFC11P | 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 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | - | - | - |
| CO2 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | - | - | - |
| CO3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | - | - | - |
| CO4 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 2 | - |
| CO5 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | - | - |

Strong(3) Medium (2) Low (1)

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

(for those who join in 2023-2024)

| | | | |
|--------------------------------|---|----------------|----------------|
| Semester I | CARE AND MAINTENANCE OF TEXTILES | Hours/Week:4 | |
| Elective Course –I | | Credits:3 | |
| Course Code 23UCFA11 | | Internal 25 | External 75 |

COURSE OUTCOMES

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

CO1: state the concepts, objectives and importance of water, laundry soaps, stain removal, washing, laundering, dry cleaning, labeling and storing of textiles. [K1]

CO2: classify the types of water, laundry soaps, stiffening agent, stain removal, washing, ironing, laundering, and labeling for different fabrics. [K2]

CO3: explain the methods of stain removal, laundering, storing and dry cleaning and the manufacturing process of stiffening agents, soaps and detergents. [K2]

CO4: make use of the maintenance of water, stiffening agents, laundering and labeling for textiles. [K3]

CO5: find out the factors to be considered while washing and the applications of stiffening agents and laundering for different fabrics. [K3]

UNIT I Water and Laundry Soaps

Water-hard and soft water, methods of softening water. Laundry soaps- Composition of soap types of soap, soap less detergents, detergent manufacture, advantages of detergents, Manufacturing process of soap and detergents. (12Hours)

UNIT II Finishes and Stain Removal

Finishes–Stiffening Agents –Starch (cold water and hot water), other stiffening agents, preparation of starch Laundry blues, their application. Stain removal common methods of removing stains; food stains, lead pencil, lipstick, mildew, nose drops, paint, perfume, perspiration/ mildew, tar, turmeric and kum - kum. (12Hours)

UNIT III Washing, Drying and Ironing

Washing – Points to be noted before washing. Machine–types semi-automatic and Fully automatic; Top loading and front loading; wash cycles in a washing machine, Drying equipment's–Indoor and outdoor drying Iron box–Parts and functions of an electric iron box; types-automatic iron box and steam iron. Ironing board–different types.

(12Hours)

UNIT IV Laundering of Different Fabrics

Laundering of different fabrics–cotton and linen, woolens, coloured fabrics, silks, rayon and nylon. Special types of Laundry – water proof coats, silk ties, leather goods, furs, plastics, lace.

(12Hours)

UNIT V Storing, Dry Cleaning and Care Labels

Storing – Methods of storing clothes, Best way to store clothes. Dry cleaning– Benefits, differences between dry cleaning and laundry, Steps in dry cleaning Care labels–Importance and Types-The International Care Labelling System, The Japanese Care Labelling System, The Canadian Care Labelling System, The European Care Labelling System, The American.

(12Hours)

TEXTBOOKS

1. Susheela Dantyagi,(1980). *Fundamentals of Textiles and their Care-*, Delhi: Orient Longmann Ltd.
2. Wingate I.B., (1946). *Textiles fabrics and their Selection*, New York: Prentice – Hall Inc Publishers.

REFERENCEBOOKS

1. Durga Deulkar, (1951). *Household Textiles and Laundry Work*, Delhi: Amla Ram & Sons.
2. Mildred T.Tate and Glisson O,(1961). *Family Clothing*, New York: John Wiley & Sons Inc, Illinois.

Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]

1. <https://tide.com/en-us/how-to-wash-clothes/how-to-do-laundry/your-comprehensive-guide-on-how-to-do-laundry#Step1>
2. [https://www.coats.com/en/Information-Hub/Care-Labels#:~:text=Labels%20should%20be%20designed%20based,5\)%20Wringing%20%26%206\)%20Drying](https://www.coats.com/en/Information-Hub/Care-Labels#:~:text=Labels%20should%20be%20designed%20based,5)%20Wringing%20%26%206)%20Drying)
3. <https://www.customclothinglabels.com/uses/why-are-care-labels-so-important/#:~:text=Care%20labels%20are%20essential%20when,run%20could%20ruin%20the%20fabric.>
4. <https://www.drycleaning.com.sg/blog/5-differences-between-dry-cleaning-and-laundry.html>
5. <https://www.rinse.com/blog/care/what-is-dry-cleaning/>
6. https://fleming.ca.uky.edu/files/clothing_storage.pdf
7. <https://www.home-storage-solutions-101.com/clothes-storage.html>

| Course Code 23UCFA11 | 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 | 3 | 3 | 2 | 2 | - | - | - | - | - | - |
| CO2 | 3 | 3 | 2 | 2 | - | - | - | - | - | - |
| CO3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | - | - | - |
| CO4 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | - | - | - |
| CO5 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | - | - | - |

Strong(3) Medium (2) Low (1)

Mrs.J.Athirstam
Head of the Department

Ms. S.Betsy Sherin
Course Designer



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VIRUDHUNAGAR - 626 001

B.Sc Costume Design and Fashion

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| | | | |
|-----------------------------------|--------------------------------------|----------------|----------------|
| Semester I | HOME TEXTILES PRACTICAL I | Hours/Week: 2 | |
| Elective Course– I Practical I | | Credits: 1 | |
| Course Code 23UCFA11P | | Internal 40 | External 60 |

COURSE OUTCOMES

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

CO1: select the appropriate raw materials and principles involved in developing home furnishing accessories. [K2]

CO2: illustrate the basic drafting and stitching procedure for preparing household accessories. [K2]

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: find out the factors influencing the preparation of home accessories. [K3]

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

10. Stain Removal – Vegetable Stain

Industrial Visit

| Course Code 23UCFA11P | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 |
|----------------------------------|----------|----------|----------|----------|----------|----------|----------|
| | PSO 1 | PSO 2 | PSO 3 | PSO 4 | PSO 5 | PSO 6 | PSO 7 |
| CO1 | 3 | 2 | 1 | 2 | 2 | - | - |
| CO2 | 3 | 2 | 2 | 2 | 2 | - | - |
| CO3 | 3 | 2 | 3 | 2 | 2 | - | - |
| CO4 | 3 | 2 | 3 | 3 | 2 | 2 | - |
| CO5 | 3 | 2 | 2 | 3 | 2 | - | - |

Strong(3) Medium (2) Low (1)

Mrs.J.Athirstam
Head of the Department

Ms. S.Betsy Sherin
Course Designer



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| | | | |
|--------------------------------|---|----------------|----------------|
| Semester I | INTRODUCTION TO GARMENT CONSTRUCTION | Hours/Week:2 | |
| SEC-1 Foundation Course | | Credits:2 | |
| Course Code 23UCFF11 | | Internal 25 | External 75 |

COURSE OUTCOMES

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

CO1: state 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: describe the importance of garment components in clothing construction to make attire. [K1]

CO3: explain the types and methods of making attire in garment construction. [K2]

CO4: discuss the construction techniques and applications of the basics of clothing construction in an attractive way. [K2]

CO5: trace the factors to be considered while making the basics of clothing construction and discover the trendy garments.[K2]

UNIT I Essentials of Sewing

Parts and functions of a single needle machine. Essential tools—cutting tools, measuring tools, marking tools, embroidery tools, general tools and pressing tools. (6Hours)

UNIT II Dress Making

Selection of fabric- factors to be considered in selection. Grain importance of grain in fabric construction. Stitches— meaning, types —temporary stitches and permanent stitches. (6Hours)

UNIT III Seams and Seam Finishes

Seams- meaning, types - plain, single top, double top, french, flat fell, welt, lapped, piped and slot seam. Seam finishes-meaning, types-herringbone, pinked, edge stitched, double stitched finish. (6 Hours)

UNIT IV 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. (6 Hours)

UNIT V Sleeves and Yokes

Sleeves – making patterns of different types of sleeves, constructing different types of sleeves- plain, puff, leg – o – mutton, raglan and kimono. Yokes – selection of yoke design, creating variety in yoke design, preparing patterns for different types of yokes, hints on attaching yokes. (6Hours)

TEXTBOOK

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

REFERENCEBOOKS

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 23UCFF11 | 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 | 3 | 3 | 2 | 2 | - | - | - | - | - | - |
| CO2 | 3 | 3 | 2 | 2 | - | - | - | - | - | - |
| CO3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | - | - | - |
| CO4 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | - | - | - |
| CO5 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | - | - | - |

Strong(3) Medium (2) Low (1)

Mrs.J.Athirstam
Head of the Department

Mrs.J.Athirstam
Course Designer



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| | | | |
|--------------------------------|-----------------------------------|----------------|----------------|
| Semester II | PATTERN MAKING AND GRADING | Hours/Week: 5 | |
| Core Course –3 | | Credits: 5 | |
| Course Code 23UCFC21 | | Internal 25 | External 75 |

COURSE OUTCOMES

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

CO1: state 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: explain the rules, methods and principles followed in creating a garment. [K2]

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

CO5: apply the procedure for taking body measurements for ladies and gentlemen and make use of pattern grading, pattern layout and pattern making and analyze the problems in a garment and alter it with a good fit. [K3]

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. (15 Hours)

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. (15 Hours)

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. (15 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. (15 Hours)

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. (15 Hours)

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 Was hall 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). Patternmaking for Fashion Design, 5th Edition. India:

Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]

1. <http://epgp.inflibnet.ac.in/Home/ViewSubject?catid=827>
2. <https://fashion2apparel.blogspot.com/2017/03/pattern-grading-methods-apparel.html>
3. <https://textilelearner.blogspot.com/2014/10/a-focus-on-garments-fitting.html>
4. <https://www.fibre2fashion.com/industry-article/5658/basics-of-pattern-making>

| Course Code 23UCFC21 | 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 | 3 | 3 | 2 | 2 | - | - | - | - | - | - |
| CO2 | 3 | 3 | 2 | 2 | - | - | - | - | - | - |
| CO3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | - | - | - |
| CO4 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | - | - | - |
| CO5 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | - | - | - |

Strong(3) Medium (2) Low (1)

Mrs.J.Athirstam

Head of the Department

Mrs.L.Devimuthumari

Course Designer



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B.Sc. Costume Design and Fashion

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| | | | |
|---------------------------------|---|----------------|----------------|
| Semester II | FUNDAMENTALS OF APPAREL MAKING PRACTICAL | Hours/Week:3 | |
| Core Course – 4 | | Credits:2 | |
| Practical-II | | Internal 40 | External 60 |
| Course Code 23UCFC21P | | | |

COURSE OUTCOMES

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

- CO1: illustrate the stitches, seams, seam finishes, fullness, plackets, neck finishes, fasteners and components needed for the basics of apparel making. [K2]
- CO2: explain the methods involved in stitching the fundamentals of apparel making. [K2]
- CO3: apply the technical skills needed for making the fundamentals of apparel making. [K3]
- CO4: construct the samples needed for the basics of apparel making. [K3]
- CO5: prepare record with miniature samples needed for garment construction. [K3]

1. Preparation Samples for the Following

1. Basic hand stitches - temporary stitches, permanent stitches
2. Seams – Plain seam, top stitched seam, flat fell seam, piped seam, lapped seam.
3. Seam Finishes – double stitch, edge stitched, over lock (optional)
4. Darts– single and double.
5. Tucks – Pin tuck, cross tuck, group tucking.
6. Neck line Finishes – Bias facing, Bias binding and Shaped facing.
7. Plackets – continuous placket, bound placket and faced placket, zipper placket, tailored placket.
8. Fasteners – Press buttons, Hook and eye, Button and Button hole.
9. Pocket–Patch pocket, side seam pocket, bound and faced pocket.

2. Prepare Miniature Samples for the following

1. Skirt – pleated skirt, gathered skirt, circular skirt.
2. Sleeve – Plain sleeve, Magyar Sleeve, Raglan Sleeve.
3. Collar – Flat collar (any type), Open collar
4. Simple Yoke

TEXTBOOKS

1. Mary Mathews, (1986). *Practical Clothing Construction–Part I*, Chennai: Cosmic Press.
2. Mary Mathews, (1986). *Practical Clothing Construction – Part II*, Chennai: Cosmic Press.
3. Zarapker. K.R. (1994). *Zarapker system of cutting*, Navneet publications Ltd.

REFERENCEBOOKS

1. Digest,R.(1997). *Complete Guideto Sewing*, 13th Edition. New York: The Readers Digest Association In.
2. Hosegood,B.(2006). *The Complete Book of Sewing*, London: Dorling Kindersley Limited.
3. Readers Digest A. (1993). *Sewing and Knitting–, Step-by- Step Guide*, Australia:
4. Readers Digest Pvt Ltd.
5. Ville,P.Stolpe Luis,V.(1973). *Comparative clothing construction Techniques*, Delhi: Surjeeth Publications.

Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]

1. <http://epgp.inflibnet.ac.in/Home/ViewSubject?catid=827>
2. <https://fashion2apparel.blogspot.com/2017/03/pattern-grading-methods-apparel.html>
3. <https://textilelearner.blogspot.com/2014/10/a-focus-on-garments-fitting.html>
4. <https://www.fibre2fashion.com/industry-article/5658/basics-of-pattern-making>

| Course Code 23UCFC21P | 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 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | - | - | - |
| CO 2 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | - | - | - |
| CO 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | - | - |
| CO 4 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | - |
| CO 5 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | - | - |

Strong(3) Medium (2) Low (1)

Mrs.J.Athirstam
Head of the Department

Mrs.J.Athirstam
Course Designer



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B.Sc. Costume Design and Fashion

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| | | | |
|--------------------------------|------------------------|----------------|----------------|
| Semester II | HOME FURNISHING | Hours/Week:4 | |
| Elective Course -I | | Credits:3 | |
| Course Code 23UCFA21 | | Internal 25 | External 75 |

COURSE OUTCOMES

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

CO1: state the concepts and objectives of home textiles, furnishing accessories, floor and wall coverings. [K1]

CO2: classify the types of home textiles, floor coverings, soft furnishing, door and window treatments. [K2]

CO3: trace the significance and uses of the appropriate furnishing materials for various home furnishing. [K2]

CO4: apply the techniques involved in furnishing the home with suitable accessories. [K3]

CO5: find out the factors to be considered while planning to furnish the home and care and maintenance of home furnishing materials. [K3]

UNIT I Home Textiles

Introduction to home textiles, definition, types of home textiles, factors influencing selection of home textiles, recent trends in home textiles. (12Hours)

UNIT II Floor and Wall Coverings

Floor and wall coverings—definition, types of floor covering—hard, soft and resilient floor coverings and uses and care and maintenance of floor coverings. Wall covering - definition, uses, care and maintenance of wall coverings. (12Hours)

UNIT III Door and Window Treatments

Door and window treatments – definition and parts of door and windows, curtains and draperies—definition and materials used for curtains and draperies. Types of Curtains—draw,

tailored, pleated, cafe, three tier curtains. Types of Draperies – swags. Accessories-rods hook, rails, racks, curtain Tape pins. (12Hours)

UNIT IV Soft Furnishings for Living and Bed Linen

Introduction to living and bed room linens, types sofa, sofa covers, wall hangings, cushion, cushion covers, upholsteries, bolster and bolster covers ,bed sheets, covers, blankets, blanket covers, comfort and comfort covers, bed spreads ,mattress and mattress covers, pillow and pillow covers, pads, uses and care. (12Hours)

UNIT V Soft Furnishings for Kitchen and Dining

Soft furnishings for kitchen and dining, types of kitchen linens–kitchen towel, aprons, dish cloth, fridge, grinder and mixie covers, mittens, fridge holders–their uses and care. Types of dining – table mat, dish / pot holders, cutlery holder, fruit baskets, hand towels-uses and care. Bath room linens–types, uses and care. (12Hours)

TEXTBOOKS

1. Cheryl Mendelson, (2005). *Home Comforts- The Arts and Science of Keeping Home*, New York: Scriber publishing.
2. Hamlyn Octopus, (2001). *Cushions and Pillows – Professional Skills–Made Easy*, New York: Octopus Publishing Group.
3. Maggi McMc Cormick Gordon, (2002). *The Ultimate Sewing Book 200 Sewing Ideas For You and Your Home*, London :Collins and Brown publishing.

REFERENCEBOOKS

1. Heather Luke (1999). *Design and make curtains*, London: New Holland publishers.
2. Harriet Goldstein and Vetta Goldstien, (2004). *Art in Everyday Life*, USA: The Macmillian Company,
3. Subrata Das, (2010). *Performance of Home Textiles*, India: Wood head Publishing Pvt. Limited.
4. Susie Johns, (1997). *Cornucopia of Cushions*, London: Apple Press.
5. V.Ramesh Babu and S.Sundaresan, *Home Furnishing*, Woodhead Publishing Pvt. Limited. 2018

Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]

1. <https://www.homestratosphere.com/types-curtains/>
2. <https://bettersleep.org/mattress-education/mattress-accessories/pillow-types/>

3. <https://textilecourse.blogspot.com/2018/06/types-classification-home-textiles.html>
4. <https://www.fibre2fashion.com/industry-article/1769/home-textiles-a-review>
5. <http://www.india-crafts.com/textile/home-textile.html>

| Course Code | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 |
|--------------------|----------|----------|----------|----------|----------|----------|----------|
| 23UCFA21 | PSO 1 | PSO 2 | PSO 3 | PSO 4 | PSO 5 | PSO 6 | PSO 7 |
| CO1 | 2 | 2 | - | - | 3 | - | - |
| CO2 | 3 | 2 | - | - | 3 | - | - |
| CO3 | 3 | 2 | - | - | 3 | - | - |
| CO4 | 3 | 2 | 3 | 2 | 3 | - | 2 |
| CO5 | 3 | 2 | 3 | 2 | 3 | - | - |

Strong(3) Medium (2) Low (1)

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

(for those who join in 2023-2024)

| | | | |
|------------------------------------|-----------------------------------|----------------|----------------|
| Semester II | HOME TEXTILES PRACTICAL II | Hours/Week: 2 | |
| Elective Course I Practical- II | | Credits: 1 | |
| Course Code 23UCFA21P | | Internal 40 | External 60 |

COURSE OUTCOMES

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

CO1: select the appropriate raw materials and principles involved in developing home furnishing accessories. [K2]

CO2: illustrate the basic drafting and stitching procedure for preparing household accessories. [K2]

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

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

CO5: find out the factors influencing the preparation of home accessories. [K3]

PRACTICAL

❖ Preparation of art items

1. Cafe Curtain
2. Bread Basket
3. Pot Holder
4. Oven Mitten
5. Chair Pads
6. Table Runners
7. Bolster

8. Stain Removal – Animal Stain
9. Dry Cleaning – Demonstration
10. Marketing of the prepared items

| Course Code 23UCFA21P | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 |
|----------------------------------|----------|----------|----------|----------|----------|----------|----------|
| | PSO 1 | PSO 2 | PSO 3 | PSO 4 | PSO 5 | PSO 6 | PSO 7 |
| CO1 | 3 | 2 | 1 | 2 | 2 | - | - |
| CO2 | 3 | 2 | 2 | 2 | 2 | - | - |
| CO3 | 3 | 2 | 3 | 2 | 2 | - | - |
| CO4 | 3 | 2 | 3 | 3 | 2 | 2 | - |
| CO5 | 3 | 2 | 2 | 3 | 2 | - | - |

Strong(3) Medium (2) Low (1)

Mrs.J.Athirstam
Head of the Department

Ms. S.Betsy Sherin
Course Designer



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| | | | |
|---------------------------------|----------------------------|------------------------|----------------|
| Semester II | MS OFFICE PRACTICAL | Hours /Week: 2 (1T/1P) | |
| SEC-2 | | Credits: 2 | |
| Course Code 23UCFS21P | | Internal 40 | External 60 |

COURSE OUTCOMES

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

CO1: write the formula and procedure for MS Office applications. [K2]

CO2: trace the MS Office applications to create documents, spread sheets and power Points. [K2]

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: identify the formatting options and shortcut keys in MS Office. [K3]

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

- 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.

REFERENCEBOOKS

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

| Course Code 23UCFS21P | PO1 | | PO2 | | PO3 | PO4 | | PO5 | PO6 | 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 |
| CO1 | 3 | 2 | 3 | 3 | 2 | 2 | 3 | - | - | - |
| CO2 | 3 | 2 | 3 | 3 | 2 | 2 | 3 | - | - | - |
| CO3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | - | - |
| CO4 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | - |
| CO5 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | - | - |

Strong(3) Medium (2) Low (1)

Mrs.J.Athirstam
Head of the Department

Ms.L.Devimuthumari
Course Designer



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VIRUDHUNAGAR

Quality Education with Wisdom and Values

B.Sc. Costume Design and Fashion (for those who join in 2023-2024)

| | | | |
|--------------------------------|------------------------|----------------|----------------|
| Semester III | FIBRE TO FABRIC | Hours/Week:5 | |
| Core Course - 5 | | Credits:5 | |
| Course Code 23UCFC31 | | Internal 25 | External 75 |

COURSE OUTCOMES

On completion of the course, students will be able to

CO1: describe the parts and functions of loom and show the objectives, elements, concepts of various textile fibres, yarns, knitting, non-woven and the mechanism of weaving. [K1]

CO2: explain the types and importance of natural and synthetic fibres, yarns, looms and knitting. [K2]

CO3: trace the properties and characteristics of fibres, yarns, threads and the preparatory process of weaving and principles of knitting in textile industry. [K2]

CO4: identify the various fibres and find the changes that occur in the processing of fibres and threads. [K3]

CO5: utilize the applications and end uses of fibres, nonwovens, threads and the comparison of yarns and advantages of looms. [K3]

UNIT I Fiber Classification, Natural Fibres

Introduction to textiles fibres – classification of fibres–primary and secondary characteristics of textile fibers manufacturing process, properties and uses of natural fibres – cotton, linen, Jute, silk, wool. Brief study about Organic Cotton, woollen and worsted yarn, types of silk. (15Hours)

UNIT II Regenerated and Synthetic Fibres

Manufacturing process, properties, and uses of man-made fibres – viscose rayon, nylon, polyester, acrylic. Brief study on polymerization, bamboo, spandex, micro fibres & its properties. Texturization: Objectives, types of textured yarns & methods of texturization.

(15Hours)

UNIT III Yarn manufacturing

Spinning – definition and classification; chemical and mechanical spinning; cotton yarn production sequence and objectives - opening, cleaning, doubling, carding, combing, drawing, roving, spinning. Comparison of carded and combed yarn. Yarn-definition and classification-simple and fancy yarns. Manufacturing process of sewing threads–cotton and synthetic. Yarn numbering systems – significance of yarn twist. (15 Hours)

UNIT IV Weaving Mechanism

Classification of fabric forming methods – weaving preparatory processes and its objectives –warping, sizing and drawing–in. Weaving mechanism-primary, secondary & auxiliary motions of a loom. Parts and functions of a simple loom; classification of looms salient features of automatic looms; Shuttle looms, its advantages-Types of shuttle less looms–rapier–projectile–air jet–water jet. (15 Hours)

UNIT V Knitting and Non-Woven Fabrics

Knitting-definition, classification. Principles of weft and warp knitting – Terms of weft knitting. Knitting machine elements. Classification of knitting machines. Characteristics of basic weft knit structures. Introduction to non-wovens – application and uses. (15 Hours)

TEXT BOOKS

1. Deepali Rastogi, Sheetal Chopra, (2017). *Textile Science*, Hyderabad: Orient Black swan Private Limited.
2. A R Horrocks and S C Anand, (2016). *Handbook of Technical Textiles Volume I-* England: Woodheadpublishing Ltd.
3. A R Horrocks and SCAnand, (2000). *Hand book of Technical Textiles*-Wood England: Head publishing Ltd.
4. Richard Horrocks and Subhash C.Anand, (2016). *Hand book of Technical Textiles, Volume2: Technical Textile Applications*, England: Wood Head publishing Ltd.

REFERENCE BOOKS

1. Elena V, Chepelyuk, Palitha Bandara and Valeriy VChoogin (2013). *Mechanisms of Flat Weaving Technology*, UK: Wood head Publishing series in Textiles.
2. Gohl,E.P.G.Velensky,L.D.(2003).*Textile Science*, India: CBS Publishers and Distributors.
3. Ganapathy Nagarajan, (2014). *Textile Mechanisms in Spinning and Weaving Machines*, India: Wood head Publishing Indian Textiles.
4. Hall, A.J., (2004).*The Standard Hand Book of Textile*, 8th Edition. England: Cambridge, Wood Head Publishing.
5. Menachem Lew in and Stephen B Sello, Marcel Dekker, (1984). *Hand book of fiber science and Technology*, New York: CRC Press Inc.
6. Pushpanjali, (2016). *Simulation for Textile Mechanics*, New Delhi: Random Publications.
7. Sara, J. Kadolph, (2007). *Textiles*, 10th Edition. USA: Prentice Hall, Iowa State University.
8. SandeepRoy, (2016). *Mechanical Tools of Fabric Construction*, New Delhi: Random Publications.
9. Sangeeta Singh, (2014).*Yarn Technology*, New Delhi: Sonali Publications.
10. Seema Sekhri, (2017).*Text Book of Fabric Science Fundamentals to Finishing*, 2nd Edition. New Delhi: PHIL earning Private Limited.
11. Vidyasagar, P.V. (2005).*Hand Book of Textile*, India: A. Mittal Publications.

Related Online Contents[MOOC, SWAYAM, NPTEL, Websites etc.]

1. <http://textilefashionstudy.com>
2. <https://fashion2apparel.blogspot.com/2017/07/classification-loom.html>
3. <https://www.inda.org/about-nonwovens/>

| Course Code 23UCFC31 | 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 | 3 | 3 | 3 | 3 | - | - | - | - | - | - |
| CO2 | 3 | 3 | 3 | 3 | - | - | - | - | - | - |
| CO3 | 3 | 3 | 3 | 3 | - | - | - | - | - | - |
| CO4 | 3 | 3 | 3 | 3 | 3 | 1 | 1 | - | - | - |
| CO5 | 3 | 3 | 3 | 3 | 3 | 1 | 2 | 2 | - | - |

Strong (3) Medium (2) Low(1)

Mrs.J.Athirstam

Head of the Department

Ms.L.Devimuthumari

Course Designer



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VIRUDHUNAGAR

Quality Education with Wisdom and Values

B.Sc. Costume Design and Fashion (for those who join in 2023-2024)

| | | | |
|---------------------------------|---|----------------|----------------|
| Semester III | GARMENT CONSTRUCTION – CHILDREN'S WEAR PRACTICAL | Hours/Week:5 | |
| Core Course -6 Practical III | | Credits:3 | |
| Course Code 23UCFC31P | | Internal 40 | External 60 |

COURSE OUTCOMES

On completion of the course, students will be able to

CO1: trace the paper patterns for various children's wear. [K2]

CO2: write the stitching procedure for the designed children's wear. [K2]

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

CO4: calculate cost for the designed children's garment [K3]

CO5: prepare record and develop the new trends in making apparels for children's wear. [K3]

1. Design, draft and construct the following garments for a child

- Bib
- Panty
- Jabla
- Knicker
- Baba suit
- A - line frock
- Summer frock
- Midi and top
- Frock-Party wear

TEXT BOOKS

1. Mary Mathews, (1986). *Practical Clothing Constructing-Part I and II*, Cosmic Press, Chennai:
2. Zarapker. Kltd.R,(2008). *Zarapker System of Cutting*, Delhi: Navneet Publications.

REFERENCE BOOKS

1. Digest, R.(1976). *Complete Guide to Sewing*, New York : The Reader's Digest Association, the Pleasant Ville.
2. Gayatri Verma & Kapil Dev, (2009). *Cutting and tailoring Course, India*: Computech Publications.
3. Rosalie,P.Giles,(1978). *Needle Work*, London : Methuen Educational.

Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]

1. <http://epgp.inflibnet.ac.in/Home/ViewSubject?catid=827>
2. <https://www.youtube.com/watch?v=nI-ShbmnuVg>
3. <https://www.youtube.com/watch?v=LuazkYL0J3A>
4. <https://www.youtube.com/watch?v=zLkNgkzx-wI>

| Course Code 23UCFC31P | 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 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | - |
| CO2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | - |
| CO3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | - |
| CO4 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | - |
| CO5 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | - |

Strong (3) Medium (2) Low (1)

Mrs.J.Athirstam

Ms.L.Dervimuthumari

Head of the Department**Course Designer**



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VIRUDHUNAGAR

Quality Education with Wisdom and Values

B.Sc. Costume Design and Fashion (for those who join in 2023-2024)

| | | | |
|--|---|----------------|----------------|
| Semester III | ORNAMENTS AND ACCESSORY MAKING PRACTICAL | Hours/Week:4 | |
| Elective Course II Practical – II | | Credit: 3 | |
| Course Code 23UCFA31P | | Internal 40 | External 60 |

COURSE OUTCOMES

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

CO1: select the appropriate raw materials for preparing ornaments and accessories. [K2]

CO2: write the procedure involved in preparing the ornaments and accessories. [K2]

CO3: prepare the ornaments and accessories with innovative ideas. [K3]

CO4: calculate the cost of the prepared items and prepare the record. [K3]

CO5: apply the aesthetic sense to enhance the personality of the person. [K3]

PRACTICALS

I. Create the following accessories with fabric

- Handbag/cellphone pouch
- Slippers or shoes
- Belt for men and women
- Mask and Gloves

II. Create the following ornaments

- Hair ornaments
- Ear ornaments

- Neck ornaments
- Hand ornaments
- Finger ornaments
- Hip ornaments
- Legs ornaments
- Head fascinators

III. Create set of ornaments to suit address

Set of ornaments for bridal wear/fashion show/office wear/casual wear/dance costumes.

TEXT BOOKS

1. Jinks Mc Grath, (2007). *Jewellery Making, A Complete Course for Beginners*, UK: Apple Press.
2. Thames and Hudson, (2010). *The Work bench Guide to Jewellery Techniques*, New York: Anastasia Young, publisher.

REFERENCEBOOK

1. Lisa Lam, Amy Butler, (2010). *The Bag Making Bible: The Complete Creative Guide to Sewing Your Own Bags*, UK: David & Charles, Publisher.

Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]

- 1 <https://www.youtube.com/watch?v=pdwJZZSUjfs>
2. <https://www.youtube.com/watch?v=4jNCJm3j0ec>
3. <https://www.youtube.com/watch?v=RehISbeKeMo>
4. <https://www.youtube.com/watch?v=bpjpvxos200>
5. <https://www.youtube.com/watch?v=7OTfnxojulM>

| Course Code 23UCFA31P | 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 | 3 | 3 | 1 | 1 | 1 | 2 | 2 | 2 | 1 | - |
| CO 2 | 3 | 3 | 1 | 1 | 1 | 2 | 2 | 2 | 1 | - |
| CO 3 | 3 | 3 | 1 | 1 | 2 | 1 | 1 | 2 | - | - |
| CO 4 | 3 | 3 | 2 | 1 | 1 | - | - | 2 | - | - |
| CO 5 | 3 | 3 | 2 | 1 | 1 | - | - | 2 | - | - |

Strong (3) Medium (2) Low (1)

Mrs.J.Athirstam

Head of the Department

Ms.S.Betsy Sherin

Course Designer



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| | | |
|---------------------------------|---|-----------------|
| Semester III | SURFACE EMBELLISHMENTS PRACTICAL | Hours/Week:1 |
| SEC- 3 | | Credits:1 |
| Course Code 23UCFS31P | | Internal 100 |

COURSE OUTCOMES

On completion of the course, students will be able to

CO1: select suitable design, threads and colours for making of hand, machine and advanced embroidery stitches, applique, patch work, quilt and smocking. [K2]

CO2: write the procedures to make embroidery stitches. [K2]

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

CO4: find out the cost for surface embellishment. [K3]

CO5: prepare record with the samples of hand, machine and advanced embroidery stitches, applique, patch work, quilt and smocking. [K3]

1. Create hand embroidery samples (10stitches and 5samples)

- Outline stitches
- Filling stitches
- Loop stitches
- Cross stitches

2. Create embroidery samples using machine

- Running stitch

- Satin stitch
- Granite stitch
- Cording
- Needle cording

3. Create the following samples

- Beadwork
- Sequin work
- Ribbon embroidery
- Mirror work
- Drawn thread work

4. Create samples with applique, patch work and quilt (any2types)

- Applique
- Simple/Geometric patchwork
- Quilting

5. Create samples with smocking

- French smocking (any3types)
- Chinese smocking

Text Books

1. Megan Eckman, (2020). *Every day Embroidery for Modern Stitchers*, United Kingdom: C& T Publishing,
2. Shailaja DNaik, (1996). *Traditional Embroideries of India*, India: APH Publishing,

Reference Books

1. Betty Barnden., (2003). *The Embroidery Stitch Bible*, Kent: Search press Ltd.
2. Kate,H.(2012). *A Comprehensive Guide to 225 Embroidery Stitches and Technique*, U.K: The Stitch Bible.

3. Kooler,D.(2000). *Donna Encyclopedia of Needle work*, U.S.A: Leisure Art Inc.
4. Naik,S.D.(2020). *Traditional Embroideries of India*, New Delhi: APH Publishing Corporation.
5. Country Bumpin, (2015). *A-Z of Ribbon Embroidery*, UK: Kathy Troup Editor. Search press.
6. Libby Moore, (2019). *Thread Folk: A Modern Makers Book of Embroidery Projects and Artist Collaborations*, Australia: Paige Tate &Co,

| Course Code 23UCFS31P | 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 |
| CO1 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | - | - | - |
| CO2 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | - | - | - |
| CO3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | - | - | - |
| CO4 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | - |
| CO5 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | - | - |

Strong (3) Medium(2) Low(1)

Mrs.J.Athirstam

Head of the Department

Ms.L.Devimuthumari

Course Designer



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| | | | |
|---------------------------------|----------------------------------|----------------|----------------|
| Semester III | FIBRE TO FABRIC PRACTICAL | Hours/Week:2 | |
| SEC - 4 | | Credits:2 | |
| Course Code 23UCFS32P | | Internal 40 | External 60 |

COURSE OUTCOMES

On completion of the course, students will be able to

CO1: identify the textile fibres by microscopic test, flame test and chemical test. [K2]

CO2: write the procedure to be followed in testing of fibres, yarns and fabric. [K2]

CO3: make use of the technical skills needed for testing fabric. [K3]

CO4: apply the techniques of testing yarns and fibres. [K3]

CO5: prepare the record and obtain the result in testing the textiles. [K3]

1. Identification of textile fibres

- Microscopic method
- Flame test.
- Chemical test

2. Testing of yarn and fibres

- Yarn count using wrap reel
- Yarn count using besley's balance
- Twist of the yarn

3. Testing of fabric

- Fabric weight
- Fabric count by ravelling method
- Fabric count with pick glass
- Course length and loop length of knitted fabric
- Colour fastness to washing

- Tests of shrinkage
- Tests of absorbency

Text Books

1. Corbman BP, (1985). *Textiles Fibre to Fabric*, Singapore: International Students Edition, Mc.Graw Hill book Co.
2. Isabel Barnum Wingate, (1964). *Textile fabrics and their Selection*, India: Published by Prentice-Hall.

Reference Books

1. Max M.Houck, (2009). *Identification of Textile Fibres*, New Delhi: 1st Edition, Wood head Publishing in Textiles, Cambridge.
2. Gohi, (2005). *Textile science*, India: CBS Publishers and Distributors.

Related Online Contents[MOOC, SWAYAM, NPTEL, Websites etc.]

1. <https://textilelearners.com/textile-fibers-identification-process/>
2. <https://www.textilesphere.com/2020/04/identification-of-textile-fibers.html>

| Course Code 23UCFS32P | 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 | 3 | 3 | 3 | 3 | 1 | - | 1 | 1 | - | - |
| CO2 | 3 | 3 | 3 | 3 | 1 | - | 1 | 1 | - | - |
| CO3 | 3 | 3 | 3 | 3 | 1 | - | 1 | 1 | - | - |
| CO4 | 3 | 3 | 3 | 3 | 1 | - | 1 | 1 | - | - |
| CO5 | 3 | 3 | 3 | 3 | 1 | - | 1 | 1 | - | - |

Strong (3)

Medium(2)

Low(1)

Mrs.J.Athirstam

Ms.S.Betsy Sherin

Head of the Department

Course Designer



V.V.VANNIAPERUMAL COLLEGE FOR WOMEN

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VIRUDHUNAGAR

Quality Education with Wisdom and Values

B.Sc. Costume Design and Fashion

(for those who join in 2023-2024)

| | | | |
|--------------------------------|---|----------------|----------------|
| Semester IV | INDUSTRIAL GARMENT MACHINERIES | Hours/Week:5 | |
| Core Course -7 | | Credits:5 | |
| Course Code 23UCFC41 | | Internal 25 | External 75 |

COURSE OUTCOMES

On completion of the course, students will be able to

- CO1: describe the parts and functions of sewing machineries and show the importance of tools and equipments needed for stitching, spreading, marking, cutting, pressing and package forms. [K1]
- CO2: classify the types of sewing machines and the equipments needed for sewing, cutting, marking, pressing, packaging and the mechanism of sewing. [K2]
- CO3: explain the methods and functions of sewing, cutting, marking, packing and pressing equipments needed for an apparel industry. [K2]
- CO4: identify the principles of various equipments and utilize its techniques in garment manufacturing industry and find out the qualities of sewing threads and the common problems that are faced while sewing. [K3]
- CO5: make use of the requirements of marker planning and the usage of technological equipment and identify the federal standards of stitches and seams. [K3]

Unit I Stitching Mechanism

Stitching mechanism Needles, bobbin and bobbin case, bobbin winding, loops and loop Spreader, 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 fed, needle feed, compound feed, unison feed, puller feed.

(15 Hours)

Unit II Cutting and Spreading Methods

Spreading – Types of spread and its quality, parts and functions of spreading equipment, spreading methods. Marking methods, positioning marking types of markers, efficiency of a marker plan, requirements of marker planning.

(15 Hours)

Unit III Marking and Pressing Methods

Cutting equipment Parts and functions of Straight knife cutting machine, rotary cutting machine, band knife cutting machine, die cutters. Pressing–purpose, pressing equipment's and methods – iron, steam press, steam air finisher, steam tunnel, special types –pleating, permanent.

(15 Hours)

Unit IV Sewing Machineries

Sewing machineries - classification of sewing machines, parts and functions of single needle lockstitch machine, over lock machine, bar tacking machine, button hole machine, button fixing machine, blind stitching machine, fabric examining machine. Special attachments, care and maintenance of sewing machines, common problems and remedies.

(15 Hours)

Unit V Packaging, Sewing Threads, Stitches and Seams

Garment packaging – types of package forms, sewing threads-types, essential qualities of a sewing thread federal standards for stitch and stitch classification, federal standards for seam and seam classification. Introduction to AI in textile industry.

(15 Hours)

TEXT BOOKS

1. David, J. Tyler, (2008) *Carr and Latham's Technology of Clothing Manufacture*, 4th Edition. Australia: Blackwell Publications.
2. Harold Carr and Barbara Latham, (1994). *The Technology of Clothing Manufacture*, UK: Black well Science,
3. Jacob Solinger, (1988). *Apparel Manufacturing Hand book: Analysis, Principles and Practice*, Blenheim: 2nd Edition, Bobbin Blenheim Media Corp,

REFERENCE BOOKS

1. Chuter, A.J. (2011). *Introduction to Clothing Production Management*, 2nd Edition. New Delhi: Wiley India Edition.
2. Coles MSew, (1977). *A complete guide for sewing*, Singapore: Heinemann Professional Publishing
3. Reader's Digest Sewing guide, Complete Guide to Sewing 13th Edition, The Reader's Digest Association Inc, Pleasant Ville, 1997.
4. Federal Standard, (1977). *Stitches Seams and Stitching*, U.S. General Sewing Administration.
5. Seema Kapoor, (2016). *Apparel Manufacturing Technology*, New Delhi: Sonali Publications.

Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]

1. <https://clothingindustry.blogspot.com/2018/04/packaging-process-garment-industry.html>
2. <https://www.youtube.com/watch?v=palmFFnMT1E>
3. https://www.youtube.com/watch?v=67K0RMJVB_U
4. <https://www.youtube.com/watch?v=HIBcn9IgirC>
5. <https://www.youtube.com/watch?v=QOofEoJQyro>

| Course Code 23UCFC41 | 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 | 3 | 2 | 3 | 2 | - | - | - | - | - | - |
| CO2 | 3 | 2 | 3 | 2 | - | - | - | - | - | - |
| CO3 | 3 | 3 | 3 | L | - | - | - | - | - | - |
| CO4 | 3 | 3 | 3 | 1 | 3 | 3 | 1 | - | - | - |
| CO5 | 3 | 3 | 3 | 1 | 3 | 3 | 1 | - | - | - |

Strong (3) Medium (2) Low(1)

Mrs.J.Athirstam
Head of the Department

Mrs.J.Athirstam
Course Designer



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B.Sc. Costume Design and Fashion

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| | | | |
|--------------------------------|------------------------------------|----------------|----------------|
| Semester IV | FABRIC STRUCTURE AND DESIGN | Hours/Week:4 | |
| Core Course - 8 | | Credits:4 | |
| Course Code 23UCFC42 | | Internal 25 | External 75 |

COURSE OUTCOMES

On completion of the course, students will be able to

CO1: identify the objectives, functions and explain the concepts of weaves, figured

fabrics, pile fabrics and double cloth fabrics. [K1]

CO2: classify the types of weaves and discover the methods of woven formation. [K2]

CO3: illustrate the importance and construction and salient features of fabric structure and design. [K2]

CO4: find out the techniques involved in the processing of weaving and identify the characteristics and applications of woven fabrics. [K3]

CO5: apply the principles to draft the peg plan for various weaves. [K3]

UNIT I Elements of Woven Design

Elements of woven design, methods of fabric representation, draft and lifting plan, construction of elementary weaves plain, warp rib, weft rib, twill, modification of twills, satin and sateen weaves– their derivatives. (12Hours)

UNIT II Types of Weaves

Ordinary and brighten honey comb, its modification, Huckaback and its modifications, crepe weaves, mockleno. (12Hours)

UNIT III Figured Fabrics

Extra warp and extra weft figuring single and two colours, planting, backed fabric, warp and weft backed fabrics. (12Hours)

UNIT IV Pile Fabrics

Pile fabric –formation of pile – weft pile – plain back, twill back – length, density and fastness of pile – Corduroy weft plush. Warp pile –terry pile, with the aid of wires, face to face warp pile. (12Hours)

UNIT V Double Cloth

Double cloth – Classification, Self stitched – Face to back, Back to face, both. Centre stitched–warp and weft. Inter changing double cloth. (12Hours)

TEXT BOOKS

1. Gokarneshan,N.(2016).*Fabric Structure and Design*, 2nd Edition. Chandigarh: New Age International (P)Ltd.

REFERENCE BOOKS

1. CorbmanB.P. GrawHill,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, (2004).*Fabric Structure and Design*, New Delhi: New Age International Publishers Ltd.
4. Gokarneshan,N.(2009).*Weaving Preparation Technology*, Chandigarh: Abhishek Publication.
5. Murphy,W.S.(2001).*Hand book of Weaving*, Chandigarh: Abhishek Publications.
6. Seema Sekhri, (2017).*Text Book of Fabric Science Fundamentals to Finishing*, 2nd Edition. New Delhi: PHI Learning Private Limited

| Course Code 23UCFC42 | 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 | 3 | 3 | 2 | 2 | - | - | - | - | - | - |
| CO2 | 3 | 3 | 2 | 2 | - | - | - | - | - | - |
| CO3 | 3 | 3 | 3 | 3 | 3 | 1 | 1 | - | - | - |
| CO4 | 3 | 3 | 3 | 3 | 2 | 1 | 2 | - | - | - |
| CO5 | 3 | 3 | 3 | 3 | 2 | 1 | 3 | 3 | - | - |

Strong (3) Medium(2) Low(1)

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Head of the Department

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Course Designer



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| | | | |
|-------------------------------------|--------------------------|----------------|----------------|
| Semester IV | DRAPING PRACTICAL | Hours/Week:4 | |
| Elective Course II Practical –II | | Credits:3 | |
| Course Code 23UCFA41P | | 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. [K2]

CO2: write the procedures involved in making a garment. [K2]

CO3: make use of the creative skills to drape different models for bodice and skirts. [K3]

CO4: apply the technical skills needed for making yokes and collars in a dress form. [K3]

CO5: prepare record and patterns for designed garments. [K3]

1. Preparation of body forms

- Mark the chest line with style tape
- Mark the empire/under chest line with style tape
- Mark the waist line with style tape
- Mark the hip line with style tape

2. Preparation of fabric

- Remove creases by ironing the fabric.
- Straighten the fabric

3. Drape the following patterns

- Draping of bodice front
- Draping of bodice back
- Draping of skirt with fullness

4. Drape the following yokes

- Simple yoke
- Yoke with fullness within the yoke shirt yoke
- Midriff yoke

5. Drape the following collars

- Peter pan collar
- Mandarin collar/shirt collar
- Shawl collar/ convertible collar

TEXT BOOKS

1. Connie Amaden-Crawford, (2018) .*The Art of Fashion Draping*, United Kingdom: Bloomsbury Publishing.
2. Helen Joseph and Armstrong, (2013). *Draping for Apparel Design*, 3rd Edition- New York: Bloomsbury Academic.
3. Kiisel Karolyn,H.(2013).*Draping: the complete course*, U.S.A: Laurence King Publishing.

REFERENC EBOOKS

1. Amadan Crawford, C. (2005). *The art of fashion draping*, New York: Fair Child Publications.
2. Connie Amaden,C. (2005). *Theart of fashion draping*. 3rd edition. U.S.A: Laurence King Publishing.
3. Connie Amaden-Crawford, (2007) .*The Art of Fashion Draping*, United Kingdom: Bloomsbury Publishing.
4. Crawford, C. (2005). *The art of Fashion Draping*, 3rd edition. U.S.A: Laurence King Publishing
5. Emeritus, N. &Jaffe, H. (2011).*Draping for fashion design*, 5th Edition. U.S.A: Prentice Hall.
6. Hilde Jaffe, (2000). *Draping for Fashion Design*, US: Prentice Hall.
7. Hilde Jaffe and Nurie Relis, (2005). *Draping for Fashion Design*, Pearson, USA: Prentice Hall.
8. Helen Joseph and Armstrong, (2008).*Draping for Apparel Design* , New York :Bloomsbury Academic,

Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.

1. <https://www.youtube.com/watch?v=hAvjXU9xrOM>
2. <https://www.youtube.com/watch?v=BhG9Sp3UutI>
3. <https://www.moodfabrics.com/blog/intro-to-draping-dress-form-muslin-basics/>
4. <https://fitnyc.libguides.com/fashiondesign/draping>

| CourseCode | PO1 | | PO2 | | PO3 | PO4 | | PO5 | PO6 | PO7 |
|------------|------------|------------|------------|------------|------|------------|------------|------|------|------|
| 23UCFA41P | PSO 1.a | PSO 1.b | PSO 2.a | PSO 2.b | PSO3 | PSO 4.a | PSO 4.b | PSO5 | PSO6 | PSO7 |
| CO1 | 3 | 3 | 2 | 2 | 3 | 3 | 3 | 3 | - | - |
| CO2 | 3 | 3 | 2 | 2 | 3 | 3 | 3 | 3 | - | - |
| CO3 | 3 | 3 | 2 | 2 | 3 | 3 | 3 | 3 | - | - |
| CO4 | 3 | 3 | 2 | 2 | 3 | 3 | 3 | 3 | - | - |
| CO5 | 3 | 3 | 2 | 2 | 3 | 3 | 3 | 3 | - | - |

Strong (3) Medium (2) Low (1)

Mrs.J.Athirstam

Head of the Department

Ms.S.Suvedha

Course Designer



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| | | | |
|---------------------------------|--|----------------|----------------|
| Semester IV | FABRIC STRUCTURE AND DESIGN PRACTICAL | Hours/Week:2 | |
| SEC- 5 | | Credits:2 | |
| Course Code 23UCFS41P | | Internal 40 | External 60 |

COURSE OUTCOMES

On completion of the course, students will be able to

CO1: utilize the principles and develop the peg plan for the basic and decorative weaves.[K2]

CO2: write the procedures involved in making in construction of the weaves.[K2]

CO3: make use of the peg plan and prepare samples for weave. [K3]

CO4: Identify the knitting samples by unravel and graphic representation. [K3]

CO5: construct samples and prepare record for various fabric structures and graphic representation for knitting. [K3]

Analyse the following fabric structures

1. Plain weave and its derivatives

- Warp rib

- Weft rib

2. Twill Weave

- Right hand twill

- Left hand twill

3. Satin and Sateen

4. Honey comb weave

5. Huckaback weave

6. Extra warp figuring

7. Extra weft figuring

Identify knitting samples by unravel and graphic representation

1. Plain knit
2. Rib knit(1x1and2x2)
3. Pique

TEXT BOOKS

1. Anbumani, (2006). *Knitting Manufacture Technology*, Chennai: New Age International.
2. Gokarneshan N, (2004). *Fabric Structure and Design*, New Delhi :New Age International Publishers Ltd,

REFERENCE BOOKS

1. Corbman BP, (1985). *Textiles–Fibre to Fabric*, International Students Edition, Singapore:Mc. GrawHill book Co.
2. DBA Jgaonker, *Knitting Technology*, (1998). Bombay: Universal Publishing Corporation.

Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]

1. <https://textilelearner.blogspot.com/2012/07/what-is-fabric-warp-weft-fabric.html>
2. <http://textilefashionstudy.com/category/fabric-manufacturing-technology-2>
3. <https://feltmagnet.com/textiles-sewing/How-To-Analyze-A-Woven-Fabric>
4. <https://www.textileschool.com/242/weaving-calculations/>

| Course Code 23UCFS41P | 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 | 3 | 3 | 2 | 2 | - | - | - | - | - | - |
| CO2 | 3 | 3 | 2 | 2 | - | - | - | - | - | - |
| CO3 | 3 | 3 | 3 | 3 | - | - | - | - | - | - |
| CO4 | 3 | 3 | 3 | 3 | 3 | - | 1 | - | - | - |
| CO5 | 3 | 3 | 3 | 3 | 2 | - | 1 | 1 | - | - |

Strong (3) Medium (2) Low(1)

Mrs.J.Athirstam
Head of the Department

Ms.S.Suvedha
Course Designer



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| | | | |
|---------------------------------|--|----------------|----------------|
| Semester IV | COMPUTER AIDED DESIGN I PRACTICAL | Hours/Week:2 | |
| SEC -6 | | Credits:2 | |
| Course Code 23UCFS42P | | Internal 40 | External 60 |

COURSEOUTCOMES

On completion of the course, students will be able to

CO1: Understand and practice the tools and techniques for preparing Small Designs/Motifs using CAD. [K2]

CO2: write the procedures involved in designing a garment. [K2]

CO3: make use of the creative skills in designing women's and men's garment. [K3]

CO4: apply the techniques in creating a children's garment. [K3]

CO5: prepare record for the designed garments. [K3]

1. Creating small designs /motifs

- Designs for hand kerchief
- Neck line designs
- Embroidery designs
- Chest prints for t-shirts

2. Create any one children garment design from the following list

- Jabla and Knicker
- Baba Suit
- Frock

3. Create anyone women garment design from the following list

- Gown/Maxi
- Salwar Kameez

- Midi and Tops
- Lehngas

4. Create anyone men garment design from the following list

- SB Vest
- T-Shirt with Bermuda
- Shirt and Pant
- Kurta Pyjama

TEXT BOOKS

1. Ireland Patrick John, (2006). *Fashion Design Drawing & Presentation*, London: BT Batsford Ltd.
2. Ireland Patrick John, (2003). *Fashion Design Illustration: Children*, London: BT Batsford Ltd.
3. Stott, M.(2012). *Pattern cutting for clothing using CAD*, United Kingdom: Wood Head Publishing.

REFERENC EBOOKS

1. Bina Abbing, (2006). *Fashion Sketch Book*, New York: Fair Child Publication.
2. Groover, M., & Zimmers, E. (2012). *CAD/CAM: Computer aided design & manufacturing*, India: Pearson Publications.
3. Ibrahim Zeid, (2006). *Mastering CAD/CAM*, 2nd edition. India; MC Grawhill Education.
4. Josephine Steed, & Frances Stevenson, (2012). *Basics textile design 01: sourcing ideas: researching colour, surface, structure, texture and pattern paper back*, India: Bloomsbury Publishing Private Limited.
5. Melanie Bowles, Ceri Isaac, (2012). *Digital textile design, 2nd edition*, England: Laurence King Publishing.

Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]

1. <https://www.youtube.com/watch?v=iX7O4fNQijA>
2. <https://www.youtube.com/watch?v=8pmgi7q3Gbo>
3. <https://www.youtube.com/watch?v=x8BsIME4gi4>

| Course Code 23UCFS42P | 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 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 1 | - |
| CO2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 1 | - |
| CO3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 1 | - |
| CO4 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 1 | - |
| CO5 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 1 | - |

Strong (3) Medium(2) Low(1)

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Ms.S.Suvedha

Course Designer



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| | | | |
|--------------------------------|---|----------------|----------------|
| Semester V | COSTUMES AND TEXTILES OF INDIA | Hours/Week:6 | |
| Core Course-9 | | Credits:6 | |
| Course Code 23UCFC51 | | Internal 25 | External 75 |

COURSE OUTCOMES

On completion of the course, students will be able to

- CO1: recall the history, origin and evolution of Indian textiles, costumes, jewellerys, embroideries, printing and dyeing across different periods and regions. [K1]
- CO2: classify the various types of traditional Indian costumes, jewellerys embroideries, printed textiles and explain the methods used in their production across different historical periods and states. [K2]
- CO3: interpret the cultural significance, traditional practices and regional variations in the making of Indian textiles, costumes, jewellerys and embroideries. [K2]
- CO4: find out the usage and techniques involved in traditional textile making, costume design, embroidery, jewellery, printing and dyeing of textiles in various regions of India. [K3]
- CO5: Apply knowledge of traditional Indian textiles, costumes, jewellerys and embellishment techniques to develop creative interpretations in contemporary fashion and textile design. [K3]

UNIT I Origin and Growth of Costume

Beginning and growth of costume - painting, cutting and tattooing. Ancient costumes – Indus valley civilization, Vedic period, Maurya period, Mughal period. Costumes of India –pre and post independence era (18 Hours)

UNIT II Dyed and Printed Textiles of India

Study of dyed and printed textiles of India –Bhandhani, Patola, ikkat, kalamkari- in all the above types and techniques used. Study of woven textiles of India – Dacca Muslin, Banarasi / Chanderi brocades, Baluchar, Himrus and Amrus , Kashmir shawls, Pochampalli, silk sarees of Kancheepuram. (18 Hours)

UNIT III Traditional Costumes of India

Traditional costume of different States of India- Tamil Nadu, Kerala, Andhra Pradesh, Karnataka, Assam, Orissa, West Bengal, Maharashtra, Rajasthan, Uttar Pradesh, Jammu and Kashmir, Gujarat. (18 Hours)

UNIT IV Indian Jewellery

Indian Jewellery – Jewellries used in the period of Indus valley civilization, Mauryan period, the Pallava and Chola Period, Symbolic Jewellery of South India, Mughal period. Temple Jewellery of South India, Tribal jewellery. (18 Hours)

UNIT V Traditional Embroideries of India

Traditional embroideries of India – Origin, Embroidery stitches used – embroidery of Kashmir, Phulkari of Punjab, Gujarat – Kutch and Kathiawar, embroidery of Rajasthan, Kasuti of Karnataka, Chicken work of Lucknow, Kantha of Bengal. (18 Hours)

TEXT BOOKS

1. Jamila Brij Bhushan, (1958). *The costumes and textiles of India* Bombay: –D BT araporevala Sons & Co.
2. G.S.Ghurye , (1967). *Indian Costume*, India: Popular Prakashan Pvt Ltd.
3. M.L Nigam, (1999). *Indian Jewellery*, India: Lustre Press Pvt Ltd,
4. Shailaja D.Naik,(1996). *Traditional Embroideries of India*, India: APH Publishing,
5. Tyagi, A. (2016). *Traditional Indian textiles*. New Delhi: Sonali Publications.

REFERENCE BOOKS

1. Dorris Flynn, (1971). *Costumes of India*, Delhi: Oxford & IBH Publishing Co.
2. Das S.N. (1956). *Costumes of India and Pakistan*, Bombay: DB Tara porevala Sons and co.
3. Dr.Bhatnagar, P. (2004). *Traditional Indian and textiles*, Chandigarh: Published by Abishek Publications.
4. Dhamija, J. & Jyotindra, J. (2002). *Hand woven fabrics of India*, Ahmadabad: Mapin Publishing Pvt. Ltd.
5. Laver, J. & Cancise, P. (2002). *Costume and fashion*, London: History Published by Thames and Hudson.
6. Shailaja D. & Naik, D. (2020). *Traditional embroideries of India*, South Asia: A.P.H. Publishing Corporation.
7. Sodhia, M. (2000). *History of fashion*, New Delhi: Kalyani Publishers.

Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]

1. <https://www.youtube.com/watch?v=7HXVXieq7pM>
2. <https://www.craftsvilla.com/blog/famous-indian-embroidery-styles>

3. <https://www.culturalindia.net/jewellery/types/meenakari.html>

| Course Code 23UCFC51 | 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 | 3 | 2 | 3 | 3 | - | 2 | 3 | 2 | - | 1 |
| CO2 | 3 | 2 | 3 | 3 | - | 2 | 3 | 2 | - | 1 |
| CO3 | 3 | 1 | 3 | 3 | - | 2 | 3 | 3 | - | 2 |
| CO4 | 3 | 1 | 3 | 3 | 1 | 2 | 3 | 3 | - | 2 |
| CO5 | 3 | 1 | 3 | 3 | 1 | 2 | 3 | 3 | - | 2 |

Strong (3) Medium (2) Low(1)

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|--------------------------------|-------------------------------|----------------|----------------|
| Semester V | TEXTILE WET PROCESSING | Hours/Week:6 | |
| Core Course-10 | | Credits:6 | |
| Course Code 23UCFC52 | | Internal 25 | External 75 |

COURSE OUTCOMES

On completion of the course, students will be able to

CO1: enumerate the concepts, objectives, process sequence and importance of textile wet

processing including basic and functional finishes, dyeing, printing and effluent treatment followed in textile industry. [K1]

CO2: classify the types of dyes, finishes including basic, aesthetic, functional and special purpose finishes along with their role in dyeing, printing and pollution control. [K2]

CO3: describe the methods of textile wet processing, various finishes, dyeing, printing and effluent treatments as followed in textile industry. [K2]

CO4: apply the techniques of textile wet processing, dyeing, printing and finishing treatments to improve fabric quality and performance as practiced in textile industry. [K3]

CO5: utilize the process sequence of textile wet processing including finishing, dyeing and printing while ensuring eco-friendly practices and effluent treatment for sustainable textile production in textile industry. [K3]

UNIT I Wet Processing Process and Basic Finishes

Process sequence of textile wet processing; process sequence and methods- singeing, desizing, scouring, bleaching and mercerizing. Finishes types –basic finishes, aesthetic finishes, functional finishes and special purpose finishes.

(18Hours)

UNIT II Dyes and Dyeing Machines

Dyes – classification and suitability of dyes to the fabric, stages of dyeing – fiber, yarn, fabric and garment dyeing, Natural dyes and its significance. Dyeing machines – loose stock fiber bale– hank package – jigger –winch –HT &HP Beam, jet –Padding mangles. Garment dyeing machines.

(18 Hours)

UNIT III Direct Printing

Printing –difference between dyeing and Printing. Preparation of printing paste, properties and types of thickeners. Direct printing – block printing - history and techniques used. Screen printing – flat screen and rotary screen, techniques used. (18 Hours)

UNIT IV Aesthetic, Functional and Special Finishes

Aesthetic finish – glazed, moire, embossed, napped, finish functional finish – water repellent, flame retardant antistatic finish. Special purpose finish–fragrance, antibacterial, stone wash and enzyme wash in denim recent trends - an introduction Micro encapsulation and nano finishes. (18 Hours)

UNIT V Resist, Discharge Printing and Effluent Treatment

Resist printing –tie and dye and batik; process sequence and techniques. Discharge printing, other methods – digital printing, heat transfer printing. Effluent treatment - pollution created by the processing unit, process sequence in effluent treatment plant (18 Hours)

TEXT BOOKS

1. Paters R.H, (1967). *Textile Chemistry*, London, New York: Elsevier Publishing.
2. Shenai V.A., (1981). *Technology of Textile Processing*, Bombay: Sevak Publications.
3. Shenai. Z V.A , (1990). *Textile Finishing*, Mumbai: Sevak Publications.
4. Deepali Rastogi, & Sheetal Chopra, (2017). *Textile Science*, Hyderabad: Orient Black swan Private limited.

REFERENCE BOOKS

1. Menachem Lewin and Stephen B.Sello, (1984). *Functional Finishes*, New York: Marcel Dekker Inc.,
2. R.S. Prayag, (1994) .*Textile Finishing*, India: Shree J Printers.
3. Arora, A. (2011). *Text book of dyes*, New Delhi: Sonali Publications.
4. Carbman, B.P. (2000). *Fibre to fabric*, International Students Edition. Singapore: MC Graw Hill Book Co.
5. Gunner, J. (2006). *Shibori for textile artist*, London: Batsford.
6. Murphy, W.S. (2000). *Textile finishing*, Chandigarh: Abhishek Publication.
7. Sekhri, S. (2016). *Text book of fabric science*, 2 nd Edition. India: Prentice Hall Learning Private Limited.
8. Seema sekhri, (2017). *Text book of fabric science fundamentals to finishing*, 2 nd Edition. India: Prentice Hall Learning Private Limited

Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]

1. <https://textilecourse.blogspot.com/2018/08/working-process-printing->
2. <http://www.neoakruthi.com/blog/etp-for-textile-industry.html>
3. <https://textilelearner.blogspot.com/2011/08/flow-chart-of-wet-processing-process.html>
4. <https://www.textileschool.com/343/fabric-wet-processing-techniques/>
5. <https://www.fibre2fashion.com/industry-article/1699/special--finishes-to-garment-an- overview>

| Course Code 23UCFC52 | PO1 | | PO 2 | | 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 | 3 | 3 | 2 | 2 | - | - | - | - | - | - |
| CO2 | 3 | 3 | 2 | 2 | 1 | - | - | - | - | - |
| CO3 | 3 | 3 | 3 | 3 | 3 | - | 1 | 1 | - | - |
| CO4 | 3 | 3 | 3 | 3 | 2 | - | 2 | 1 | - | - |
| CO5 | 3 | 3 | 3 | 3 | 2 | - | 3 | 3 | - | - |

Strong (3) Medium (2)Low(1)

Mrs.J.Athirstam
Head of the Department

Ms.S.Betsy Sherin
Course Designer



B.Sc. Costume Design and Fashion
(for those who join in 2023-2024)

| | | | |
|---------------------------------|--|----------------|----------------|
| Semester V | GARMENT CONSTRUCTION - ADULT WEAR PRACTICAL | Hours/Week:5 | |
| Core Course-11 Practical | | Credits:3 | |
| Course Code 23UCFC51P | | Internal 40 | External 60 |

COURSE OUTCOMES

On completion of the course, students will be able to

CO1: understand the drafting method used to develop garment patterns for both men's and women's wear. [K2]

CO2: explain the construction procedure for the designed men's and women's attire. [K2]

CO3: select and utilize the appropriate tools, fabrics and sewing techniques for constructing various adult wear. [K3]

CO4: calculate cost for the constructed adult wear garment. [K3]

CO5: prepare record and draft the procedures needed for making adult wear. [K3]

1. Design, draft and construct the following garments for a woman (Minimum 4 garments)

- Saree Petticoat
- Salwar
- Kameez
- Wrap around skirt and tops.
- Nightie
- Blouse

Design, draft and construct the following garments for a man (Minimum 3 garments)

- Bermudas
- T Shirt
- Nehru kurta
- Pyjama
- Slack shirt
- Trousers

TEXT BOOKS

1. Mathews, M. (1986). Practical Clothing Construction, – Part I and II. Chennai: Cosmic Press.
2. Zarakar, S. K. (2011). Zarakar system of cutting, India: Navneet Publications Ltd.

REFERENCE BOOKS

1. Gayatri Verma, Kapil Dev, (2019). *Cutting and sewing theory*, India: Computech Publication Ltd,
2. Martin M.Shoben and Janet P.Ward, Rout ledge, (2011). *Pattern cutting and making up, the professional approach*, Revised edition, London and New York: Tay lor and Francis Group,
3. Alison Smith. (2021). The dressmaking book, UK: DK publications.
4. Joseph Armstrong, H. (2013). Pattern drafting for fashion design, 5th edition. India: Pearson Education.
5. Wendy Ward (2014). The beginner's guide to dress making, United Kingdom: David & Charles.

Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]

1. <http://epgp.inflibnet.ac.in/Home/ViewSubject?catid=827>
2. <https://www.youtube.com/watch?v=FsD-Pc9WPm0>
3. <https://www.youtube.com/watch?v=rJf5Jlpt8j4>

| Course Code 23UCFC51P | PO1 | | PO2 | | PO3 | PO4 | | PO5 | PO6 | PO7 |
|--------------------------|----------------|------------|------------|------------|------|------------|------------|------|------|------|
| | PS O 1.a | PSO 1.b | PSO 2.a | PSO 2.b | PSO3 | PSO 4.a | PSO 4.b | PSO5 | PSO6 | PSO7 |
| CO1 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 2 | - |
| CO2 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 2 | - |
| CO3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | - |
| CO4 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 1 |
| CO5 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 1 |

Strong (3) Medium (2)Low(1)

Mrs.J.Athirstam
Head of the Department

Mrs.J.Athirstam
Course Designer



B.Sc. Costume Design and Fashion

(for those who join in 2023-2024)

| | | |
|----------------------------------|----------------|----------------|
| Semester V | PROJECT | Hours/Week:1 |
| Core Course-12 Project | | Credits:1 |
| Course Code 23UCFC54PR | | Internal - 100 |

COURSE OUTCOMES

On completion of the course, students will be able to

CO1: understand and identify innovative ideas in textiles and fashion to formulate project work objectives. [K2]

CO2: comprehend and explain the methodology for conducting research and data collection in textiles and fashion projects. [K2]

CO3: apply technical skills to develop project work and document findings in a structured report. [K3]

CO4: utilize analytical skills to interpret research results and derive meaningful conclusions. [K3]

CO5: demonstrate the ability to present and justify project findings through a structured report and viva voce. [K3]

Students are expected to select a project in the field of Textiles and fashion. Projects can be done individually or in a group of two students. 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.

Mode of Evaluation

Marks

Project work and report

60

Presentation and Viva-Voce

40

| Course Code 23UCFC54PR | PO1 | | PO 2 | | 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 | PSO7 |
| CO1 | 3 | 3 | 3 | 2 | 3 | 2 | 2 | 3 | - | 1 |
| CO2 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 3 | - | 1 |
| CO3 | 2 | 2 | 3 | 3 | 3 | 2 | 2 | 3 | - | 1 |
| CO4 | 2 | 2 | 3 | 3 | 3 | 2 | 2 | 3 | - | 1 |
| CO5 | 2 | 2 | 3 | 3 | 3 | 2 | 2 | 3 | - | 1 |

Strong (3) Medium (2)Low(1)

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

Reaccredited with 'A++' Grade (4th Cycle) by NAAC

VIRUDHUNAGAR

Quality Education with Wisdom and Values

B.Sc. Costume Design and Fashion

(for those who join in 2023-2024)

| | | | |
|--------------------------------|--|----------------|----------------|
| Semester V | MARKETING AND MERCHANDISING | Hours/Week:5 | |
| Elective Course DSEC-1 | | Credits:4 | |
| Course Code 23UCFE51 | | Internal 25 | External 75 |

COURSE OUTCOMES

On completion of the course, students will be able to

CO1: identify the scope, objectives, concepts and elements of fashion marketing, fashion products, consumer behaviors, marketing communication, research and forecasting, merchandising and store management. [K1]

CO2: explain the types and functions of marketing, merchandising, consumer decision making process, marketing communication strategies, and visual display techniques in store layouts. [K2]

CO3: describe the importance, structure and qualities of marketing, fashion products, consumer segmentation, research methods and store management in merchandising. [K2]

CO4: Find out the role and qualities of a merchandiser and apply knowledge of the marketing mix, packaging, consumer preference, merchandise percentage, product range planning and forecasting to develop merchandising strategies. [K3]

CO5: utilize marketing principles, consumer analysis trend forecasting, merchandising techniques and store management to design an effective marketing and merchandising plan for a fashion retail business. [K3]

UNIT I Introduction to Marketing

Marketing – meaning, marketing management philosophies, marketing and fashion marketing, the fashion market – structure and size. Marketing environment – micro and macro marketing. Marketing mix – product, price, promotion and place; marketing functions – assembling, standardization and packaging; digital marketing – meaning, scope and advantages

(15 Hours)

UNIT II Fashion Products and the Consumer

Marketing fashion products – importance and classification of products; the product mix and range planning; the fashion product life cycle; fashion consumer - role of consumer behavior in marketing, types of consumer decisions, the decision process, factors that influence decisions – consumer attitudes, consumer motivation, consumer personality, opinion leadership, family and social status. (15 Hours)

UNIT III Marketing Communication, Research and Forecasting

Fashion marketing communications – traditional approach and integrated approach fashion marketing research – purpose and significance, stages in their search process fashion forecasting – meaning and importance, basics of predicting trends – colour , theme, shape, key events, target market; trend forecasting process. (15 Hours)

UNIT IV Types of Merchandisers

Merchandiser – essential qualities of a merchandiser; types and functions of merchandisers – fashion merchandiser, visual merchandiser, export merchandiser and retail merchandiser; visual merchandising–elements of visual merchandising – needs – psychology –types of display; elements of display. (15 Hours)

UNIT V Store Management in Merchandising

Store management in merchandising - introduction, objectives, types of stores, location of a store, store layout, types of store layouts, store space allocation. Store design- introduction, concept of store design, exterior of a store, interior of a store, merchandise presentation-tools and techniques. (15 Hours)

TEXT BOOKS

1. Mike Easey, *Fashion Marketing*, (2009). United Kingdom: Wiley-Black well Publishing.
 2. Mary G. Wolfe, (2017). *Fashion Marketing and Merchandising*, UK: 5th edition, The Good heart- Will cox Co., Inc, Illinois,
 3. Gini Stephens Frings, (1999). *Fashion–From concept to consumer*, India: Prentice Hall
 4. V. Ramesh and A. Arun raj Babu, (2019). *Fashion Marketing Management*, India: Wood head Publishing,
- Goworek, H. (2006). *Careers in Fashion and Textiles*, New Delhi: Blackwell Publishing.

REFERENCE BOOKS

1. Philip Kotler, Veronica Wong, John Saunders,(2008). *Marketing*, India: Pearson Education.
2. Gini Stephens Frings, (2014). *Fashion -from Concept to Consumer*, 9th Edition, Pearson Education Ltd, Harlow,
3. Janet Bogdano vicand Liz Clamp, (1994). *Fashion Marketing*, London; New York: Rout ledge,

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

Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]

1. <https://www.iknockfashion.com/need-of-trend-forecasting/>
2. <http://www.createafashionbrand.com/the-5-basics-of-trend-prediction/>
3. <https://www.fibre2fashion.com/industry-article/7054/decoding-the-process-of-trend-forecasting-in-fashion>
4. <https://textilelearner.blogspot.com/2013/10/role-of-merchandiser-in-apparel-industry.html>
5. <https://clothingindustry.blogspot.com/2017/12/merchandiser-merchandising-garment.html>
6. <https://blog.hubspot.com/marketing/what-is-digital-marketing>

| Course Code 23UCFE51 | 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 | 3 | 3 | 3 | 3 | 3 | - | - | - | 2 | 1 |
| CO2 | 3 | 3 | 3 | 3 | 3 | - | - | - | 2 | 1 |
| CO3 | 3 | 3 | 3 | 3 | 3 | - | - | - | 2 | 1 |
| CO4 | 3 | 3 | 3 | 3 | 3 | - | 2 | 1 | 2 | 3 |
| CO5 | 3 | 3 | 3 | 3 | 3 | - | 2 | 1 | 2 | 3 |

Strong (3) Medium (2)Low(1)

Mrs.J.Athirstam
Head of the Department

Ms.L.Devimuthumari
Course Designer



B.Sc. Costume Design and Fashion

(for those who join in 2023-2024)

| | | | |
|--------------------------------|-------------------------------------|----------------|----------------|
| Semester V | APPAREL BRAND MANAGEMENT | Hours/Week:5 | |
| Elective Course DSEC-1 | | Credits:4 | |
| Course Code 23UCFE52 | | Internal 25 | External 75 |

COURSE OUTCOMES

On completion of the course, students will be able to

- CO1: recall the concepts, evolution, elements and functions of branding, brand positioning, brand appraisal, brand identity and brand measurements in the appraisal industry. [K1]
- CO2: explain the significance, types, and strategies of branding, brand positioning, labeling and licensing as well as the needs and methods of brand appraisal, names and measurements in apparel management. [K2]
- CO3: describe the processes and factors involved in brand positioning, brand identity extension and intellectual property considerations in apparel brand management. [K2]
- CO4: apply branding strategies, brand positioning techniques, brand appraisal methods, brand extension principles and measurement techniques to enhance apparel brand management. [K3]
- CO5: implement branding concepts, repositioning methods, international branding strategies, brand licensing and brand management practices in the apparel industry. [K3]

UNIT I Significance of Branding

Brand – definition, evolution, functions, brand significance; branding – types and strategies international apparel brands - identification of perspectives and challenges to build brand - Indian garment brand and prospects of Indian brands Indian garment brand and prospects of Indian brands. (15 Hours)

UNIT II Brand Positioning

Importance of branding positioning –basic branding concepts – brand image, brand identity, brand equity and brand personality –meaning and definition, types, elements; brand ambassadors- celebrity branding; brand loyalty; product Vs corporate branding: major branding decisions. Positioning strategies of international garment retailers. (15Hours)

UNIT III Brand Appraisal

Brand appraisal –definition and methods -exploration, market, customer, competition analysis, reasoning of brands importance and methods involve d-laddering, emotional and rational, brand mapping–circle, prism and triangle. (15Hours)

UNIT IV Brand Repositioning

Brand identity and extension: brand identity and articulation – name, colour, design, logo and symbols, brand service advertising and cross-cultural influence; brand extension– need and types; advantages and disadvantages; labelling and licensing of apparel products –types, license agreement, and international property rights; need for developing brand names and labels for apparel manufactured and exported from India. (15Hours)

UNIT V Brand Measurement

Brand measurement - definition, need and methods –audit, track, brand overtime – managing brand image-need, concepts of management, forces affecting brand and maintenance of brand, Study on Brands and brand management of Indian Garment. (15Hours)

TEXT BOOKS

1. Niraj. Kumar, (2015). *Brand Management: Texts and Cases*, India: Himalaya Publishing House.

REFERENCE BOOKS

1. Harsh V Verma, (2010). *Brand Management*, New Delhi: Excel books,
2. Mathur U.C., (2006). *Brand Management Text and Cases*, India: Macmillan Ltd.

Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]

1. https://www.tutorialspoint.com/brand_management
2. <https://www.managementstudyguide.com/brand-management.htm>

| Course Code 23UCFE52 | 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 | 3 | 3 | 3 | 3 | 3 | - | - | 2 | - | - |
| CO2 | 3 | 3 | 3 | 3 | 3 | - | - | 2 | - | - |
| CO3 | 3 | 3 | 3 | 3 | 3 | - | - | 3 | - | - |
| CO4 | 3 | 3 | 3 | 3 | 3 | - | 1 | 3 | 1 | 1 |
| CO5 | 3 | 3 | 3 | 3 | 3 | - | 1 | 3 | 1 | 1 |

Strong (3) Medium (2)Low(1)

Mrs.J.Athirstam
Head of the Department

Ms.L.Devimuthumari
Course Designer



B.Sc. Costume Design and Fashion

(for those who join in 2023-2024)

| | | | |
|--|--|----------------|----------------|
| Semester V | ECO DYEING AND PRINTING PRACTICAL | Hours/Week:5 | |
| Elective Course DSEC - 2 Practical - I | | Credits:4 | |
| Course Code 23UCFE53P | | Internal 40 | External 60 |

COURSE OUTCOMES

On completion of the course, students will be able to

CO1: explain the types of flowers, leaves, fruits and vegetables used in natural dyeing and printing. [K2]

CO2: describe the process of obtaining colours from natural sources and the techniques used in eco dyeing and printing. [K2]

CO3: demonstrate the methods of dyeing and printing the fabric using flowers, leaves and natural colours.[K3]

CO4 execute the eco - printing process and calculate cost for the dyed and printed fabrics using flowers, leaves, fruits and rust. [K3]

CO5: prepare record and samples for the eco- dyed and printed fabrics incorporating sustainable practices. [K3]

1. Create a garment / home textile with a natural dye derived from the following

- Flower (2 types)
- Leaf (2 types)
- Fruits / Vegetables (Do not use edible parts only waste)

2. Create a garment/ home textile with Eco Prints derived from the following

- Flower
- Leaf
- Fruits / Vegetables (Do not use edible parts only waste)
- Rust

TEXT BOOKS

1. Eco Printing for Beginners: Guide to Eco Printing, Steps, Tips, Eco Printing Methods And More, Brett Ethan, 2022

REFERENCE BOOKS

1. Eco Printing 101: Beginners Guide to Eco Printing, Basics, Steps, Tips And Many More, Connor Jace, 2022

Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]

1. <https://mochni.com/eco-prints-learn-the-process-of-all-natural-eco-printing/>
2. <https://www.fiberartsy.com/eco-printing-fabric/>
3. <https://naturalfabricdyeing.com/wp-content/uploads/2017/08/All-Eco-PrintingTechniques.pdf>

| Course Code 23UCFE53P | PO1 | | PO2 | | PO3 | PO4 | | PO5 | PO6 | PO7 |
|--------------------------|-----|-----|-----|-----|------|-----|-----|------|------|------|
| | PSO | PSO | PSO | PSO | PSO3 | PSO | PSO | PSO5 | PSO6 | PSO7 |
| | 1.a | 1.b | 2.a | 2.b | | 4.a | 4.b | | | |
| CO1 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | - | 3 | - |
| CO2 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | - | 3 | - |
| CO3 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | - |
| CO4 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 2 |
| CO5 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 2 |

Strong (3) Medium (2)Low(1)

Mrs.J.Athirstam
Head of the Department

Mrs.J.Athirstam
Course Designer



B.Sc. Costume Design and Fashion
 (for those who join in 2023-2024)

| | | | |
|--|---|----------------|----------------|
| Semester V | COUTURE DESIGN DEVELOPMENT PRACTICAL | Hours/Week:5 | |
| Elective Course DSEC - 2 Practical - I | | Credits:4 | |
| Course Code 23UCFE54P | | Internal 40 | External 60 |

COURSE OUTCOMES

On completion of the course, students will be able to

CO1: understand recent trends in prints, patterns and textures used in traditional, bridal wear and party wear with couture designs. [K2]

CO2: interpret silhouette and garment component modifications and applications of cut - make- trim relevant to contemporary couture fashion.[K2]

CO3: apply the mood board, story board, theme board, colour board and design process for the product development. [K3]

CO4: identify the stitching procedure and calculate cost for the developed designer wear. [K3]

CO5: prepare record for the constructed designer wear according to the selected theme. [K3]

Design Development for traditional, party wear and bridal wear segments.

PART A

- Recent printer search
- Repeated pattern and types
- Texture variations

PART B (Sketches only)

- Silhouette modifications
- Study on various garment component modifications
- Application of cut-make-trim for the new modern trends

PART C (3 designs in each category)

- Study on the wedding dress-across countries. Design garments based on their culture.
- Fashion design for the plus size. Sketch a kurta salwar / Long skirt and top / Gownfor Indian plus size women.
- Designed carpet – couture segments garments with high end trims and accessories.

TEXT BOOKS

1. Claire B.Schaeffe, (2001). *Couture Sewing Techniques*, US: 19th Edition, Taunton Press.
2. Lynda Maynard, (2010). *The Dress Making: The Hand book of Couture Sewing Techniques. Essential step-by-step Techniques for professional results*– US: 21st edition, Interweave Press.
3. Margot Arendse, (2000). *Couture Bridal wear: Pattern Layout and Design*, US: Brassey's, Publication.

REFERENCE BOOKS

1. Winifred Aldrich, (2008). *The Metric Pattern Cutting for Women's Wear*– Australia: 5th Edition, Black Well Publishers.
2. Bane, A., (1966). *Creative Clothing Construction*, New York: Mc Graw-Hill Book,
3. **Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]**
<https://www.careeraddict.com/become-wedding-dress-designer>

| Course Code 23UCFE54P | 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 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | - |
| CO2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | - |
| CO3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | - |
| CO4 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 |
| CO5 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 |

Strong (3) Medium (2) Low (1)

Mrs.J.Athirstam
Head of the Department

Ms.S.Betsy Sherin
Course Designer



B.Sc. Costume Design and Fashion
 (for those who join in 2023-2024)

| | | |
|--|-------------------|--------------|
| Semester V | Internship | Hours/Week:- |
| PART – IV Intrenship/Industrial Training | | Credits:1 |
| Course Code 23UCFI51 | | Internal 100 |

COURSE OUTCOMES

On completion of the Internship, students will be able to

- CO1: understand and connect theoretical insights with hands - on experience in an internship or field project. [K2]
- CO2: develop technical skills to their respective field of study. [K3]
- CO3: demonstrate the attributes such as observational skills, team spirit and interpersonal skills built through 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]

Guidelines/ Regulations:

- ❖ Each student must go for Internship training in a reputed Industry / Company / Organization/ Educational Institution.
- ❖ Students should produce the completion certificate after the completion of Internship period.
- ❖ A report of 10-15 pages must be submitted by each student after the completion of the Internship period.
- ❖ Internal Viva-voce examination will be conducted.
- ❖ Students with diverse disabilities must complete a 10 day internship programme at their preferred places.

| Course Code 23UCFI51 | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 |
|---------------------------------------|------------|------------|------------|------------|------------|------------|------------|
| CO1 | 3 | 2 | 2 | 2 | 2 | 3 | - |
| CO2 | 3 | 2 | 2 | 2 | 2 | 3 | - |
| CO3 | 3 | 2 | - | - | - | 3 | - |
| CO4 | 3 | 3 | 2 | 2 | - | 2 | 3 |
| CO5 | 3 | 2 | 3 | 3 | 2 | - | - |

Strong (3) Medium (2) Low(1)

Mrs.J.Athirstam
Head of the Department

Ms.L.Devimuthumari
Course Designer



B.Sc. Costume Design and Fashion
(for those who join in 2023-2024)

| | | |
|--|-----------------|---------------|
| Semester V | Knitting | Hours/Week:- |
| Extra Credit Course- Self- Study Course | | Credits:2 |
| Course Code 23UCFO51 | | Internal :100 |

COURSE OUTCOMES

On completion of the students will be able to

- CO1: explain the fundamental concepts, history, sequence characteristics and overview of various knitting technology followed in knitting industry and market.
- CO2: describe the principles, types and functions of machineries used in knitting and the significance of knitwear in Tirupur
- CO3: illustrate the process and techniques of various knitting and their applications and growth and development of knit industry in India.
- CO4: apply the knitting techniques, fabric care and quality control methods involved in weft and warp knitting, seamless knitting and the present and future trends of dyeing in knitwear market.
- CO5: utilize the process sequence of knitting technology to assess machine selection, stitch variations, knitting applications and analyze the maintenance, defects and finishing process to enhance fabric quality as followed in the textile industry.

UNIT I Knitting Overview

Knitting – definition, classification and history, characteristics of knitted goods. General terms and principles of knitting technology, machine knitting, parts of machine, knitted loop structure, stitch density.

UNIT II Principles of Weft Knitting Technology

Weft knitting – classification-circular rib knitting machine, purl, interlock, jacquard-single jersey machine- basic knitting elements- types and functions – knitting cycle, CAM– system -3- way technique to develop design - knit, tuck, miss-effect of stitches on fabric properties.

UNIT III Principles of Warp Knitting Technology

Warp knitting - lapping variations-tricot, raschel, simplex and milanese - kitten raschel –

single bar, 2 bar, multi bar machines. Types of threading, production of nets, curtains, heavy fabrics, elasticized fabrics.

UNIT IV Seamless Knitting and Knitting Care

Seamless knitting – applications, advantages, and limitations. Care and maintenance of knitted material - washing, drying, ironing, storing. Common defects that occur in knitted fabric production.

UNIT V Knitting Industry and market

Knitting Industry in India –growth and development. Significance of knit wear industry in Tirupur. Knit wear market–present and future trends. Dyeing of knit fabric.

TEXT BOOKS

1. Anbumani, (2006). *Knitting Manufacture Technology*, Chennai: New Age International Publication.
2. Anbumani, (2005). *Knitting and Apparel Technology*, Chennai: S.S.M.I.T Co-operative Society.

REFERENCE BOOKS

1. DB Ajgaonker (1998). *Knitting Technology*, Bombay: Universal Publishing Corporation,
2. Wilkens, C., Heusenstam M, (1995.) *Warp knit fabric construction from stitch formation to stitch construction*, , Germany: U. Wilkens Verlag Publication.
3. Samuel.R,(1991). *Flat Knitting*, Germany: Meisenbach Bamberg Publication.

Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]

1. <https://fashion2apparel.blogspot.com/2017/02/seamless-garments-advantages.html>
2. <https://www.indiaretailing.com/2018/06/12/fashion/indian-knitwear-market-present-and-the-future-trends/>
3. <https://www.fibre2fashion.com/industry-article/64/overview-of-tirupur-knitwear-industry>
4. <https://www.fibre2fashion.com/industry-article/7047/seamless-garment-technology>
5. <https://www.fibre2fashion.com/industry-article/7047/seamless-garment-technology>

Mrs.J.Athirstam
Head of the Department

Ms.L.Devimuthumari
Course Designer



B.Sc. Costume Design and Fashion
(for those who join in 2023-2024)

| | | | |
|--------------------------------|--------------------------------|----------------|----------------|
| Semester VI | THE BUSINESS OF FASHION | Hours/Week:6 | |
| Core Course-13 | | Credits:5 | |
| Course Code 23UCFC61 | | Internal 25 | External 75 |

COURSE OUTCOMES

On completion of the course, students will be able to

- CO1: recall the concepts, scope and functions of fashion along with the major world fashion centers, designers influencing global trends and the significances of sustainable fashion. [K1]
- CO2: classify the types of fashion designers, fashion centers, fashion shows, stores and describe the impact of sustainable fashion. [K2]
- CO3: describe the process, importance and methods of setting prices for fashion product development, sales promotion and strategies for effective marketing along with environmental concerns related to fashion. [K2]
- CO4: apply the principles of fashion evaluation, designer influences, product promotion, retail strategies and sustainable fashion to develop innovative and market – driven fashion solution.[K3]
- CO5: develop strategic solutions for the changing fashion industry by evaluating factors influencing fashion, analyzing pricing and sales techniques and promoting eco-friendly through sustainable fashion. [K3]

UNIT I World of Fashion – An Overview

Factors influencing fashion changes – accelerating and decelerating factors understanding fashion designer – types – classicist, idealist, influenced, realist, thinking poet. Minimalists, Village India, studio line. World fashion centers – Milan, Paris, London and New York. (18 Hours)

UNIT II Legendary Fashion Designers

Study of international fashion designers of the world – Yves Saint Laurent, Valentino, Pierre Cardin, Ralph Lauren, Karl Lager field, Donna Karen, Giorgio Armani, Coco Chanel,

Calvin Klien, Christian Dior. An overview of Indian Fashion Designers –Manish Malhotra,

Manish Arora, Ritu Beri, Tarun Tahiliani, Rohit Bal, Wendell Rodricks, JJValaya. (18Hours)

UNIT III Fashion Products and Promotion

The fashion industry and new product development; product mix and range planning. Fashion and seasons. fashion promotion – fashion Communication; fashion advertising and publicity; personal selling –importance and steps involved; fashion shows – types and steps involved in organizing a show; sales promotion methods / strategies.

(18Hours)

UNIT IV Fashion Retailing

Fashion retailing – scope and functions, types of stores, challenges for fashion retail in India, E-retailing – growth and development, major players of fashion goods online. pricing policies and strategies for apparel products, functions and factors influencing pricing, pricing strategies for new products, methods of setting prices.

(18Hours)

UNIT V Sustainable Fashion

Sustainable fashion–meaning and significance; environmental concerns related to fashion; linear fashion and circular fashion; 4R's in sustainability – repair, recycle, reuse and reduce. Moving towards sustainable fashion - eco fashion, slow fashion; environmental impact of fast fashion.

(18Hours)

TEXT BOOKS

1. Drakeet-al, (1992). *Retail Fashion: Promotion and Advertising*, New York: Macmillan Publication Company.
2. Gini Stephens Frings, (1999). *Fashion–From Concept to Consumer*, United State 6th Edition, Prentice Hall,
3. Davis, J. (2009). *A Complete Guide to Fashion Designing*. 1st Edition. Abhishek Publication, Chandigarh.

REFERENCE BOOK

1. Leslie Davis Burnset-al, (2011). *Business of Fashion: Designing, United State: Manufacturing and Marketing*, 4th Edition, Bloomsbury Academic publisher.
2. Frings,G.S. (2008). *Fashion from Concept to Consumer*, 7th Edition. India: Dorling Kindersley Publishing Inc.
3. Soloman, M.R. Rabolt, N.J. (2006). *Consumer Behavior in Fashion*, India: Dorling Kindersley Publishing Inc.
4. Sodhia, M. (2009). *History of Fashion*, New Delhi: Kalyani Publishers.
5. Stone, E. (2001). *The Dynamics of Fashion*, New York: Fairchild Publications.

6. Pundir, N. (2007). Fashion Technology Today and Tomorrow, New Delhi: A Mittal Publication.
7. Mike Easey, (2009) Fashion Marketing, 3rd Edition. United Kingdom: Wiley-Blackwell Publication.

Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]

1. <https://247wallst.com/special-report/2018/10/01/the-30-most-influential-fashion-designers-of-all-time/8/>
2. <https://www.reviewsexp.com/blog/top-fashion-designers/>
3. https://en.wikipedia.org/wiki/Fashion_capital
4. <https://www.fibre2fashion.com/>
5. <http://www.technopak.com/Files/fashion-retail-scenario-in-india.pdf>
6. <https://fashionunited.uk/news/fashion/re-defining-sustainability-repair-recycle-reuse-and-reduce/2016052520528>
7. <https://get-green-now.com/environmental-impact-fast-fashion/>

| Course Code 23UCFC61 | 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 | 3 | 3 | 2 | 2 | 1 | - | 1 | 1 | 2 | - |
| CO2 | 3 | 3 | 3 | 3 | 1 | - | 1 | 1 | 2 | - |
| CO3 | 3 | 3 | 3 | 3 | 1 | - | 1 | 1 | 2 | - |
| CO4 | 3 | 3 | 3 | 3 | 3 | - | 2 | 2 | 3 | 3 |
| CO5 | 3 | 3 | 3 | 3 | 3 | - | 2 | 2 | 3 | 3 |

Strong (3) Medium (2) Low (1)

Mrs.J.Athirstam
Head of the Department

Ms.L.Devimuthumari
Course Designer



Curriculum for B.Sc. Costume Design and Fashion

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
Quality Education with Wisdom and Values
B.Sc. Costume Design and Fashion
 (for those who join in 2023-2024)

| | | | |
|--------------------------------|--|----------------|----------------|
| Semester VI | COMPUTER APPLICATIONS IN GARMENT INDUSTRY | Hours/Week:6 | |
| Core Course-14 | | Credits:5 | |
| Course Code 23UCFC62 | | Internal 25 | External 75 |

COURSE OUTCOMES

On completion of the course, students will be able to

CO1: show the basic concepts of computers and the peripherals in creating fabric and

garment design and labeling the parts of computerized sewing machines. [K1]

CO2: illustrate the types and functions of CIM and software used for designing pattern

making marker making and fabric enrichment in an apparel industry. [K2]

CO3: explain the importance of computers in textile and garment sectors, including CAD,

CAM, body measurements, pattern making, grading and computerized sewing. [K2]

CO4: apply computer technology in body measurements, pattern making and grading

processes to enhance garment fit and quality. [K3]

CO5: utilize computerized systems in fabric defect detection, cutting, marker planning and

sewing machines to optimize the manufacturing process. [K3]

UNIT I Computers and its Peripherals

Classification of computers, computer generations, computer specification, organization of computer sections. Types of storage devices, input devices, output devices. (18Hours)

UNIT II Computers in Fashion Industry

Role of computers in fashion industry – Information flow – CAD, CAM, CIM, CAA, PDC –Definition and functions. Computers in production planning and production scheduling computerized colour matching system. (18Hours)

UNIT III Computers in Creating Fabric and Garment Designs

CAD in creating designs –advantages. Computerized weaving, knitting and printing, creating computerized embroidery machines, garment designing with CAD – 2D and 3D forms. (18Hours)

UNIT IV Body Measurements, Pattern Making and Grading

3D Body scanning systems, made to measure systems, CAD in pattern making and

grading – system description – information flow – process involved in pattern making,
process involved in pattern grading. (18Hours)

UNIT V Computers in Manufacturing Process

Computer application in fabric defect checking, laying / spreading, cutting marker planning, Labelling – parts and functions. Computerized sewing machines. (18Hours)

TEXT BOOKS

1. Dr R Sheela John and Dr S Amsa mani, Shanga Verlag, (2013). *Computers in the Garment Industry*, Coimbatore: sivasalapathy Printers,
2. Gini Stephens Frings, (2007). *Fashion : From Concept to Consumer*, United State: 4th Edition –, Prentice Hall, Pearson.
3. Stott, M. (2012). *Pattern cutting for clothing using CAD*, United Kingdom: Wood Head Publishing.

REFERENCE BOOKS

1. PKS inha, (1992). *Computer Fundamentals*, Delhi: BPB Publications.
2. D Tyler, (2008). *The Technology of Clothing Manufacture*, Australia: Harold Carrand Barbara Latham, Black well Ltd.
3. Jinlian Hu , (2011). *Computer Technology for Textiles and Apparel*, US: 1st edition Wood head Publishing; ELSEVIER.
4. Raj Kishore Nayakand Rajiv Padhye,(2017). *Automation in Garment Manufacturing*, Australia: Wood head Publishing.
5. Groover, M., & Zimmers, E. (2012). *CAD/CAM: Computer aided design & manufacturing*, India: Pearson Publications.
6. Ibrahim Zeid, (2006). *Mastering CAD/CAM*, 2 nd edition. India; MC Graw hill Education.
7. Josephine Steed, & Frances Stevenson, (2012). *Basics textile design 01: sourcing ideas: researching colour, surface, structure, texture and pattern* paperback, India : Bloomsbury Publishing Private Limited.
8. Melanie Bowles, Ceri Isaac, (2012). *Digital textile design*, 2nd edition, England: Laurence King Publishing.

Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]

1. <https://inifdahmedabad.com/blog/importance-of-cad-in-fashion-industry/>
2. <https://clothingindustry.blogspot.com/2018/02/application-cad-weaving.html>
3. <http://textilescommittee.nic.in/writereaddata/files/publication/gar4.pdf>
4. <https://study.com/academy/lesson/how-is-cad-cam-used-in-textiles.html>
5. <https://clothingindustry.blogspot.com/2018/02/importance-cad-textile-designing.html>
6. <https://textilelearner.blogspot.com/2012/03/computer-application-areas-in-textile.html>
7. https://link.springer.com/chapter/10.1007/978-3-642-58214-1_47

| Course Code 23UCFC62 | 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 | 3 | 3 | 1 | 2 | 1 | 3 | 3 | 3 | - | - |
| CO2 | 3 | 3 | 1 | 2 | 1 | 3 | 3 | 3 | - | - |
| CO3 | 3 | 3 | 1 | 2 | 2 | 3 | 3 | 3 | - | - |
| CO4 | 3 | 3 | 1 | 2 | 2 | 3 | 3 | 3 | - | - |
| CO5 | 3 | 3 | 1 | 2 | 2 | 3 | 3 | 3 | - | - |

Strong (3) Medium (2) Low (1)

Mrs.J.Athirstam
Head of the Department

Ms.S.Betsy Sherin
Course Designer



V.V.VANNIAPERUMAL COLLEGE FOR WOMEN

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VIRUDHUNAGAR

Quality Education with Wisdom and Values

B.Sc. Costume Design and Fashion

(for those who join in 2023-2024)

| | | | |
|---------------------------------|---|----------------|----------------|
| Semester VI | COMPUTER AIDED DESIGN II PRACTICAL | Hours/Week:6 | |
| Core Course-15 Practical | | Credits:4 | |
| Course Code 23UCFC61P | | Internal 40 | External 60 |

COURSE OUTCOMES

On completion of the course, students will be able to

CO1: explain the tools and techniques needed for garment design using CAD. [K2]

CO2: understand the role of design elements and principles in creating digital garment design. K2]

CO3: Draft and grade digital patterns for various garments using computer aided design software [K3]

CO4: develop garments suitable for different colours, seasons and occasions in creating designs by applying CAD tools. [K3]

CO5: prepare record for the designed garments with industrial standards using computer aided design software. [K3]

1. Create garment designs for the following colour harmonies

- Mono chromatic colour harmony
- Analogous colour harmony
- Complementary colour harmony
- Double complementary colour harmony
- Split Complementary colour harmony
- Triad colour harmony
- Tetrad colour harmony
- Neutral colour

3. Create garment designs for the following elements of design

- Line
- Shape
- Size

3. Create garment designs for the Following Principles of design

- Balance
- Rhythm
- Emphasis
- Proportion
- Harmony

4. Draft and grade patterns for the following garments

- Bib
- Jabla
- Salwar
- T-Shirt

9. Create garment designs for the following occasions

- Party wear
- Casual wear
- Wedding collection
- Sportswear (any sports)

TEXT BOOKS

1. Patrick John Ireland (1982). *Fashion Design Drawing & Presentation*, London, United States: Pavilion Books,
2. Patrick John Ireland, (1979). *Drawing and Designing Children's and Teenage Fashions*, New York: Wiley Publication.
3. Patrick John Ireland, (1996). *Fashion Design Illustration: Men*, London: B.T. Batsford Books.

REFERENCE BOOKS

1. Bina Abbing, (2007). *Fashion Sketch Book*, New York: Fair child Books.
2. Julian Seaman, (2001). *Foundation in fashion design and Illustration*, London, B.T. Batsford Books.

Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]

1. https://www.youtube.com/watch?v=jTWtQNTJt_A
2. <https://www.youtube.com/watch?v=iX7O4fNQijA>
3. <https://www.youtube.com/watch?v=nWCNuSBc1Y0>
4. <https://www.youtube.com/watch?v=x8BsIME4gi4>
5. <https://www.youtube.com/watch?v=LMZPbT1msR0>

| Course Code 23UCFC61P | 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 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 1 | - |
| CO2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 1 | - |
| CO3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 1 | - |
| CO4 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 1 | - |
| CO5 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 1 | - |

Strong (3) Medium (2) Low (1)

Mrs.J.Athirstam
Head of the Department

Ms.L.Devimuthumari
Course Designer



B.Sc. Costume Design and Fashion
(for those who join in 2023-2024)

| | | | |
|--------------------------------|---|----------------|----------------|
| Semester VI | ENTREPRENEURSHIP DEVELOPMENT | Hours/Week:5 | |
| Elective Course DSEC-3 | | Credits:4 | |
| Course Code 23UCFE61 | | Internal 25 | External 75 |

COURSE OUTCOMES

On completion of the course, students will be able to

CO1: recall the concepts, nature, characteristics of entrepreneurship, project identification

process, institutional support systems, financial assistance and various incentives and subsidies available for entrepreneurs. [K1]

CO2: explain the significance and types of entrepreneurship phases and project development, the role of institutions in supporting entrepreneurs, sources of finance and taxation benefits for small scale industries. [K2]

CO3: describe the functions of entrepreneurship process, project formulation and feasibility analysis, institutional support mechanisms, financial and schemes and government incentives for entrepreneurship. [K2]

CO4: apply the knowledge of entrepreneurship principles, project selection, institutional support and financial planning to develop a valuable business plan. [K3]

CO5: utilize institutional resources, financial support and government incentives to establish, sustain and expand an entrepreneurial. [K3]

UNIT I Context of Entrepreneurship

Concept of entrepreneurship: definition nature and characteristics of entrepreneurship- functions and types of entrepreneurship phases of EDP. Development of women entrepreneur and rural entrepreneur – including self-employment of women council scheme. (15 Hours)

UNIT II Project

The start-up process, project identification–selection of the product–project formulation evaluation – feasibility analysis, project report. (15 Hours)

UNIT III Institutions supporting to Entrepreneur

Institutions supporting to entrepreneur–DIC, SIDO, NSIC, SISI, SSIC, SIDCO, ITCOT, IIC, KUIC and commercial bank. (15 Hours)

UNIT IV Institutional finance to entrepreneur

Institutional finance to entrepreneur–IFCI, SFC, IDBI, ICICI, THIC, SIDCS, LIC and GIC, UTI, SIPCOT–SIDBI and commercial bank venture capitals. (15 Hours)

UNIT V Incentives and subsidies

Incentives and subsidies – subsidised Services – subsidy for market. Transport – seed capital assistance – taxation benefit to SSI –role of entrepreneur in export promotion and import substitution. (15 Hours)

TEXT BOOKS

1. C.B.Gupta and N.P.Srinivasan, (2020). *Entrepreneurial Development*, New Delhi: Sultan Chand & Sons.
2. Renu Arora and S. K I.Sood, (2015). *Fundamentals of Entrepreneurship and small Business*, India: Kalyani Publishers,
3. S.S.Khanka, (2006). *Entrepreneurial Development*, Chennai: S.Chand Publishing,

REFERENCE BOOKS

1. P.Saravanel & P.Sumathi, (2020). *Entrepreneurial Development, Chennai*: Margham Publications.
2. S.G.Bhanushali, (1987). *Entrepreneurial Development*, Bombay: Himalaya Publishing House,

Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]

1. <https://lonelyentrepreneur.com/types-of-entrepreneurs/>
2. <http://www.simplynotes.in/e-notes/mbabba/entrepreneurship-development/>

| Course Code 23UCFE61 | 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 | 3 | 3 | 3 | 3 | 2 | 1 | 2 | 2 | 3 | - |
| CO2 | 3 | 3 | 3 | 3 | 2 | 1 | 2 | 2 | 3 | - |
| CO3 | 3 | 3 | 3 | 3 | 2 | 1 | 2 | 2 | 3 | - |
| CO4 | 3 | 3 | 3 | 3 | 3 | 1 | 3 | 2 | 3 | 2 |
| CO5 | 3 | 3 | 3 | 3 | 3 | 1 | 3 | 2 | 3 | 2 |

Strong (3) Medium (2) Low (1)

Mrs.J.Athirstam
Head of the Department

Mrs.J.Athirstam
Course Designer



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VIRUDHUNAGAR

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| | | | |
|--------------------------------|---|----------------|----------------|
| Semester VI | ORGANISATION OF GARMENT UNIT | Hours/Week:5 | |
| Elective Course DSEC-3 | | Credits:4 | |
| Course Code 23UCFE62 | | Internal 25 | External 75 |

COURSE OUTCOMES

On completion of the course, students will be able to

CO1: state the fundamental concepts of entrepreneurship, management processes

organizational structure, factory designs, principles of costing and garment export procedures. [K1]

CO2: explain the role of various departments in a garment unit, the importance of factory design, layout and the financial planning for garment exports and the types of buildings and entrepreneurs. [K2]

CO3: describe the functions of managements, the impact of factory layout on production efficiency, costing system, cost estimation methods and export documentation. [K2]

CO4: apply knowledge of organizational structure, factory layout and costing principles to optimize production efficiency in a garment unit. [K3]

CO5: utilize SWOC analysis and export documentation knowledge to set up and manage a garment export unit effectively. [K3]

UNIT I Entrepreneur and Management

Entrepreneur - meaning, definition and types, need for entrepreneurs, qualities, and role of entrepreneur. Management – definition. Management as a process– planning, organizing, directing, controlling and coordination. Difference between entrepreneur and manager. (15 Hours)

UNIT II Organizational Structure of a Garment Unit

Organizational structure of 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. Role of HR in apparel industry.

(15 Hours)

UNIT III Factory Design and Layout

Factory Design and layout – importance of factory design, factors affecting factory design, Types of buildings (single and Multi - story) – advantages and limitation. Factory layout– Process, Product and combined layout design requirement–requirements relating to health, safety and welfare. Balancing – Steps to balance the line – initial balance - balance control – efficiency - cycle checks- balancing tools. (15 Hours)

UNIT IV Principles of Costing

Principles of costing-Requirement of good costing system. Cost estimation of yarn and fabric. Cost estimation for dyeing, printing, embroidery, cutting, stitching, checking, packing, final inspection, shipping and insurance. (15 Hours)

UNIT V Garment Export Unit

Performance of Indian garment Export and institutions supporting entrepreneurs, SWOC analysis setting up of garment unit for export market, export document, export finance- payment method, export shipping. Institutions supporting entrepreneurs - DIC, NSIC, SISI, SIPCOT, TII, KVIC, CODISSIA, commercial banks –SBI. (15 Hours)

TEXT BOOKS

1. AJ Chester, Ltd, (1998). *Introduction to Clothing Production Management*, New Delhi: 2nd Edition, Wrenbury Associates.
2. Harold Carrand Barbara Latham, (1994). *The technology of clothing manufacture*, London: Black well Science.
3. Krishnakumar. *Apparel Costing, A functional Approach*, (2011). Chandigarh: M,Abishek Publications.

REFERENCE BOOKS

1. Dinakar Pagare, (2018). *Principles of Management*, Delhi: Sultan Chand and Sons Publication.
2. Dr. C. B Gupta, Dr N. P. Srinivasan, (1997). *Entrepreneurship Development in India*, Delhi: Sultan Chand and Sons.
3. V. Ramesh Babu, (2012). *Industrial Engineering in Apparel Production*, India: Wood Head Publishing India in Textiles.

Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]

1. <https://lonelyentrepreneur.com/types-of-entrepreneurs/>
2. <https://textilecourse.blogspot.com/2019/02/plant-layout-textile-garment-industry.html>
3. <https://www.fibre2fashion.com/industry-article/7665/the-organisation-of-a-clothing-factory>
4. <https://apparelcosting.blogspot.com/2017/05/apparel-costing-principles.html>
5. <https://www.onlineclothingstudy.com/2019/04/how-to-start-garment-business.html>

| Course Code 23UCFE62 | 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 | 3 | 3 | 3 | 3 | 2 | - | - | - | 3 | - |
| CO2 | 3 | 3 | 3 | 3 | 2 | - | - | - | 3 | - |
| CO3 | 3 | 3 | 3 | 3 | 2 | - | - | - | 3 | - |
| CO4 | 3 | 3 | 3 | 3 | 3 | 1 | 1 | 1 | 3 | 2 |
| CO5 | 3 | 3 | 3 | 3 | 3 | 1 | 1 | 1 | 3 | 2 |

Strong (3) Medium (2) Low (1)

Mrs.J.Athirstam
Head of the Department

Mrs.J.Athirstam
Course Designer



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VIRUDHUNAGAR

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| | | | |
|--|---|----------------|----------------|
| Semester VI | DESIGN PROCESS AND PRODUCT DEVELOPMENT PRACTICAL | Hours/Week:5 | |
| Elective Course DSEC – 4 Practical -II | | Credits:4 | |
| Course Code 23UCFE63P | | Internal 40 | External 60 |

COURSE OUTCOMES

On completion of the course, students will be able to

CO1: Illustrate models for ready to wear outfit and haute couture garments. [K2]

CO2: trace the paper pattern and construct the designer wear for the product development. [K2]

CO3: apply the mood board, story board, theme board, colour board and design process for the product development. [K3]

CO4: identify the stitching procedure and calculate cost for the developed designer wear. [K3]

CO5: prepare record for the constructed designer wear according to the selected theme. [K3]

Prepare ready to wear outfit and haute couture

Instructions

- The students should prepare Two ready to wear outfits and one haute couture outfit based on chosen theme for Kids, Men and Women's wear
- It is mandatory for students to prepare product development record for their examination.
- The product and record will be evaluated by a Team of Internal & External Experts.
- This will be followed by the Viva-Voce.

TEXT BOOKS

1. Harold Carr, John Pomeroy, (1992). *Fashion Design and Product development*, England: Blackwell Publication,
2. Linda Tain, (2010). *Portfolio presentation for fashion designers*, New York: Fairchild Publishers,

REFERENCE BOOKS

1. S.Kevin, (2006). *Portfolio Management*, India: PHI publications,

2. Alles, Jeanne, (1992). *Design with Color: The design guide to over 1000 color combination*, California: Chronicle Books,
3. Anne, A., & Julian, S. (2000). *Fashion drawing*, London: The Basic Principles, BT Batsford.
4. Drudi, E. (2011). *Figure drawing for fashion design*, Amsterdam: The Pepin Press.
5. Faerm Steven, (2012). *Design Your Fashion Portfolio* Paperback, United States: Bloomsbury Publishing.
6. Tain, L. (2010). *Portfolio presentation for fashion designers*, New York: Fair Child Books.

Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]

1. <https://youtu.be/HEsmu45SKv4>
2. <https://youtu.be/buERDxlBn8w>

| Course Code 23UCFE63P | PO1 | | PO2 | | PO3 | PO4 | | PO5 | PO6 | PO7 |
|--------------------------|-----|-----|-----|-----|------|-----|-----|------|------|------|
| | PSO | PSO | PSO | PSO | PSO3 | PSO | PSO | PSO5 | PSO6 | PSO7 |
| | 1.a | 1.b | 2.a | 2.b | | 4.a | 4.b | | | |
| CO1 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 2 | - |
| CO2 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 2 | - |
| CO3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | - |
| CO4 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 1 |
| CO5 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 1 |

Strong (3) Medium (2) Low (1)

Mrs.J.Athirstam
Head of the Department

Ms.S.Betsy Sherin
Course Designer



Curriculum for B.Sc. Costume Design and Fashion

V.V.VANNIAPERUMAL COLLEGE FOR WOMEN
 (Belonging to Virudhunagar Hindu Nadars)
 An Autonomous Institution Affiliated to Madurai Kamaraj University, Madurai
 Reaccredited with 'A++' Grade (4th Cycle) by NAAC
VIRUDHUNAGAR
Quality Education with Wisdom and Values

B.Sc. Costume Design and Fashion
 (for those who join in 2023-2024)

| | | | |
|--|--|----------------|----------------|
| Semester VI | SUSTAINABLE PRODUCT DEVELOPMENT PRACTICAL | Hours/Week:5 | |
| Elective Course DSEC – 4 Practical -II | | Credits:4 | |
| Course Code 23UCFE64P | | Internal 40 | External 60 |

COURSE OUTCOMES

On completion of the course, students will be able to

CO1: understand the principles of 3R – reduce, reuse and recycle in the context of sustainable product development. [K2]

CO2: explain the process of sanitizing and preparing textile waste for product development. [K2]

CO3: create sustainable accessories, ornaments and home textile products and also to enhance the entrepreneurial skills. [K3]

CO4: calculate cost effectiveness and eco benefits of up cycled products. [K3]

CO5: apply innovative design thinking in transforming waste material into marketable products and prepare record for it. [K3]

1. Collection of Wastes

The student can apply the concept of 3R -Reduce, reuse and recycle and create any products. Yarns ravelled from old dresses may be used to enrich a product. If waste fabric is used waste fabrics are collected. The waste fabrics include used clothes, torn garments, fabric wastebits from the tailoring shops orders maker's room. The fabrics are washed with soap and hot water and sterilized.

Create any 10 products

2. Accessories

- Hand Bags
- Cell Phone Pouches
- Belts

3. Ornaments

- Set of Earrings
- Pair of Bangles
- Hair Band

4. Create the Following Products

- Puppets
- Dress for Dolls
- Note Book Covers

5. Home Textile Products

- Table Cloth
- Door Mats
- Plate Mats
- Pillow Covers Any other (For your creativity)

TEXT BOOK

1. Pam Scheunemann, (2012). *Cool Fabric Projects: Creative Ways to Upcycle Your Trash Into Treasure*, United State: ABCD Checkerboard Library.
2. Kitty Moore (2019). *Upcycling Crafts*, United Kingdom: Venture Ink,
3. Tula Pink, (2012). *Quilts from the House of 20 Fabric Projects to Make, Use and Love*, America: Krause Publications,

REFERENCE BOOKS

1. Debbie Shore, (2018). *Half Yard(TM) Bags&Purses:Sew12 beautiful bags and 12 matching purses*, UK: Search Press, Limited.
2. Caroline Fair banks and Critch field, (2017). *Crafty Little Things to Sew: 20 Clever Sewing Projects Using Scraps & Fat Quarters –*, Lark Books, United States: Union Square and Co.

Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]

1. <https://www.diyncrafts.com/15703/repurpose/100-brilliant-projects-to-upcycle-leftover-fabric-scraps>
2. <https://feltmagnet.com/crafts/Fabric-Scraps-Crafts-Ideas>
3. <https://in.pinterest.com/fabricdotcom/scrap-fabric-projects/>
4. https://www.youtube.com/watch?v=YscLxJrZ_WI
5. <https://sewing.com/sewing-projects-fabric-scraps/>

| Course Code 23UCFE64P | 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 | PSO6 | PSO7 |
| CO1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| CO2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| CO3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| CO4 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| CO5 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |

Strong (3) Medium (2) Low (1)

Mrs.J.Athirstam
Head of the Department

Mrs.J.Athirstam
Course Designer



B.Sc. Costume Design and Fashion
 (for those who join in 2023-2024)

| | | | |
|---|---|----------------|----------------|
| Semester VI | COMMUNICATION AND WORK ETHICS FOR APPAREL INDUSTRY | Hours/Week:2 | |
| SEC-7 Professional Competency Skill Enhancement Course | | Credits:2 | |
| Course Code 23UCFS61 | | Internal 25 | External 75 |

COURSE OUTCOMES

On completion of the course, students will be able to

- CO1: enumerate the concepts, objectives and elements of communication, business correspondence, workplace, professionalism, harassment and work organization. [K1]
- CO2: show the significance of communication business correspondence, work place ethics, harassment prevention, strategies and work planning in the apparel industry. [K1]
- CO3: explain the types and process involved in communication and business correspondence, maintaining professionalism, workplace ethics, harassment prevention and effective work planning in the apparel industry. [K2]
- CO4: describe the principles of effective communication, business correspondence, workplace professionalism, harassment prevention and strategic work planning to enhance ethical and efficient practices in the apparel industry. [K2]
- CO5: implement strategies for workplace communication, ethical business interactions, professional behavior, harassment management and organized work planning to improve productivity and team work in the apparel sector. [K3]

UNIT I Communication

Communication-meaning and definition. Types of communication-verbal and non-verbal barriers of communication. Listening-definition-listening process-types- superficial, appreciative, focused, attentive evaluative, empathetic. Active listening-strategies of developing active listening skills. Letter correspondence-introduction, objectives - requirement correspondence-definition, application letter, contact of resume and CV, interview letter, offer of employment, letter of acceptance, resignation letter, letter of recommendation. (6 Hours)

UNIT II Business Correspondence

Business Correspondence -Meaning and significance-Principles-Essentials of Business letters- - introduction, format and layout -E-mail- report writing, -writing skills - Elements of business letter- Workplace communication - Follow routine verbal and written instructions, develop effective work place relationships, Communicate and work with team members, Respond effectively to customer requests. (6 Hours)

UNIT III Maintaining Professionalism in Workplace

Maintain professionalism in the workplace - Respect work time frames, maintain personal appearance and hygiene, Maintain adequate distance with colleagues and clients, Work in an ethical manner (honesty, work integrity, work ethics). Problem solving in work activities- Identify and examine problem, determine fundamental causes of the problem, determine corrective action, Provider commendations to authorities. (6 Hours)

UNIT IV Work place Harassment

Work place harassment-Identify the difference between acceptable behavior and unacceptable behavior, define work place harassment -types of harassment. Strategies to protect self and deal with work place harassment, Support colleagues and assist in creating a harassment policy. (6 Hours)

UNIT V Planning and organizing work

Plan and organize work - Set objectives and plan work activities, Plan and schedule work activities, implement work plans, Monitor work activities. Lead small teams - Motivate and build the team, facilitate team development and monitor team effectiveness. (6 Hours)

TEXT BOOKS

1. Richard Brindley, (2022). *Good Practice Guide Professional is mat Work* London: 1st edition, RIBA Publishing;
2. Christian B .Miller, Ryan West (2020). *Integrity, Honesty, and Truth Seeking*, USA:OUP.
3. Leena Mikkola, Maarit Valo,(2019). *Workplace Communication*, India: 1st edition Rutledge, Publication.
4. David L. Lewis, (2019). *Effective Communication in the Work place*, US: Amazon

Digital Services LLC - KDP Print

REFERENCE BOOKS

1. Judith Combes Taylor, Judith Combes Taylor Ph . D., Rebekah Lashman, Pamela, (1994). *Helling Practical Problem-Solving Skills in the Workplace*, America: AMACOM Div American Mgmt Assn,
2. Jeff Butter field, (2016). *Problem-Solving and Decision Making*, USA: 3rd edition Course Technology Inc.

3. Avina Mendonca, Ernesto Noronha, Premilla D Cruz, (2021). Asian countries: *Asian Perspectives on Work place Bullying and Harassment*, Springer Nature publication.
4. Cary Cooper, Dieter Zapf, Helge Hoel, Stale Einarsen, (2020). *Bullying and Harassment in the Work place*, Boca Raton: CRC Press.

Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]

1. <https://www.javatpoint.com/barriers-of-communication>
2. <https://www.toppr.com/guides/business-communication-and-ethics/business-correspondence/meaning-and-importance-of-business-correspondence>
3. <https://career.vt.edu/develop/professionalism.html>
4. <https://blog.vantagecircle.com/workplace-harassment/>

| Course Code 23UCFS61 | 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 | PSO 6 | PSO 7 |
| CO1 | 3 | 2 | 3 | 3 | - | - | - | - | 3 | 3 |
| CO2 | 3 | 2 | 3 | 3 | - | - | - | - | 3 | 3 |
| CO3 | 3 | 2 | 3 | 3 | - | - | - | - | 3 | 3 |
| CO4 | 3 | 3 | 3 | 3 | 1 | - | - | 1 | 3 | 3 |
| CO5 | 3 | 3 | 3 | 3 | 1 | - | - | 1 | 3 | 3 |

Strong (3) Medium (2) Low (1)

Mrs.J.Athirstam
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Ms.L.Devimuthumari
Course Designer