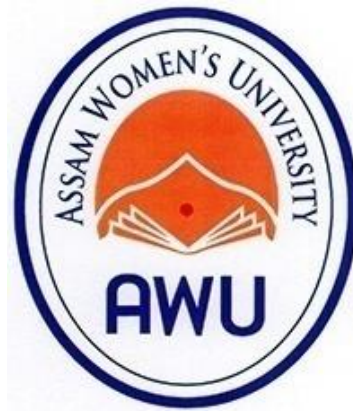


# **ASSAM WOMEN'S UNIVERSITY**

## **Syllabus for Five-Year Integrated Post Graduate Programme of Fashion Technology**

**Revised under  
National Education Policy 2020  
Implementation Strategies**



**Department of Fashion Technology**

School of Media, Technology & Information Sciences

**Assam Women's University**

**Rowriah, Jorhat-04**

# **ASSAM WOMEN'S UNIVERSITY**

## **Five-Year Integrated Post-Graduate Programme of FASHION TECHNOLOGY**

### **REGULATIONS AND SYLLABUS**

#### **Department of Fashion Technology**

The Department of Fashion Technology was established in the year 2014 under the School of School of Media, Technology & Information Sciences. The Program offered by the department is Five Year Integrated PG Program of Fashion Technology which gives an in-depth knowledge of designing, technology, export merchandising, fashion retailing, technical textiles, textile testing, professional sewing and construction and computer application in designing. The highlighting feature is industrial internship opportunities with renowned Designers, Brands, Design and Export houses as well as being entrepreneurs.

#### **Objectives of the Programme**

The programme is aimed with the following objectives:

- Enhancing creativity and innovation in fashion technology
- Developing technical skills in garment construction and production
- Fostering collaboration and teamwork in the fashion industry
- Providing experiential learning opportunities through internships and projects
- Cultivating a strong understanding of current fashion trends and market demands
- Empowering students to become self-employed and successful professionals in the fashion industry
- Encouraging critical thinking and problem-solving skills in fashion technology

#### **Outcomes of the Programme**

- Increased understanding of industry trends and technologies
- Analysed design and technical skills
- Examine critical thinking and problem-solving abilities
- Application of sustainable and ethical practices in the fashion industry
- Selection of right communication and collaboration skills
- Create employability and career opportunities in the fashion technology sectors

**Semester wise and component wise distribution of credit (5 Year Integrated PG Program) in sync with Table:**

Year	Semester	Component	Course Code	Credit per Course L+T+P=Cr	Total credit in the component	
First Year	I	Introduction to Fashion	FYIFTC 1401	(3+1+0)4	4	
		Introduction to Textile Studies	FYIFTM1401	(2+1+1)4	4	
		Fashion Concept	FYIFTG1401	(2+1+1)4	4	
		English/ Assamese(MIL)/ Regional Language		3	3	
		Dyeing and Printing	FYIFTS 1301	(1+1+1)3	3	
		Computer Aided Designing-I	FYIFTV 1301	(1+1+1)3	3	
					21	
	II	Design Elements and principles	FYIFTC 2402	(1+1+2)4	4	
		Textile Studies-I	FYIFTM 2402	(2+1+1)4	4	
		Elements of Design	FYIFTG 2402	(2+1+1)4	4	
		English/ Assamese(MIL)/ Regional Language	AEC	3	3	
		Hand Embroidery	FYIFTS 2302	(0+1+2)3	3	
		CAD Application	FYIFTV 2302	(1+1+1)3	3	
					21	
	EXIT OPTION WITH CERTIFICATE (after 45 credit hours' worth learning)	Students who wants to exit the AWU FYIPGP at the end of one year (two semesters) will be awarded a UG Certificate Programme in the chosen fields of study after securing the requisite Credits on completion of two Semester, if in addition, they complete ONE vocational course or internship of 3 credits within one year from the completion of 2nd semester examination.			3	
	<b>Total Credits</b>					<b>45</b>
		III	Pattern Making Technology-I	FYIFTC 3401	(2+1+1)4	4
Garment Manufacturing Technology-I			FYIFTC 3402	(1+1+2)4	4	
Fabric Study			FYIFTM 3401	(3+1+0)4	4	
Jewellery Making			FYIFTG 3401	(1+1+2)4	4	
English/ Assamese(MIL)/ Regional Language			AEC	3	3	
Accessories Designing			FYIFTS 3303	(1+1+1)3	3	

Seco nd Year					22
	IV	Pattern Making Technology-II	FYIFTC 4401	(0+1+3)4	4
		Garment Manufacturing Technology-II	FYIFTC 4402	(0+1+3)4	4
		Fashion Illustration-I	FYIFTC 4403	(1+1+2)4	4
		History of Fashion	FYIFTC 4404	(3+1+0)4	4
		Textile Finishes	FYIFTM 4401	(3+1+0)4	4
		Computer Aided Printed Textile Designing	FYIFTV 4303	(0+1+2)	3
					23
EXIT OPTIO N WITH DIPLO MA (after 90 credit hours' worth learnin g)	Students who wish to exit the AWU FYIPGP programme at the end of 2-year (4 semesters) shall be awarded a UG Diploma (in field of major discipline) subject to satisfying the requisite credits requirements, if in addition, they complete ONE vocational course or Internship of 3 credits within one year from the completion of 4th semester examination.				3
<b>Total Credits</b>					<b>90</b>
Third Year	V	Pattern Making Technology-III	FYIFTC 5401	(0+1+3)4	4
		Garment Manufacturing Technology-III	FYIFTC5402	(0+2+2)4	4
		Fashion Illustration-II	FYIFTC 5403	(0+2+2)4	4
		Textile and Garment Quality Analysis Assurance	FYIFTC5404	(3+1+0)4	4
		Draping-I	FYIFTM 5401	(1+1+2)4	4
		Internship	FYIFTI 5301	(0+0+3)3	3
					23
	VI	Pattern Making Technology-IV	FYIFTC 6401	(0+2+2)4	4
		Garment Manufacturing Technology-IV	FYIFTC 6402	(0+2+2)4	4
		Fashion Illustration- III	FYIFTC 6403	(0+2+2)4	4
		Fundamental of Marketing and Merchandising	FYIFTC 6404	(3+1+0)4	4
		Draping-II	FYIFTM 6401	(0+2+2)4	4
					20
	EXIT OPTIO N WITH 3 YEAR	Students who wish to opt out of the AWU FYIPGP programme at the end of a 3-year (6 semesters) shall be awarded a degree in 3-Year UG programme in the respective Major discipline, subject to satisfying the requisite credit requirements, if in addition, they complete ONE vocational course or Internship of			

	BACHELOR'S DEGREE (after 130 credit hours' worth learning)	3 credits during their 3 <sup>rd</sup> year of study. However, the above mentioned Vocational course or Internship is mandatory requirement even for those students choosing to continue into the 4 <sup>th</sup> and 5 <sup>th</sup> year of the Programme.				
<b>Total Credits</b>					<b>130</b>	
Fourth Year	VII	Pattern Making Technology-V	FYIFTC 7401	(0+2+2)4	4	
		Garment Construction-I	FYIFTC 7402	(0+2+2)4	4	
		Principles of Management	FYIFTC 7403	(3+1+0)4	4	
		Draping-III	FYIFTM 7401	(0+2+2)4	4	
		Research Methodology	FYIFTR 7401	(3+0+1)4	4	
						20
	VIII	Creative Pattern Making	FYIFTC 8401	(0+2+2)4	4	
		Fashion Research, Product Development & Project Presentation	FYIFTC 8402	(3+1+0)4	4	
		Range Development	FYIFTC 8403	(1+1+2)4	4	
		Portfolio Making Techniques	FYIFTM 8401	(0+2+2)4	4	
		Dissertation (Collection of Data, Analysis and Preparation of Report)	FYIFTR 8801	(0+2+6)8	8	
	EXIT OPTION WITH 4 YEAR BACHELOR'S DEGREE (HONOURS) (after 174 credit hours' worth learning) OR EXIT OPTION		A Student who wishes to exit the AWU FYIPGP at the end of a 4-year (8 semester) shall be awarded the UG (Honours with Research) Degree in the major discipline after successful completion of four years, subject to her eligibility to undertake dissertation work during 7 <sup>th</sup> and 8 <sup>th</sup> semester and satisfactory performance thereof, in the same, over and above securing the minimum number of requisite credits.			24

	N WITH 4 YEAR BACHE LOR'S DEGRE E (HON OURS WITH RESEA RCH) (after 174 credit hours' worth learnin g)					
<b>TOTAL CREDITS</b>					<b>174</b>	
Fifth Year	IX	Advanced Pattern Making	FYIFTC9401	(0+2+2)	4	
		Apparel Manufacturing Technology	FYIFTC9402	(1+1+2)	4	
		Apparel Industry Management	FYIFTC 9401	(1+1+2)	4	
		Entrepreneurship	FYIFTD9402	(2+1+1)	4	
		Design Collection and Costume Preparation	FYIFTD9403	(0+2+2)	4	
		Dissertation (Writing a Research Proposal and Review of Related Literature	FYIFTR 9401	(2+0+2)	4	
					24	
	X	Functional Clothing/ Apparel Product Development	FYIFTC10403	(1+1+2)	4	
		Garment Production Management	FYIFTC10404	(1+1+2)	4	
		Fashion Industry, Marketing & Management	FYIFTD10404	(1+1+2)	4	
		Design Collection & Fashion Show/Exhibition	FYIFTD10405	(0+2+2)	4	
		Dissertation (Collection of Data, Analysis and Preparation of Report)	FYIFTR X801	(0+2+6)	8	
					24	
	EXIT AT THE END OF FIVE YEARS	Students who wish to successfully complete all curricular requirements and exit at the end of the Five Year long Integrated Post Graduate Programme shall be awarded an Integrated				

WITH FIVE YEAR INTEGRATED MASTER'S DEGREE (after 224 credit hours' worth learning)	Master's degree in the Major discipline, subject to securing the minimum number of requisite credits. The students who have already completed Dissertation OR research projects during the 7th and 8th semester of the 4th Year, need not undergo Dissertation work again during the 9th and 10th semester. Such a student can select internship/fieldwork /project work/DSE Courses or such other relevant course as recommended by the concerned Department in lieu of Dissertation work. Alternatively, students who have not completed any Dissertation or Research projects during the 7th and 8th semester of their 4th year are required to complete it in the 5th year of the Integrated PG programme.			
<b>Total Credits</b>				<b>222</b>

**Total Credits = 222**

**Code explanation:**

- i. Major: DISCIPLINE SPECIFIC MAJOR COURSE
- ii. DSE: D: DISCIPLINE SPECIFIC ELECTIVE/OPTIONAL MAJOR COURSE
- iii. MIN:M: MINOR COURSE
- iv. MD: G: MULTIDISCIPLINARY/ GENERIC ELECTIVE COURSE
- v. AEC: A: ABILITY ENHANCEMENT COURSE
- vi. SEC: S: SKILL ENHANCEMENT COURSE
- vii. VAC: V: VALUE ADDED COURSE
- viii. INTSP: I: INTERNSHIP ix. FW: I: FIELD WORK
- ix. PW: I: PROJECT WORK
- x. DIS RES: R: DISSERTATION RESEARCH

**L= Lecture, T= Tutorial, P= Practical, CH= Credit Hour, CR= Credit**

**Assessment and Examination:**

**Teaching**

The faculty of the Department is responsible for organising lecture , tutorial and practical work for the Under Graduate programme.

### **Assessment and examinations**

English shall be the medium of instruction and examination. Assessment of a student's performance in a course shall be based on marks for Internal Assessment and the Final Examination in the relevant course, as per Assam Women's University's rules.

### **Marks, grades, and classes**

Conversion of marks in courses into grade points, SGPA, CGPA, grand CGPA, and class will be done as per Assam Women's University rules.

### **Internal assessment marks**

Internal assessment will be based on

- Class assignment,
- Unit Test
- Field Work
- Group Discussion
- Seminar Presentation
- Research Papers
- Participation in class discussion and attendance etc.

The appropriate mode of assessment for a course is chosen by the course instructor.

### **Assessment and examinations**

English shall be the medium of instruction and examination. Assessment of a student's performance in a course shall be based on marks for Internal Assessment and the Final Examination in the relevant course, as per Assam Women's University's rules. There will be two phase of assessment, external and internal.

### **Letter Grade and Grade Points**

Letter Grade and Grade Points will be followed as per UGC Curriculam and Credit Framework for Undergraduate programme,2022.

<b>Letter Grade</b>	<b>Grade Point</b>
<b>O</b> (Outstanding)	<b>10</b>
<b>A+</b> (Excellent)	<b>9</b>
<b>A</b> (Very Good )	<b>8</b>
<b>B+</b> (Good)	<b>7</b>
<b>B</b> (Above average)	<b>6</b>



<b>C (Average)</b>	<b>5</b>
<b>P (Pass)</b>	<b>4</b>
<b>F (Fail)</b>	<b>0</b>
<b>Ab (Absent)</b>	<b>0</b>

**ASSAM WOMEN'S UNIVERSITY**

**SEMESTER I**

<b>Course Code</b>	<b>Course Title</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>CH</b>	<b>CR</b>
<b>FYIFTC 1401</b>	<b>Introduction to Fashion</b>	<b>3</b>	<b>1</b>	<b>0</b>	<b>4</b>	<b>4</b>

**Minimum number of classes per week: 4**

**Minimum number of classes in a semester: 60**

**COURSE OBJECTIVES:**

- To create awareness about clothing culture.
- To impact knowledge of clothing communication and fashion expression.

**Course Outline –**

**Module 1: Fashion Terminology**

- Fashion Terminology: Fashion, style, fad, classic, boutique, croquet, fashion trends, haute couture, designer, prêt-a-porter, silhouette, street fashion, fashion cycle, change, and knock off.

**Module 2: Introduction to Fashion**

- Definition
- Importance of Fashion
- Classification of Fashion
- Fashion Categories: (men's, women's and children's wear)

**Module 3: Origin of Fashion**

- Fashion Evolution.
- Functions of clothing.
- Influences of Fashion – economic aspects, technological development, social activities, cultural activities, political activities
- Factors influencing Fashion Movement - accelerating factors and retarding factors

**Module 4: Theory of Fashion**

- Fashion Cycle: Introduction stages of fashion cycles, length of cycle
- Adaptation of Fashion: Introduction, trickledown theory, trickle up theory, trickle across theory
- Consumer Groups: Introduction, fashion leader, fashion innovator, fashion motivators, fashion victims, fashion followers.
- Consumer Buying and accepting a new fashion: Introduction, consumer motivations aesthetic appeal practical consideration

**Module 5: Fashion Forecasting**

- Fashion forecasting introduction: long term forecasting, short term forecasting, colour forecasting, concept of seasons.

## **COURSE OUTCOMES:**

**C.O.1.** Understanding fashion definition and overview.

**C.O.2** Students will be able to analyse new trends and fashion styles and fashion cycle.

### References:

- Gini Stephens Fregs Fashion from concept to source: Prentice Hall New Jersey.
- Harold Can-Fashion Design and Product Development-Polygrapia Publication Group Ubhith
- Elizabeth House DederstandingFashian BSP Books, Oxford
- XathrynMillewey Fashion Lource book, Blackwed science, UK Sharon Le Fate
- Inside Fashion Design, Harper and Row Pub NY. Carter L The changingWorldof Fashion GP Panama's Sons, NY Second skin, 'Horn MI, 1981
- Study of clothing, "Houghm Mifflin Company, Basien
- xafgen Mary Individuality in clothing Houghton Mifflin Company
- Dynamics of fashion by Elaine stone

**Signature**



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**ASSAM WOMEN'S UNIVERSITY  
SEMESTER I**

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<b>Course Code</b>	<b>Course Title</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>CH</b>	<b>CR</b>
<b>FYIFTM 1401</b>	<b>Introduction to Textile Studies</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>5</b>	<b>4</b>

**Minimum number of classes per week: 4**

**Minimum number of classes in a semester: 60**

**COURSE OBJECTIVES:**

- To be familiar with the terminologies of textiles.
- To impart the knowledge of fiber, sources of fibers, their definitions and properties.

**Course Outline-**

**Module 1: Introduction to Textile**

- Definition
- Overview of the textile industry.
- Fiber and fiber properties
- Fibers classifications based on their origin (natural and man-made) and length (staple and filament)
- Natural fibers: Sources, properties, Flow chart for manufacturing process and end use of cotton, flax, jute, wool and silk.
- Manmade fibers: Sources, properties, Flow chart for manufacturing process and end use of Rayon, Acetate, Nylon, Polyester, Acrylic, and Spandex Polyolefin.

**Module 2: Introduction to Yarn**

- Definition
- Yarn classification
- Yarn spinning process
- Yarn properties
- Yarn numbering system

**Module 3: Introduction to Fabric**

- Definition
- Weaving
- Looms, it's parts and functions
- Weaving process
- Woven Fabric structure: warp, weft , selvedge
- Fabric grain: Types, identification and importance in apparel construction.

**COURSE OUTCOMES:**

**C.O.1** Students will be able to analyze differences between yarns and yarn properties as well as fiber and fiber properties.

References

- Bernard Corbman Textile Fibre to Fabric: Mc Graw Hill
- Textiles 19 th Edition. The Mc Millan Company, New York
- Vilensky, Textile Science CBS Publication, New Delhi, 1999
- Mishra SPA Textbook of fiber Science and Technology New Age Intl., Delhi 2000, Eric Oxtoby.
- "Spun Yarns, Technology, Structure and Applications, Wiley-Interscience, NY. 1978

**Signature**

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**ASSAM WOMEN'S UNIVERSITY  
SEMESTER I**

<b>Course Code</b>	<b>Course Title</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>CH</b>	<b>CR</b>
<b>FYIFTG 1401</b>	<b>Fashion Concept</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>5</b>	<b>3</b>

**Minimum number of classes per week: 4**

**Minimum number of classes in a semester: 60**

**COURSE OBJECTIVES:**

- To create awareness about clothing culture.
- To impart knowledge of clothing communication and fashion expression

**Course Outline-**

**Module 1: Fashion Terminology**

- Fashion, style, change, fashion cycle, fad, classic, boutique, croquet, fashion trends, haute couture, designer, prêt-a-porter, silhouette, street fashion.
- Elements and Principles of fashion.

**Module 2: Importance of Fashion**

- Definition, Importance, factors affecting fashion, difference of fashion and anti fashion, principles of fashion.
- Importance of drafting, how to take measurements, equipments needs for stitching.

**Module 3: Origin of fashion**

- Fashion cycles and breaks in fashion cycle. Fashion theories - trickle down, trickle across and bottom up theory.

**Module 4: Fashion forecasting**

- Concept of seasons, fairs and international markets.
- Role of Social and Psychological aspects of clothing.
- Traditional textiles of India.

**COURSE OUTCOMES:**

**C.O.1** Understanding Fashion, definition and overview.

**C.O.2** Students will be able to analyse new trends and fashion styles and Fashion cycle.

**References:**

- Fashion Design Vol.1 Fashion Concept, Dr. Navneet Kaur, Comdex /Dreamtech press
- Apparel Online, Apparel Views, Clothesline, Moda, Vogue, Simplicity etc

- Basic Fashion Design01: Research and Design, Simon Seivewright, A & C Black, 2012.
- Fashion Design research, Ezinma Mbonu, Laurence King Publishing, 2014.

**Signature**

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**SEMESTER I**

Course Code	Course Title	L	T	P	CH	CR
FYIFTS 1301	Dyeing and Printing	1	1	1	4	3

**Minimum number of classes per week: 3**

**Minimum number of classes in a semester: 45**

**COURSE OBJECTIVES:**

- Select suitable techniques for different styles and types of textile printing and idea of designs according to the latest trends.
- To Implement craft based work for fabrics
- To create entrepreneurial workmanship among students.

**Module 1: Introduction to Dye**

- Introduction to Dyes
- History of Dyes
- Types of Dyes
- Characteristics and Properties

**Module 2: Dye-stuff and its properties**

- Natural: Vegetable, Animal, Mineral
- Synthetic dyes: Acid dyes, direct dyes, reactive dyes, Vat dyes, Sulphur dyes, Azoic dyes

**Module 3: Introduction to Hand Printing**

- Hand crafted textiles segment in India.
- Different tools and equipment used for Hand Printing.
- Pre-requisites for Hand Printing.
- Different raw materials used in Hand Printing.

**Module 4: Preparation for Printing**

- Create designs and patterns.
- Preparation of fabrics
- Selection of colours
- Preparation of printing paste/dye liquer.
- Plan and structure of printing process.

**Module 5: Products Development**

- Product development through-
- Block printing
- Stensil printing
- Tie & dye printing
- Batik printing

**Course Outcome:**

**C.O.1:** Students will able to develop skills in various dyeing processes and traditional



printing methods.

**C.O.2:** Enable the students to design creative ideas.

**C.O.3:** Students will develop the spirit of entrepreneurship among the students.

**References: -**

- Indian Painting: The Lesser Known Tradition by Dallapiccola Anna L.
- Block Printed Textiles of India: by Eiluned Edwards, Niyogi Books; First edition (20 December 2015)
- Hand Block Printing and Resist Dyeing by Susan Bosence
- Bosom worth Dorothy (1995): The encyclopedia of patterns and motifs, Studio editions, London Grociki, Z.J.;
- Watsons Textile Design and Colour, London, Newness Butter Worth V.A.Shenai (1987),  
Chemistry of dyes and principles of Dyeing, Sevak Prakashan, Mumbai V.A.Shenai (1987)  
Technology of Textile Processing, Vol.IV, Sevak Publication.

**Signature**



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**ASSAM WOMEN'S UNIVERSITY**  
**SEMESTER I**

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<b>Paper Code</b>	<b>Paper Title</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>CH</b>	<b>CR</b>
<b>FYIFTV 1310</b>	<b>Computer Aided Designing-I</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>4</b>	<b>3</b>

**Minimum number of classes per week: 3**

**Minimum number of classes in a semester: 45**

**Course objectives:**

- To help students to understand the fundamentals and principles of CAD.
- To enhance the knowledge of CAD and its application.

**Course Outline:**

**Module 1: Corel draw**

- About CorelDraw
- Using the menus,
- Standard toolbar,
- Property bar and dialog boxes

**Module 2: Drawing with Corel Draw**

- Rectangle, ellipses, polygons, stars, spirals and graph paper
- Lines of all shapes and size
- Creating and manipulating text
- Selecting and transforming objects
- Shaping objects
- Filling and outlining objects

**Module 3: Editing Exercise**

- Viewing, zooming and ordering
- Combining, breaking apart, grouping, ungrouping,
- Separating and converting to curves
- Weld, intersection and trim
- Aligning coping, pasting, and cloning
- Lens, perspective and power clip
- Fitting Text to a path
- Page setup

**Module 4: Croqui Drawing**

- Kids figure
- Male figure
- Female figure

**COURSE OUTCOMES:**

**C.O.1:** Students will be empowered with the knowledge of CAD and their applications so they can execute their ideas creatively through CAD.

**C.O.2:** They will be able to describe the Corel draw work space, tools, shortcut keys and file formats.

**C.O.3:** They will be skilled enough to perform application of colour, colour swatches and various fill options by applying tracing and drawing tools.

**C.O.4:** students will be able to draw Basic Figure Forms with Grids and Guidelines

**References-**

- Up and Running with Autodesk Nastran In-CAD 2019 Simulation for Designers by Mr Wasim Younis, 2019.
- CAD-CAM in prosthodontics a revolutionary avenue to digital dentistry by Dr. Ishan Kadam, 2019.
- CAD Administration Handbook for SolidWorks by Mr Ants Palgi, Mr Alar Jogi 2017.
- CorelDRAW X7: The Official Guide, 11th Edition by Gary David Bouton 2014..

**Signature**

A handwritten signature in blue ink, appearing to read 'B. Kalita', is written above a horizontal blue line.

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**ASSAM WOMEN'S UNIVERSITY**  
**SEMESTER II**

<b>Course Code</b>	<b>Course Title</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>CH</b>	<b>CR</b>
<b>FYIFTC 2402</b>	<b>Design Elements and Principles</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>6</b>	<b>4</b>

**Minimum number of classes per week: 4**

**Minimum number of classes in a semester: 60**

**COURSE OBJECTIVES:**

- To understand design fundamental, elements and principles of design.
- To skill the students regarding how to make a design using lines, dot, shape and colour combination.

**Course Outline –**

**Module 1: Elements and Principles of Design**

- Defination
- Importance of design Elements and Principles
- Application of design Elements and Principles

**Module 2: Types of elements of Design**

- Lines: Types of Lines and Composition of Lines
- Colour: Colour Wheel, Colour Schemes, Colour psychology, Colour dimation and Colour Concept
- Shape: Triangle, Rectangle, Squares, Ovel, Circular, Hexagonal etc.
- Form: Light and shadow form, Contours, Negative and positive space
- Texture: Rough, smooth or ribbed, visual texture , illustrated texture.

**Module 3: Types of Principles of Design**

- Balance: Formal, imformal, symmetrical and asymmetrical
- Proportion: Proportonate and disproportionate
- Rhythm: Orderliness, unorderliness and progressive rhythm
- Emphasis
- Harmony: Harmony and disharmony

**Module 4: Design Developement**

- Polka Dots, Floral Prints, Other Motifs, Nursery Prints, Pop Prints. Their Developement, engragement and composition.
- Traditional/Ethnic Motif,
- Abstract Designs.

**COURSE OUTCOMES:**

**C.O.1.** Students will acquire knowledge and skill on how to make a design using lines, dot, and shape and colour combination.

**References:**

- Design Studies by Manmeet Sodhia. Kalyani Publishers
- Fashion Designers A-Z by Varie Steele, Suzy Menkes and Robert Nippoldt, Taschen; Multilingual edition, (May18,2018)
- Ireland Patrick John, Fashion Design Drawing & Presentation, Children, Men
- Ritu, Fashion Design illustrations
- Julian Seaman, Foundation in fashion design and illustration
- Zeshu Takamura, Fashion Illustration Techniques: A Super Reference Book for Beginners
- Abling Bina, “ Fashion Sketch Book”, 2006 by Fairchild Publication

**Signature**

A handwritten signature in blue ink, appearing to read 'Binita Kalita', is written above a horizontal blue line.

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**ASSAM WOMEN'S UNIVERSITY  
SEMESTER II**

<b>Course Code</b>	<b>Course Title</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>CH</b>	<b>CR</b>
<b>FYIFTM 2402</b>	<b>Textile Studies - I</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>5</b>	<b>4</b>

**Minimum number of classes per week: 5**

**Minimum number of classes in a semester: 75**

**COURSE OBJECTIVES:**

- To understand and develop the tactile and behavioral characteristics/properties of various yarn, fiber, fabrics in relation to their application and end use.

**Module 1: Introduction to Textile Fibers**

**Theory**

- Introduction to fiber Science: Definition, Classification of textile fibers according to their source and chemical composition.
- Chemical constituent of natural and manmade fiber.
- Manufacturing process and uses of fibers- cotton, flex, wool and silk; rayon, polyester and nylon
- Comparison of natural and manmade fibers.
- Latest development in textile fibers.

**Practical exercise**

- Physical analysis of fabrics composed of different fibers like cotton, wool, silk, polyester, rayon and nylon.
- Visual examination of fibers: Cellulose, Protein and Man-made fiber- Longitudinal and Cross sectional view.
- Identification of fibers in a fabric sample through:
  - Burning test
  - Microscopic test
  - Chemical test (Solubility Test)

**Module 2: Fiber properties**

**Theory**

- Physical, chemical and biological properties of Natural fibres: Vegetable fibers (bast, leaf and seed fibers), animal fibers (wool and silk) and mineral fibers (glass, asbestos and metallic fibres).
- Physical, chemical and biological properties of Man-made fibers- Polyester, Nylon, Acrylic, Spandex, Viscose, Rayon.

### **Module 3: Yarn Spinning**

#### **Theory**

- Conversion of fiber to yarn- blending, opening, cleaning, carding, doubling, combing, drawing, roving, spinning, yarn twisting.
- Types of Spinning - Ring spinning, Rotor spinning, Friction spinning, Air-jet spinning.
- Structure of yarns produced from different spinning systems.
- Classification of yarns- carded and combed yarns, woolen and worsted yarns, filament and spun yarns.
- Yarn properties -yarn linear density, size, twist in yarn, twist direction.
- Types of yarn: Simple, fancy, textured, stretch and metallic yarns-uses, quality and applications.

#### **Practical exercise**

- Visit to Spinning Mill or show relevant video films to understand the various systems of yarn spinning – staple, filament and spun filament yarns
- To analyze and understand fabric texture (appearance and hand) on the basis of the yarns used
- Fabrics using simple yarns
- Fabrics using novelty yarns
- Fabrics using filaments: textured, non-textured, spun filaments

### **Module 4: Basics of fabric manufacturing**

#### **Theory**

- Manufacturing of fabrics based on yarn quality.
- Textile finishing methods- scouring, degumming, desizing, bleaching, mercerization, ironing and starching.
- Elementary idea of the processes of conversion of yarn into fabric, i.e., weaving and knitting.

### **COURSE OUTCOMES:**

**C.O.1** The knowledge and skills related to textile science is essential to provide a comprehensive insight into the basic knowledge about fibers, yarns and

**C.O.2** Relevant properties affecting the ultimate performance and use of fabrics by the consumer, hence the subject is included in the curriculum.

#### **References:**

- Introduction to textiles by KVP Singh Kalyani Publishers
- Textiles Fiber to Fabric – P Corbman, A Wynne, Mac Milan Publishers, London
- Fabric Science by Joseph Pizzuto, A&C Black Publishers Ltd. (New York)
- Essentials of Textiles by MarjeryJosphe; Holt, Rinehart and Winston, Inc, UBSPublishers Distributors Ltd. New Delhi
- Textile Fibres and their Uses by KP Hes, Khanna Publishers, Delhi
- Textiles by Hollen and Sodler, Macmillan Publishing, India
- Introductory Textile Science by Marjury Joseph, CBS Publishers distributors Pvt.Ltd. Chennai
- Principles of Textile Testing by Booth
- Clothing,Textiles and Their Care by Dr.RajwinderK.Randhawa, Happer and Rowpublishers, New York.

-Clothing, Textiles and Laundry by Sushma Gupta, Neeru Garg and Renu Saini, Kalyani Publishers, New Delhi  
-A Text Book of Home Science by Dr. Neelam Grewal, Wiley Publishers, New York

**Signature**

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**BOS External Expert  
Dr. Binita Baishya Kalita**



**ASSAM WOMEN'S UNIVERSITY  
SEMESTER II**

<b>Course Code</b>	<b>Course Title</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>CH</b>	<b>CR</b>
<b>FYIFTG 2402</b>	<b>Elements of Design</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>5</b>	<b>4</b>

**Minimum number of classes per week: 4**

**Minimum number of classes in a semester: 75**

**COURSE OBJECTIVES:**

- The course aim to enable the students to interpret the elements in terms of printing techniques

**Course Outline-**

**Module 1: Elements of Design**

- Application of Design Elements and Principles
- Elements of Design :Line, shape and Form, Colour and Texture

**Module 2: Principles of Design**

- Colour Wheel: Primary, Secondary, Tertiary Colours
- Colour Schemes: Monochromatic, Polychromatic, Complementary, Neutral, Achromatic, Analogous colour schemes, Transparent and opaque colours, Warm colours and Cool colours, Concept of Tint, Tone and Shade

**Module 3: Colour Psychology**

- Meaning of Different Colours and their effect on the wearer
- Geometrical designs: Triangle, Rectangle, Squares
- Traditional/Ethnic Motif, Abstract Designs.

**Module 4: Design Development**

- Polka Dots, Floral Prints, Other Motifs, Nursery Prints, Pop Prints. Their Development, engragement and composition.

**COURSE OUTCOMES:**

**C.O.1.** Students will acquire knowledge and skill on how to make a design using lines, dot, and shape and colour combination.

**References:**

- Design Studies by Manmeet Sodhia. Kalyani Publishers

- Fashion Designers A-Z by Varie Steele, Suzy Menkes and Robert Nippoldt, Taschen; Multilingual edition, (May18,2018)
- Ireland Patrick John, Fashion Design Drawing & Presentation, Children, Men
- Ritu, Fashion Design illustrations

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**ASSAM WOMEN'S UNIVERSITY  
SEMESTER II**

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<b>Course Code</b>	<b>Course Title</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>CH</b>	<b>CR</b>
<b>FYIFTS 2302</b>	<b>Hand Embroidery</b>	0	1	2	5	3

**Minimum number of classes per week: 3**

**Minimum number of classes in a semester: 45**

**COURSE OBJECTIVES:**

- To acquaint the students with various ornamentation techniques on the fabrics.
- To imitate students to the world of rich and glorious textiles and crafts of India.

**Module 1: Basics of Hand Embroidery**

- Introduction and preparation of samples for hand embroidery.
- Stem
- Back,
- Running,
- Dot,
- Seeding,
- Chain- (open chain, lazy daisy, zigzag chain)
- Blanket, buttonhole,
- Spider's web- woven bars
- Brick,
- Cut work,
- Cretan,
- Fly,
- Filling stitches- (Fish bone, Romanian, satin, long and short, cross stitch, herringbone.)

**Module 2: 3D embroideries**

- Appliqué work,
- Ribbon work,
- Lace work,
- Sequin work,
- French knots
- Bullion knots
- Beads work
- Smoking
- Honey comb
- Mirror work

**Course Outcome:**

**C.O.1** To acquire relevant skills in embroidery techniques of different types of traditional Indian embroideries and textiles.

**C.O.2** The subject aims at developing skills in various types of embroidery stitches,

**References: -**

- Traditional Indian Textiles by Parul B Abhishek Publications.
- Indian Embroidery SavitriPandit.
- Irwin and Hall Indian Embroideries, Published by S.R. Bastikar, P.B. 28, Ahmedabad.

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Course Code	Course Title	L	T	P	CH	CR
FYIFTV 2302	CAD Application	1	1	1	4	3

**Minimum number of classes per week: 3**

**Minimum number of classes in a semester: 45**

**COURSE OBJECTIVES:**

1. Associate computer application and fashion software.
2. Practice Photoshop and Corel draw techniques.
3. Construction of basic designs in Textile and fashion.
4. Tabulate pattern making and grading techniques
5. Designing of Garments

**Module 1: Software Application in Designing**

- Introduction to various fashion designing software
- Application of Software – Auto CAD or Adobe Photoshop or Corel draw or Open Source
- Practicing Designs using the above software tools.
- Creating basic designs using geometrical patterns

**Module 2: Basic Designing and Color Rendering**

- Designing of repeats –  $\frac{1}{4}$ ,  $\frac{1}{2}$ ,  $\frac{3}{4}$ , Cross, Brick repeat.
- Symmetrical and Asymmetrical designs.
- One way design, abstract, all over
- 2.4 Checks, Stripes – vertical and horizontal, plaids

**Module 3: Fashion and Textile CAD**

- **Set Texture's Dye, Knitting effect, Crinkle, Leather effect**
- Light, display mode, Define show ratio, back ground colour, ruler, design E- studio, System shortcut forms, Layers, Material area.
- Pick object, Create curve, Edit curve, Create surface, Modify Clip border, Rescale surface grid, Edit Surfaces grid, Fold, Create tape, Edit clip, Texture table, Rescale texture, Create, Text, Pick colour, Set canvas property.
- Set canvas, Clip image, Edit image alpha, colour management, Draping, Fill color, pen, Local skew, Pick colour.

**Module 4: Garment CAD**

- Pick up piece, How to draw darts, Weave line, Add seam allowance to a piece, set piece information, print.
- Standard Tool Bar, Traditional tool bar, professional tool bar, Piece tool bar, Piece layout tool bar. File menu, Edit menu, Piece menu, Grading, View menu, Option Menu

**Course Outcome:**

**C.O.1:** Application of various software's in designing

**C.O.2:** Creating different textural effects and weaves in the fabric.

**C.O.3:** Drape various silhouettes and colour combination in the garments.

**NOTE:**

1. The above units to be practiced using any of the following Fashion Designing Software's or open source
2. Auto Cad, Corel Draw, Fashion CAD, Pattern and Garment CAD
3. Folder Containing all the exercises of units I, II, III and VI and to submit the same in the end examination

**References: -**

- Up and Running with Autodesk Nastran In-CAD 2019 Simulation for Designers by Mr Wasim Younis, 2019.
- CAD-CAM in prosthodontics a revolutionary avenue to digital dentistry by Dr. Ishan Kadam, 2019.
- CAD Administration Handbook for SolidWorks by Mr Ants Palgi, Mr Alar Jogi 2017.
- CorelDRAW X7: The Official Guide, 11th Edition by Gary David Bouton 2014..

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**Second Year**

**ASSAM WOMEN'S UNIVERSITY  
SEMESTER III**

Course Code	Course Title	L	T	P	CH	CR
FYIFTC 3401	Pattern Making Technology -I	2	1	1	5	4

**Minimum number of classes per week: 4**

**Minimum number of classes in a semester: 60**

**COURSE OBJECTIVES:**

- To impart knowledge about different aspects of Pattern Making
- Become familiar with tools of pattern making

**Course Outline-**

**Module 1: Introduction to Pattern Making**

- Terminology
- Pattern making and its importance
- Methods of pattern making
- Tools and equipments
- Landmark terms and symbol key

**Module 2: Standard measurement**

- Anthropometry measurements
- Standard Measurement Chart
- Steps to take body measurements

**Module 3: Pattern Development**

- Methods of Pattern Development
- Drafting method and its advantage
- Flat Pattern Method and its advantage
- Draping and its advantage

**Module 3: Pattern Drafting**

- Drafting: Basic bodice pattern set for Kids

**COURSE OUTCOME:**

**C.O.1.** The students will be skilled enough to make basic bodice pattern.

**References:**

- Armstrong Joseph es, Pattomiding for Fashion On
- Hillise and Mansfield. "Dress Design, Draping and Flat PatentangKotonificConlane 1975
- Come Get Gewingvader Digest
- Ban Alv Hat Pattern Design McGraw Hill Put USA
- Martin M.Shohem Pom making a Culinars New Dillu



- Paag 1995) Pattern dating for dress mongsuotan Publishers Digth
- Note Ste 10 per to be used for all designation

**Signature**



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**ASSAM WOMEN'S UNIVERSITY**  
**SEMESTER III**

Course Code	Course Title	L	T	P	CH	CR
FYIFTC 3402	Garment Manufacturing Technology-I	1	1	2	6	4

**Minimum number of classes per week: 4**

**Minimum number of classes in a semester: 60**

**COURSE OBJECTIVES:**

- To develop the skills of operating the machine
- To understand and appreciate different kinds of stitches and seams.
- To develop the skills of making seams, tucks, pleats etc.
- To understand the utility of seams gathers, shirring etc. As used in garments both for construction and design feature.

**Course Outline-**

**Module 1: Introduction to garment construction**

- Introduction to garment construction basic principles and techniques.
- Clothing Construction Terminology
- Equipment and accessories used in Clothing construction
- Introduction to Sewing Machine
- Introduction to different parts of sewing machine, their care and maintenance.

**Module 2: Basic Hand stitches**

- Definition and understanding of hand stitching techniques.
- Types of hand stitches
- Preparation of Samples.

**Module 3: Basic Machine stitches**

- Definition and understanding of basic seams
- Types of seam and edge finishers
- Preparation of Samples: Plain, Flat fell, Lap, French, Bound, Bias, Corded, Piped, Eased, Piping.

**Module 4: Understanding of basic techniques**

- Tucks and Pleats
- Fullness or Gathers
- Shirring
- Neckline Finishes
- Plackets
- Pockets
- Fastenings
- Construction of the Kids basic bodice block.

**COURSE OUTCOME:**

**C.O.1.** The students will be able to do maintenance the machines properly.

**C.O.2.** The students will be able to understand the machine parts deeply.

References

- The Practical Encyclopedia of sewing: By- Dorothy Wood: Lorenz Books
- The Complete Book of Sewing: Dorling Kindersley
- Sewing and Knitting: A Reader's Digest step-by-step guide
- Comparative Construction Techniques Clothing Construction: Sherie Doongaji
- Sewing Manual: Singer

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ASSAM WOMEN'S UNIVERSITY

SEMESTER III

Course Code	Course Title	L	T	P	CH	CH
FYIFTG 3401	Jewellery Making	1	1	2	6	4

**Minimum number of classes per week: 4**

**Minimum number of classes in a semester: 60**

**COURSE OBJECTIVES:**

- To gain the knowledge and significance of materials and methods used in fashion accessories.

**Module 1: Introduction**

- Fundamentals of jewellery designing
- Jewellery designing an overview
- Elements of designing
- Sources & inspirations

**Module 2: Type of Jewellery**

- Earring, Pendant, Ring, Bracelet Brooches
- Safety and care of Jewellery
- Hallmarking
- Type of Clips & Clasps
- Components of Ring

**Module 3:Product Development**

- Preparation of jewellery using animal sources- Horns, bones, skin, hair, fish-bones, fish-scales.
- Extraction of animal bones,
- Making jewellery out of Natural- abalone paua shell, cowrie shell.
- Different types of Natural wood beads - Bayong, Ebony, Gray wood- Jackfruit tree wood (Nangka) palm wood, Rosewood.
- Use of threads in jewellery making- cotton, silk, nylon.

**Course Outcome:**

- To collect and record Traditional designs.
- Students will be able to exhibit special techniques of creation of fashion accessories in a creative way.

**References:**

- Bhargav R. 2005. Design Ideas & Accessories. Jain Publ.
- John Peacock.(2000).Fashion Accessories: The Complete 20th Century Sourcebook. Thames and Hudson publishing, London
- Celia Stall-Meadows, TanaStufflebean.(2003). Know Your Fashion Accessories.
- Wire & Fire, Blend Wire Weaving and Torch Techniques for Beautiful Jewelryby Kaska Firor, Katherine Firor Colque, 2019.
- Bead Jewelry Making for Beginners, Step-by-Step Instructions for Beautiful Designsby Cecilia Leibovitz 2019.

- Silver Clay Workshop, Getting Started in Silver Clay Jewellery by Melanie Blaikie, 2018.

**Signature**



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**ASSAM WOMEN'S UNIVERSITY  
SEMESTER III**

<b>Paper Code</b>	<b>Paper Title</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>CH</b>	<b>CR</b>
<b>FYIFTS 3303</b>	<b>Accessories Designing</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>4</b>	<b>3</b>

**Minimum number of classes per week: 3**

**Minimum number of classes in a semester: 45**

**COURSE OBJECTIVES:**

- To gain the knowledge and significance of materials and methods used in fashion accessories.
- To understand the history and various brands of Accessories and learn different rendering techniques and theme based designing.

**Course Outline –**

**MODULE 1 Material Exploration**

- Colour trends of fashion accessories.
- Product designing- foot wear, handbags, belts, buttons and buckles, hats, scarves, hosiery, jewellery, neck ties, hand kerchiefs, eye wear and watches.

**MODULE 2 Explore with Boards**

- Theme boards for all accessories;
- Developing design ideas – Tribal, traditional, fusion, innovative, Fabrication information, spec drawing.

**MODULE 3 Product Developments**

- Development of designed products.
- Designing booklets;

**MODULE 4 Cost Analyses**

- Market survey
- Cost estimation of all items.
- Display of developed products

**COURSE OUTCOMES:**

**C.O.1** Students will be able to explore the communication between apparel and accessories.

**C.O.2** They will also be able to exhibit special techniques of creation of fashion accessories in a creative way.

**References:**

- Bhargav R. 2005. Design Ideas & Accessories. Jain Publ.
- John Peacock .(2000).Fashion Accessories: The Complete 20th Century

Sourcebook .Thames and Hudson publishing, London.

- Celia Stall-Meadows, TanaStufflebean. (2003). Know Your Fashion Accessories.
- Fairchild Publication, New York Carr Harold & John Pomeroy 1996. Fashion Design & Product Development.

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**ASSAM WOMEN'S UNIVERSITY  
SEMESTER IV**

<b>Course Code</b>	<b>Course Title</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>CH</b>	<b>CR</b>
<b>FYIFTC 4401</b>	<b>Pattern Making Technology-II</b>	<b>0</b>	<b>1</b>	<b>3</b>	<b>7</b>	<b>4</b>

**Minimum number of classes per week: 4**

**Minimum number of classes in a semester: 60**

**COURSE OBJECTIVES:**

- To impart Knowledge about different aspects of Pattern Making, Commercial Pattern Making.

**Course Outline –**

**Module 1: Predation of the Basic Pattern**

- Female Basic bodice block and sleeve block (with darts)
- Basic skirt block
- Dart manipulation: Slash and spread method, Pivot method

**Module 2: Style lines**

- Classic princess style line, armhole princess style line, panel style line
- Dart Cluster, Gathers, Graduating and Radiating Dart

**Module 3: Fullness or Gathers**

- Added Fullness and contouring

**Module 4: Yoke variations**

- Yokes and its variation, Flanges, tucks and pleats

**Module 5: Collars variations**

- Drafting of different collar patterns: Basic shirt, Peter Pan, Sailor, Mandarin Collar with wand, Roll collar

**Module 6: Sleeve variations**

- Drafting of different sleeve patterns: Pads, cuffs, cap sleeve, puff sleeves and variations, circular hemline sleeve and variations, petal sleeves and variations, lantern sleeve, leg-O-mutton sleeve, cowl sleeve, bishop sleeve and variations, basic kimono and raglan sleeve.

**COURSE OUTCOMES:**



**C.O.1.** Students will be able to create the design of garments with the help of patterns without wasting any extra fabric.

**References:**

- “Pattern making for fashion design”, Helen Joseph Armstrong, Harper Collins, LA.
- “Metric Pattern Cutting for Menswear”; Winfred Aldrich, BSP Professional book Oxford.
- “Pattern making and making up-the professional approach”; Marten Shoben and Janet P.Ward, Butterworth Heinman,Oxford
- “Modern sizing for women and children”; P.Kunick, Philip Kunik Publication London.
- “Dress Fitting”; Natalie Bray, Black well science Ltd London.
- “Dress Patten Designing” Natalie Bray, Black well science Ltd London.

Note: - Size 10 Slope to be used for all the variations. File should be made using full scale patterns A3, and Basic slopes should be transferred to vary sheet

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**ASSAM WOMEN'S UNIVERSITY**  
**SEMESTER IV**

Course Code	Course Title	L	T	P	CH	CR
FYIFTC 4402	Garment Manufacturing Technology -II	0	1	3	7	4

**Minimum number of classes per week: 4**

**Minimum number of classes in a semester: 60**

**COURSE OBJECTIVES:**

- To Impart Knowledge about various Fashion Details and designing various outfits

**Course Outline:**

**Module 1: Fabric Layout**

- Layout and its importance
- Types of Layout

**Module 2: Construction with different features**

- Basic bodice block with basic sleeve and shirt collar
- Dart cluster bodice with sailor collar and puff sleeves
- Princess style line bodice with Roll Collar, Circular Sleeves and Petal Sleeves
- Yoke Bodice block with stand Collar and Leg o mutton sleeve
- Yoke Bodice block with stand Collar and cowl sleeve
- Back Yoke Bodice with Mandarin Collar and Bishop Sleeve
- Back Yoke Bodice with Mandarin Collar and Lantern sleeve

**Module 3: Construction with Added Fullness**

- Added Fullness bodice with Basic Kimono sleeve Peter pan collar
- Basic Raglan sleeve & Sleeves with lowered armhole
- Flange Bodice
- Any Contoured bodice
- Any cowl Bodice

**COURSE OUTCOMES:**

**C.O.1.** Student will be able to design the garments with the help of patterns.

**C.O.2.** Students will be able to display his or her ideas with the help of Layout methods.

**References**

- Helen Jorah Armstrong-Pattern Making for Fashion Design Fourth Edition
- Mathews Practical Clothing Construction-Ra and
- Textbook of Fundamtaal of Clothing Construction-hayi Marmitarian Cause
- Hilinouse and Manshet Drip Draping and Hat Pattern Making
- Complete Guide to Sewing Reader Digest.
- Band Allyna Hai Pattern Dean McGow Hill Pub USA
- Martin M. Shoben Pattern cutting making up CBS Publishers, New Delhi
- Pamila C Stinger (1995; Pattern drafting for dress making Augustan Publishers

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**ASSAM WOMEN'S UNIVERSITY**  
**SEMESTER IV**

<b>Course Code</b>	<b>Course Title</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>CH</b>	<b>CR</b>
<b>FYIFTC 4403</b>	<b>Fashion Illustration-I</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>6</b>	<b>4</b>

**Minimum number of classes per week: 4**

**Minimum number of classes in a semester: 60**

**COURSE OBJECTIVES:**

- Students will gain knowledge about the skill in fashion illustration
- To enable students to gain knowledge of figure sketching and drawing

**Course Outline –**

**Module 1: Introduction to Fashion illustration**

- Illustration and its importance .
- Different types of lines, Checks and Shapes on a garment

**Module 2: Figure Analysis**

- Figure analysis and its importance
- Introduction to different figure types

**Module 3: Illustration Fashion Figure**

- Role of fashion illustrator in fashion industry
- Differences between Normal figure and fashion figures Basic block figure
- Head distributions of basic 12 head fashion figure (Female)
- Stick Figure
- Block Figure
- Robo Figure
- Fashion Figure (Croqui)
- Movement Figure: different views and poses.

**Module 4: Illustration Female Face**

- Different views
- Features
- Hairstyles
- Showing make up on faces
- Sketching Woman's Accessories: Shoes, Bags, watches, Jewellery, scarves, sunglasses, Hats and other accessories

**COURSE OUTCOMES:**

**C.O.1.** Students will be able to understand the fashion design concepts and illustration techniques.

**C.O.2** The students will be able to do sketching and drawing.

References:

- Design Studies by Manmeet Sodhia. Kalyani Publishers
- Fashion Designers A-Z by Varie Steele, Suzy Menkes and Robert Nippoldt, Taschen; Multilingual edition, (May18,2018)
- Ireland Patrick John, Fashion Design Drawing & Presentation, Children, Men
- Ritu, Fashion Design illustrations
- Julian Seaman, Foundation in fashion design and illustration

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**ASSAM WOMEN'S UNIVERSITY  
SEMESTER IV**

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<b>Course Code</b>	<b>Course Title</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>CH</b>	<b>CR</b>
<b>FYIFTC 4404</b>	<b>History of Fashion</b>	<b>3</b>	<b>1</b>	<b>0</b>	<b>4</b>	<b>4</b>

**Minimum number of classes per week: 4**

**Minimum number of classes in a semester: 60**

**COURSE OBJECTIVES:**

- To give an insight and input about the various aspects of the History of fashion from the ancient times onwards.

**Course Outline –**

**Module 1: The Ancient World**

- Origin of clothing
- Pre historic Costumes
- Mesopotamian Civilization and their Costumes

**Module 2: Greek Civilization**

- Costume
- Headwear and hairstyles

**Module 3: Roman Civilization**

- Roman Costumes
- Headwear and hairstyles
- Footwear

**Module 4: Egyptian Civilization**

- Egyptian Costumes
- Headwear and hairstyles

**COURSE OUTCOMES:**

**C.O.1.** The students learn about the historic importance and relevance of the costumes and take inspiration and influence for their own creations.

**References**

- A history of costume in the west Francots Boucher
- Costume the Pepin press
- Historic Costumes Karen Baclawski

- The cronicle of western costume John Peacock
- Costume and Fashion Jack Cassin- Scoot
- Survey of historic costumes Phyllustortora
- The Complete Costume History Auguste Racinet

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**ASSAM WOMEN'S UNIVERSITY  
SEMESTER IV**

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<b>Paper Code</b>	<b>Paper Title</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>CH</b>	<b>CR</b>
<b>FYIFTM 4401</b>	<b>Textile Finishes</b>	<b>3</b>	<b>1</b>	<b>0</b>	<b>4</b>	<b>4</b>

**Minimum number of classes per week: 4**

**Minimum number of classes in a semester: 60**

**Course Objectives:**

- To be able to relate aspects of clothing to the society and to expand student's perspective in fashion, keeping with present roles, personal lifestyles, and social clothing concepts.

**Course Outline:**

**Module 1: Introduction to fabric finishes**

- Definition
- Objectives and importance

**Module 2: Classification of Finishes**

- Functional: Basic and Functional/Special
- Performance: Temporary, semi-durable, permanent and durable
- Chemical and mechanical/Wet and dry finishes

**Module 3: Basic Finishes and Their Types**

- Scouring, Bleaching, Starching, Calendaring
- Pre-shrinking, Mercerization, Parchmentization, Wash n Wear, Dyeing and Printing



## **REFERENCES:**

- Bernard Corbman Textile Fibre to Fabric: Mc Graw Hill
- Textiles 19 th Edition. The Mc Millan Company, New York
- Vilensky, Textile Science CBS Publication, New Delhi, 1999
- Mishra SPA Textbook of fiber Science and Technology New Age Intl., Delhi 2000, Eric Oxtoby.
- "Spun Yarns, Technology, Structure and Applications, Wiley-Interscience, NY. 1978

**Signature**

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**BOS External Expert  
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**ASSAM WOMEN'S UNIVERSITY**  
**SEMESTER IV**

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<b>Paper Title</b>	<b>Paper Code</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>CH</b>	<b>CR</b>
<b>FYIFTV 4303</b>	<b>Computer Aided Printed Textile Designing</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>5</b>	<b>3</b>

**Minimum number of classes per week: 4**

**Minimum number of classes in a semester: 60**

**COURSE OBJECTIVES**

- To introduce the students about the various concepts of textile designing through CAD.

**Module 1:** (No. of classes required-  
10) **Theory**

- Introduction to Computer Aided Software  
(Corel draw, Adobe Photoshop, TUKA Studio)
- Learning about Corel Draw and Photoshop, different softwares.
- Uses of commands of different softwares.

**Module 2:** (No. of classes required-  
16)

**Practical exercise**

- Practicing the use of create a drawing with TUKA studio software commands.
- Preparation of samples with different colors, patterns, texture;
- Drawing basic motifs- Natural/floral, stylized, abstract and geometric;

**Module 3:** (No. of classes required-  
16)

**Practical exercise**

- Creating a designer logo,
- Developing designs for border patterns,
- Developing lattice for all over pattern- brick, diamond,
- Creation of pattern for apparel products.
- Creation of suitable background for border and all over patterns.

**Module 4:** (No. of classes required-  
10)

**Practical exercise**

- Assignment on different CAD textile designing aided software and their uses.
- A power point presentation and printed textile designing using CAD.

**COURSE OUTCOMES**

C.O.1 The student will be skilled in design development using CAD software.

**References:**

- Computer technology for textiles and apparel, edited by Jillian Hu
- Soft computing in textile engineering, edited by a. Mojumdar
- Davis L Msrin. 1980. Visual Design in Dress. Prentice Hall.
- Prakash K. 1994. Impression – A Classic Collection of Textile Designs. Design Points.
- Prakash K. 1995. Traditional Indian Motifs for Weaving & Textile Printing. Design Points.
- Rene Weiss Chase 1997. CAD for Fashion Design. Prentice Hall.
- Winfred Aldrich 1992. CAD in Clothing & Textiles. BSP Professional Books.
- Yates MP. 1996. Textiles – A Handbook for Designers. W.W. Norton.

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# Third Year

**ASSAM WOMEN'S UNIVERSITY**  
**SEMESTER V**

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<b>Paper Code</b>	<b>Paper Title</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>CH</b>	<b>CR</b>
<b>FYIFTC 5401</b>	<b>Pattern Making Technology (PMT) - III</b>	<b>0</b>	<b>1</b>	<b>3</b>	<b>7</b>	<b>4</b>

**Minimum number of classes per week: 4**

**Minimum number of classes in a semester: 60**

**COURSE OBJECTIVES:**

- To impart knowledge of pattern drafting.
- To impart knowledge about different aspects of Pattern Making.

**Course Outline:**

**Module 1: Women's Wear**

- Basic skirt,
- Low & High waist skirt
- A line
- Flared skirt
- Skirt with gathered waist line
- Gored skirt variations
- Tiers, peplums and pleats,
- Godet skirt
- Skirts with uneven hemlines

**Module 2: Torso & Tent**

- Torso Foundation,
- Panel dress foundation,
- Tent foundation,

**Module 3: Lower torso garments**

- Culottes
- Trousers
- Slacks and Jeans
- Shorts and Pant variation.

**Module 4: Grading**

- Basic Bodice,
- Basic Sleeve etc
- Sheath Skirt,

**COURSE OUTCOME:**

**C.O.1.** The students will be skilled enough to design garments appropriately to customer's satisfaction and need.

**References**

- Armstrong Joseph Halen, PatternMaking for fashion Design, 2013 edition.
- Dress Design Draping Flat Pattern by Marion Hillhouse Evelyn Mansfield, 1948

- "Reader's Digest" Complete Guide to Sewing by [Reader's Digest Association](#), 9 October 1978
- Flat Pattern Design by [Allyne Bane](#), December 1, 1972.
- Pattern Cutting and Making Up by Janet Ward, Martin Shoben, 5 July 1987.
- Grading Techniques for Modern Design by [Jeanne Price](#), 1 September 1974

**Note –**

- Size ten sloper to be used for all design variations.
- File should be made using full scale patterns (A2 are) and Basic staplers should also be transferred to ivory sheet.

**Signature**

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**ASSAM WOMEN'S UNIVERSITY**  
**SEMESTER V**

<b>Paper Code</b>	<b>Paper Title</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>CH</b>	<b>CR</b>
<b>FYIFTC 5402</b>	<b>Garment Manufacturing Technology (GMT)- III</b>	<b>0</b>	<b>2</b>	<b>2</b>	<b>7</b>	<b>4</b>

**Minimum number of classes per week: 4**

**Minimum number of classes in a semester: 60**

**COURSE OBJECTIVES:**

- To impart knowledge of machines used for sewing.
- To impart knowledge about various construction techniques and applying these techniques in garment construction.

**Course Outline:**

**Module 1: Skirt Variations**

- Basic skirt,
- Low & High waist skirt
- A line skirt
- Flared skirt
- Skirt with gathered waist line
- Gored skirt variations
- Tiers, peplums and pleats,
- Godet skirt
- Skirts with uneven hemlines

**Module 2: Torso & Tent**

- Torso Foundation,
- Panel dress foundation,
- Tent foundation,

**Module 3: Bifurcated Garments**

- Culottes
- Trousers
- Slacks and Jeans
- Shorts and Pant derivatives

**COURSE OUTCOME:**

**C.O.1.** The students will be skilled enough to construct garments appropriately to customer's satisfaction and need.

**References:**

- Armstrong Joseph Halen, PatternMaking for fashion Design, 2013 edition.
- Practical Clothing Construction by Mary Mathews, 09 Jan 2023.
- Textbook of Fundamentals of Clothing Construction. ICAR, New Delhi  
LabanyaMazumdar and R Vatsala, 2004.
- Dress Design: Draping and Flat Pattern Making by Hillhouse M.S. & Mansfield Evelyn A, 2009.

- "Reader's Digest" Complete Guide to Sewing by Reader's Digest Association, 9 October 1978.
- Flat Pattern Design by Allyne Bane Sewing 1972.
- Pattern Cutting and Making Up by Janet Ward, Martin Shoben, 5 July 1987.
- "Pattern drafting for dress making" Pamila C Stinger, Augustan Publishers 1995.

**Signature**



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**ASSAM WOMEN'S UNIVERSITY  
SEMESTER V**

<b>Paper Code</b>	<b>Paper Title</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>CH</b>	<b>CR</b>
<b>FYIFTC 5403</b>	<b>Fashion Illustration II</b>	<b>0</b>	<b>2</b>	<b>2</b>	<b>6</b>	<b>4</b>

**Minimum number of classes per week: 4**

**Minimum number of classes in a semester: 60**

**COURSE OBJECTIVES:**

- To skill the students regarding how to make a design using lines, dot, shape and colour combination.
- Students will gain knowledge about the skill in fashion illustration and students will be able to illustrate different types of figures and dresses.

**Course Outline**

**Module 1: Colour and mediums**

- Practice with mediums
- Pencil Colour,
- Poster Colour,
- Water Colour,
- Photo colours etc
- The croqui- Face, tone, hair, eyes, etc

**Module 2: Sketching of fabric surface**

- Satin
- Silk
- Cotton
- Chiffon
- Georgette
- Denim
- Leather, etc.

**Module 3: Illustrations**

- Drapery
- Pose drawing
- X pose, y pose, S pose etc

**Module 4: Working with Prints**

- Zebra Print
- Giraffe Print
- Tiger Print
- Snake Print
- Leopard Print
- Dalmatian Print
- Stripes, Checks, Polka Dots etc.

**References:**

- Fashion Design Manual, Pamela Stecker, 1996.
- Fashion Sketch book, Bin Abling, 2007.
- Fashion Design Illustration, [John M Turnpenny](#), January 1, 1981.
- Fashion Illustration Today, [Nicholas Drake](#), 1994.
- 9Heads: A Guide to Drawing Fashion by Nancy Riegelman, 22 October 2012.
- Fashion Illustration: Basic Techniques, [Julian Seaman](#) Batsford, 1996.

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**ASSAM WOMEN'S UNIVERSITY**

**SEMESTER IV**

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<b>Paper Code</b>	<b>Paper Title</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>CH</b>	<b>CR</b>
<b>FYIFTM 5401</b>	<b>Draping I</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>6</b>	<b>4</b>

**Minimum number of classes per week: 4**

**Minimum number of classes in a semester: 60**

**Course Objective:**

- To enable students to make pattern by using dress form.
- To obtain perfect fit and harmony between the fabric and design of the garment.

**Course Outline:**

**Module 1: Introduction**

- History of Draping
- Tools and equipment
- Terminology of Draping
- Understanding the Fabric for Draping
- Clear picture of Dress Form
- Various sizes and types of dress forms available

**Module 2: Draping of Basic Bodice Block**

- Front and Back
- Single dart
- Double Dart
- Triple Dart
- Six Dart

**Module 3: Neckline variations**

- U, V, Round, Square,
- Horse Shoe,
- Sweet heart,
- Cowl,
- Key hole Neckline,
- Halter

**Module 4: Skirt Variations**

- Basic Skirt

- Flared Skirt
- Pleated Skirts: Knife, Inverted Pleat, Box Pleat
- Peg Skirt
- Wrap around Skirt
- Godet Skirt
- Yoke Skirt
- Asymmetrical Skirt
- A Line Skirt
- Gathered Skirt

**COURSE OUTCOMES:**

C.O.1: The student will be skill enough to start their own unit.

**References**

- Advanced drafting and draping by Manmeet Sodhia, Kalyani Publishers
- The art of fashion draping by Connie Amaden Crawford Fairchild
- Dress Fitting by Natalie Bray Blackwell Science
- Draping for Apparel Design Helen Joseph Armstrong
- The Art Of Fashion Draping Connie Amaden-Crawford.

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**SEMESTER V**

<b>Paper Code</b>	<b>Paper Title</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>CH</b>	<b>CR</b>
<b>FYIFTI 5401</b>	<b>Internship</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>8</b>	<b>4</b>

**Industry Internship**

**Duration: 4 weeks**

**Course Objectives:**

- To conduct an in depth study of a chosen industry.
- To know the various methods of qualitative research methodology.
- To know the basics of visual and written presentation techniques for documentation.
- To learn about an industry, technology applied, the materials, techniques, products, processes, economics, work culture and their interrelations.

**Module: 1**

- Internship- Apparel/Textile
- Report writing
- Project preparation based on industrial training
- The report should be accompanied by the training certificate from the industry.
- It should be duly signed by the student.

**Course Outcomes:**

**C.O.1:** The students will acquire necessary knowledge and skills required for organizing and carrying out entrepreneurial activities,

**C.O.2:** To develop the ability of analyzing and understanding business situations in which entrepreneurs act and to master the knowledge necessary to plan entrepreneurial activities at the end of completion of this course.

**References:**

- Entrepreneurship by MadhurimaLall
- Retail Management by Gibson.GVedamani
- J.S. Saini: Entrepreneurship and Small Business in India, Himalaya Publishing House.
- P. Charantimath: Entrepreneurship Development: Small Business Enterprises, Pearson Education.
- Vasant Desai: Small-Scale Industries and Entrepreneurship, Himalaya Publishing House.
- Kaulgud: Entrepreneurship Management, Vikas Publishing House.
- S.S Kanka, Entrepreneurial Development, Revised edition, Sultan Chand Publications, New Delhi, 2012.

- Khanaka, S.S., Entrepreneurial Development, S. Chand and Company Ltd., New Delhi,(2006).
- Sanjay Tiwari and AnshujaTiwari, Entrepreneurship Development in India. Sarup & Sons, New

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**SEMESTER VI**

<b>Paper Code</b>	<b>Paper Title</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>CH</b>	<b>CR</b>
<b>FYIFTC 6401</b>	<b>Pattern Making Technology-IV</b>	<b>0</b>	<b>2</b>	<b>2</b>	<b>6</b>	<b>4</b>

**Minimum number of classes per week: 4**

**Minimum number of classes in a semester: 52**

**COURSE OBJECTIVES:**

- To impart knowledge of pattern adopting.
- To impart knowledge about different aspects of adaptation for designing purpose.

**Course Outline:**

**Module 1: Kids Wear**

- Basic skirt
- Ruffled and drawstring sleeve
- Flared skirt
- Gathered skirt with stylized waist line
- Yoked circular skirt,
- Collars

**Module 2: Dresses and Jumpers**

- Shift Foundation,
- Tent Foundation,
- Tent foundation with bib jumper
- Bib overall,
- Shorty shorts
- Flared shorts

**Module 3: Men's Wear**

- Introduction,
- Design for menswear,
- Basic principle and sizing
- Casual shirt block,
- classic casual jacket
- Basic one piece sleeve
- Front opening collars reverse
- Fitted, Semi Fitted, Easy fitted jackets

**Module 4: Men's Trouser**

- Trouser block parallel
- Trouser with pleated waistline
- Trouser with extra fullness
- Slim line trouser

**COURSE OUTCOME:**

**C.O.1:** The students will be skilled enough to design and adapt anygarment design appropriately to customer's satisfaction and need.

**References:**

- Armstrong Joseph Helen, "PatternMaking for Fashion Design"
- Hillhouse and Mansfield. "Dress Design D. Pattern Company, 1975
- Complete Guide to Sewing Reader Digest
- Bane Allyne "Flat Pattern Design McGraw Hill Pub, USA
- Martin M Shoben, Pattern cutting making up? CBS Publisher Tiny De
- Pamila Stinger (1995) Pattern drafting for dis making SunitaPublisher, Delh

**Note–**

- Size 10 Sloper to be used for all design variations
- File should be made using full scale pattern (A2 size) and Basic slopers should also be transferred to ivory sheet.

**Signature**



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**ASSAM WOMEN'S UNIVERSITY**  
**SEMESTER VI**

<b>Paper Code</b>	<b>Paper Title</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>CH</b>	<b>CR</b>
<b>FYIFTC 6402</b>	<b>Garment Manufacturing Technology (GMT)-IV</b>	<b>0</b>	<b>2</b>	<b>2</b>	<b>6</b>	<b>4</b>

**Minimum number of classes per week: 4**

**Minimum number of classes in a semester: 52**

**COURSE OBJECTIVES:**

- To impart knowledge of garment designing.
- To impart knowledge about different aspects of construction for the purpose of innovative designing techniques.

**Course Outline:**

**Module 1: Kids Wear**

- Basic skirt
- Ruffled and drawstring sleeve
- Flared skirt
- Gathered skirt with stylized waist line
- Yoked circular skirt,
- Collars

**Module 2: Dresses and Jumpers**

- Shift Foundation,
- Tent Foundation,
- Tent foundation with bib jumper
- Bib overall,
- Shorty shorts
- Flared shorts

**Module 3: Men's Wear**

- Introduction,
- Design for menswear,
- Basic principle and sizing
- Casual shirt block,
- classic casual jacket
- Basic one piece sleeve
- Front opening collars reverse
- Fitted, Semi Fitted, Easy fitted jackets

**Module 4: Men's Trouser**

- Trouser block parallel
- Trouser with pleated waistline
- Trouser with extra fullness
- Slim line trouser

**Course Outcome:**

**C.O.1.** The students will be skilled enough to adapt and construct any garment design appropriately to customer's satisfaction and need.

**References-**

- Mathews M-Practical Clothing Construction-Part I and II.
- Textbook of Fundamentals of Clothing Construction-LabanyaMazumdar Indian Council of Agriculture Research.
- Heinous and Mams hold dress Design Draping and Flat PatternMaking
- Complete Guide to Sewing Reader Digest
- Bane Allyne: "Flat Pattern Design, Morava, USA
- Martin M. Shopen Pattern cutting making up. CBS Polaner's publishers
- Pamila Stinger 1995) Pattern drafting for dress making. Apata Publishers

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SEMESTER VI**

<b>Paper Code</b>	<b>Paper Title</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>CH</b>	<b>CR</b>
<b>FYIFTC 6403</b>	<b>Fashion Illustration: III</b>	<b>0</b>	<b>2</b>	<b>2</b>	<b>6</b>	<b>4</b>

**Minimum number of classes per week: 4**

**Minimum number of classes in a semester: 60**

**COURSE OBJECTIVES-**

- To skill the students regarding how to make a design using lines, dot, shape and colour combination.
- Students will gain knowledge about the skill in fashion illustration and students will be able to illustrate different types of figures and dresses.

**Course Outline**

**Module 1: Illustration of kid's figure**

- Block Figure
- Stick Figure
- Robo Figure
- Fashion Figure

**Module 2: Illustration of Movement Figure**

- Side view
- Back view
- Sitting Pose
- Walking Pose
- X, Y and S pose

**Module 3: Illustration of body parts**

- Different Features of Face
- Hairstyles

**Module 4: Accessories**

- Hair Bands
- Clips
- Bracelets
- Caps
- Bags
- Foot wear
- Necklace
- Earring
- Belt
- watch

**COURSE OUTCOMES:**

**C.O.1.** Students will acquire knowledge and skill on how to make a design using lines, dot, and shape and colour combination.

**C.O.2** The students will be able to illustrate different types of figures and Features.

### **References**

- Fashion Design Manual Pamela Stekar
- Fashion Sketch Book BinaAbling
- Fashion Design Illustration John Turnpenny
- Fashion Illustration Today Nicholas Drake
- Heads Nancy Riegelman
- Fashion Illustration Techniques Julian Seaman

**Signature**

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**ASSAM WOMEN'S UNIVERSITY**  
**SEMESTER VI**

<b>Paper Code</b>	<b>Paper Title</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>CH</b>	<b>CR</b>
<b>FYIFTC 6404</b>	<b>Fundamental of Marketing and Merchandising</b>	<b>3</b>	<b>1</b>	<b>0</b>	<b>4</b>	<b>4</b>

**Minimum number of classes per week: 4**

**Minimum number of classes in a semester: 60**

**Objectives:**

- To impart knowledge on marketing and merchandising

**Module 1: Marketing and Environment**

- Marketing terminology -marketing, market, niche market, custom, vendor, Fashion market
- Introduction to marketing environment. The company's Micro and macro environment
- Supplier and Marketing intermediates.
- The company Macro environment- Demographic nature

**Module 2: Merchandising and Global Market Place**

- Retailing Techniques
- Role of fashion Unit
- Fashion forecasting
- Merchandising , role of merchandiser ,type of merchandising
- Global market place in 21st century

**Module 3: Project and Sourcing of Materials**

- Project
- Study on famous brands available in market for men, women and children.
- Sourcing of different materials for garments construction.

**Practical:**

- Market Survey and report writing.
- Industrial visit and report submission

**Course Outcome:**

**C.O.1:** Students will gain practical experience in the field of marketing and merchandising.

**References:**

- Easy M. Fashion marketing Tachwear 1994
- Jeannette mow Dickerson dine foton on Ha USA
- Kotler Phillip -Marketing Management.
- Jarnow and KG Dickerinn, "Inside The Fashion Business Prentice Hall 1997
- Elaine Stone, Jean A samples, "Fashion Merchandising McGraw Hill Books, 1985

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A handwritten signature in blue ink, appearing to read 'Binita Baishya Kalita', is written above a horizontal blue line.

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**SEMESTER VI**

<b>Paper Code</b>	<b>Paper Title</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>CH</b>	<b>CR</b>
<b>FYIFTM 6401</b>	<b>Draping II</b>	<b>0</b>	<b>2</b>	<b>2</b>	<b>6</b>	<b>4</b>

**Minimum number of classes per week: 4**

**Minimum number of classes in a semester: 60**

**Course Objective:**

- To enable students to make pattern by using dress form.
- To obtain perfect fit and harmony between the fabric and design of the garment

**Course Outline:**

**Module 1: Draping techniques**

- Corset / Bustier
- Panelled Bodice Block
- Bodice Variations Style line Variations
- Bias Cut Dress
- Sculptured dress
- Bustier Dress
- Flounces Ruffles.
- Peplum U

**Module 2: Innovative Drapery**

- New creative drapes (Western) own design
- Symmetric & asymmetric evening gowns

**COURSE OUTCOMES:**

**C.O.1:** The student will be skilled enough to start their own unit of haute couture.

**References-**

- Draping for Apparel Design Helen Joseph Armstrong
- The Art of Fashion Draping Connie Amaden Crawford d

**Signature**

BBKalita

**BOS External Expert  
Dr. Binita BaishyaKalita**



**Fourth Year**

**ASSAM WOMEN'S UNIVERSITY**  
**SEMESTER VII**

<b>Paper Code</b>	<b>Paper Title</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>CH</b>	<b>CR</b>
<b>FYIFTC 7401</b>	<b>Pattern Making Technology -V</b>	<b>0</b>	<b>2</b>	<b>2</b>	<b>6</b>	<b>4</b>

**Minimum number of classes per week: 4**

**Minimum number of classes in a semester: 60**

**Course Objectives:**

- To impart knowledge of pattern making and garment construction technology.

**Course Outline:**

**Module 1:** Indian Module: Women's wear:

- Ladies blouse 4 dart
- Ladies kameez semi fit shirt (with waist dart & without)
- Salwar (Belted, simple)
- Patiala salwar
- Churidar
- Panel Petticoats
- Ladies Chemise.
- Designer Kurti

**Module 2:** Indian Module: Men's wear:

- Kurta Pajama
- Sherwani

**Course Outcome:**

**C.O.1:** To understand the method of pattern development for different genders in various sizes.

**References**

- Mathews M.-Practical Clothing Constructions-Part – II
- extbook of Fundamentals of Clothing Construction-Labanya Majumdar Indian Council of Agriculture Research
- Hill due and Mansfield Dress Design Draping and a Patternmaking Complete Guide to Sewing Reader Digest

- Ban Alyne, Flat Pattern Design, McGraw Hill Pub, USA
- Marin M Shaben. "Patterns cutting making up, CBS Publishers New Delhi
- Pamila C Stinger (1995) Pattern drafting for dress making Augustan Publishers

**Signature**

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**ASSAM WOMEN'S UNIVERSITY**  
**SEMESTER VII**

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<b>Paper Code</b>	<b>Paper Title</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>CH</b>	<b>CR</b>
<b>FYIFTC 7402</b>	<b>Garment Construction-1</b>	<b>0</b>	<b>2</b>	<b>2</b>	<b>6</b>	<b>4</b>

**Minimum number of classes per week: 4**

**Minimum number of classes in a semester: 52**

**Course Objectives:**

- To understand and co-relate design, pattern and manufacturing processes involved in garment manufacturing/ production such as cutting, planning, spreading, and sewing in garment industry.

**Course Outline:**

**Module 1: Garment Construction**

- Market survey
- Conceptualization
- Design Development
- Final Presentation
- Product Development
- Product presentation

**Course Outcome:**

**C.O.1:** The student will be able to make pattern according to needs and demand of fashion lovers- kids garments and can design and construct garments appropriately.

**References:**

- Mathews M-Practical Clothing Construction-Part I and II
- Textbook of Fundamentals of Clothing Construction – Labanya Mazumdar, Indian council of Agriculture Research
- Hillhouse and Mar Wild "Dress Design Draping and Flat Patting
- "Complete Guide Saving Reader Digest
- Martin M Shoben Pattern cutting making up CBS Publisher

**ASSAM WOMEN'S UNIVERSITY**  
**SEMESTER VII**

<b>Paper Code</b>	<b>Paper Title</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>CH</b>	<b>CR</b>
<b>FYIFTC 7403</b>	<b>Principles of Management</b>	<b>3</b>	<b>1</b>	<b>0</b>	<b>4</b>	<b>4</b>

**Minimum number of classes per week: 4**

**Minimum number of classes in a semester: 52**

**Course Objectives:**

- To enable students, understand management and importance of quality management in fashion Industry.

**Course Outline:**

**Module 1: Management & process**

- Definition, Nature, Purpose and Social responsibility of Manager.
- Types and Levels of Organization.
- Managerial Functions
- Process of Management: Planning, Organizing, Leading and Controlling

**Module 2: Planning and SWOT analysis**

- Planning-types, Steps and Process SWOT Analysis
- Organizational Structure, Types staff line of authority,
- Delegation and decentralization Process of Decision making,
- Motivation, Leadership Communication
- Finance-functions, responsibilities in management

**Practical:**

- Brainstorming session and group discussion.

**Visit:** Fashion Industry visit and report.

**Course Outcome:**

**C.O.1:** This course will make the students learn about various trends in management of fashion industry and understand various policies.

## References

- Management by Stoner & others
- Essentials of Management Stein Kooner & Wen-Part
- Management concept and cases by Bhattacharya

Signature

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**SEMESTER VII**

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<b>Paper Code</b>	<b>Paper Title</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>CH</b>	<b>CR</b>
<b>FYIFTM 7401</b>	<b>Draping III</b>	<b>0</b>	<b>2</b>	<b>2</b>	<b>6</b>	<b>4</b>

**Minimum number of classes per week: 4**

**Minimum number of classes in a semester: 60**

**Course Objective:**

- To enable students to make pattern by using dress form.
- To obtain perfect fit and harmony between the fabric and design of the garment.

**Course Outline:**

**Module 1: Introduction**

- History of Draping
- Tools and equipment
- Terminology of Draping
- Understanding the Fabric for Draping
- Clear picture of Dress Form
- Various sizes and types of dress forms available

**Module 2: Draping of Basic Bodice Block**

- Front and Back
- Single dart
- Double Dart
- Triple Dart
- Six Dart

**Module 3: Neckline variations**

- U, V, Round, Square,
- Horse Shoe,
- Sweet heart,
- Cowl,
- Key hole Neckline,
- Halter

**Module 4: Skirt Variations**

- Basic Skirt

- Flared Skirt
- Pleated Skirts: Knife, Inverted Pleat, Box Pleat
- Peg Skirt
- Wrap around Skirt
- Godet Skirt
- Yoke Skirt
- Asymmetrical Skirt
- A Line Skirt
- Gathered Skirt

**COURSE OUTCOMES:**

C.O.1: The student will be skill enough to start their own unit.

**References**

- Advanced drafting and draping by Manmeet Sodhia, Kalyani Publishers
- The art of fashion draping by Connie Amaden Crawford Fairchild
- Dress Fitting by Natalie Bray Blackwell Science
- Draping for Apparel Design Helen Joseph Armstrong
- The Art Of Fashion Draping Connie Amaden-Crawford.

**Signature**

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**SEMESTER - VII**

<b>Paper Title</b>	<b>Research methodology</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>CH</b>	<b>CR</b>
<b>Paper Code</b>	<b>FYIFTR 7401</b>	<b>3</b>	<b>0</b>	<b>1</b>	<b>4</b>	<b>4</b>

**Minimum number of classes per week: 4**

**Minimum number of classes in a semester: 60**

**Course objectives:**

- To familiarize students with the various types of research, data collection & analysis of research.

**Course Outline –**

**Module I: Fundamental Concepts of Research** (No. of classes required- 13)

**Theory**

- Research – Meaning, objectives and motivation of research.
- Types of research - Fundamental vs. Applied. Descriptive, Applied, Quantitative, Qualitative, Conceptual, Empirical.
- Concept of researchable problem – research prioritization – selection of research problem.
- Approach to research – research process.
- Criteria of good research.

**Module II: Hypothesis** (No. of classes required- 13)

**Theory**

- Hypothesis – meaning - characteristics - types of hypotheses
- Review of literature
- Setting of Course Objective and hypotheses - testing of hypotheses.

**Module III: Research Design** (No. of classes required- 13)

**Theory**

- Sampling theory and sampling design – sampling error –
- Methods of sampling – probability and non-probability sampling methods
- Criteria to choose samples.
- Research Designs: Meaning, need for research design ,Concepts relating to research design

**Module IV: Research Methods and Tools** (No. of classes required- 13)

**Theory**

- Data collection – assessment of data needs – sources of data collection –discussion of different situations.
- Mailed questionnaire and interview schedule – structured, unstructured, open ended and closed-ended questions.
- Preparation of schedule, Interviewing techniques and field problems
- Methods of conducting survey – Reconnaissance survey and Pre testing.
- Scaling techniques.

## **Module V: Report Writing and Statistics**

(No. of classes required- 12)

### **Theory**

- Coding, editing, tabulation and validation of data.
- Tools of analysis – data processing.
- Interpretation of results – Preparing research report / thesis
- Universal procedures for preparation of bibliography
- Writing of research articles.

### **Course outcomes:**

**C.O.1** To understand the different types of research

**C.O.2** Gets an idea on different types data collection methods

**C.O.3** Equip students with knowledge on the basic statistical calculations

**C.O.4** Enable the students to prepare a good research report

### **References:**

- Research Methodology: Methods and Techniques, C R Kothari, New Age International (p)Ltd, Delhi, 2011
- Introduction to Research in Education, Donald Ary, Lucy Jacobs, Asghar Razavieh, Christine Sorensen, Cengage Learning, 2009
- An Introduction to Statistical Methods, S P Gupta, Vikas publishing House, Delhi, 2009
- Kumar, Ranjit, “Research Methodology: A step by step guide for beginners”, London, Sage publications, 2nd Edition, 2005.
- Michael P. Marder, “Research Methods for Science”, Cambridge University Press, 2011.
- Velds, Mandy van der. “Guide to management research method” Oxford, Blackwell, 2004.

**Signature**



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**SEMESTER VIII**

Paper Code	Paper Title	L	T	P	CH	CR
IPFTMJ 8401	Creative Pattern Making	0	2	2	6	4

**Minimum number of classes per week: 4**

**Minimum number of classes in a semester: 60**

**Course Objectives:**

- The students should be able to design and make creative pattern for construction of designer garments.

•

**Module 1: Selection of outfits**

- Selection of three women's outfits and Incorporate the elements using dress form.
- Developing the muslin pattern.

**Module 2: Creating Pattern**

- Creating 6 no.s of final pattern out of 10 designs.
- Construction of 3 garments with different features.

**Module 3 Fittings**

- Fit Analysis: Overall fitting

**Course Outcome:**

**C.O.1:** The student will be able to design and construct garments appropriately to customer's satisfaction and need.

**References:**

- Advanced Drafting & Draping by Manmeet Sodhia Kalyani Publishers
- Basic Processes and clothing const. by Sherie DoongajiRajjPrakashan
- Text book of clothing and textiles by Sushma Gupta Kalyani Publishers
- Pattern cutting made easy by Gillian Holman Batsford
- Garment const. skills by Premlata Malik, Kalyani Publishers

**Signature**



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SEMESTER VIII**

<b>Paper Code</b>	<b>Paper Title</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>CH</b>	<b>CR</b>
<b>FYIFTC 8402</b>	<b>Fashion Research, Product Development &amp; Project Presentation</b>	<b>3</b>	<b>1</b>	<b>0</b>	<b>4</b>	<b>4</b>

**Minimum number of classes per week: 2**

**Minimum number of classes in a semester: 26**

**Course Objective:**

- To introduce the student to the language of design and a range of skills associated with research methods, application and development for a fashion outcome.
- To help students to learn the procedure of doing research on a subject of their interest related to fashion field and then analyse & evaluate it in a presentable manner.

Course Contents:

**Module 1 (Fundamentals of Design thinking) (No. of classes required-13)**

- Stages of Thinking- Define, Research Ideate, Prototype, select, Implement, Learn,
- Research- Identifying drivers, Information gathering, Target Groups, Sample and feedbacks;
- Idea generation- Basic design directions, Themes for thinking, Inspiration and reference, Brainstorming, Value, Inclusion, Sketching, Presenting Ideas;
- Creative Thinking Methods - Innovation through Design Thinking - The Need for Creative and Design Thinking.

**Module 2(Fashion Product Development) (No. of classes required-13)**

- Introduction to Product development process – Target market, Merchandising, Season;
- Design – Concept boards, knockoffs, Fakes,
- Design elements – Color and Fabric selection, Design principles,
- Sketching Ideas – Style boards. Sample Development – Draping, Flat pattern, Prototype, Fit;
- Tech packs – Designer work sheets,
- Line selection- Editing, Reassessment of merchandising plan, Line presentation;
- Manufacturing- Duplicates the samples.

**Guidelines for the project**

This project will be conducted during their summer break

**The File should be comprehensive and include:**

- A short account of the activities that were undertaken as part of the project.
- A statement about the extent to which the project has achieved its stated objectives.
- A statement about the outcomes of the evaluation and dissemination process engaged in as part of the project.
- Any problems that have arisen and may be useful to document for future reference.

### **Project Report:**

**The project report is the final research report that the student prepares on the project he chose. Following components should be included in the project report:**

- Title or Cover Page: Title Page should contain Project Title; Student's Name; Programme; Year and Semester and Name of the Faculty Guide
- Acknowledgement(s): Acknowledgement to any advisory or financial assistance received in the 39 course of work may be given. It is incomplete without student's signature.
- Abstract: A good abstract should be straight to the point; not too descriptive but fully informative. First paragraph should state what was accomplished with regard to the objectives. The abstract does not have to be an entire summary of the project, but rather a concise summary of the scope and results of the project. It should not exceed more than 1000 words.
- Table of Contents
- Introduction
- Materials and Methods
- Result and Discussions
- Conclusions & Recommendations
- Implications for Future Research
- References The Layout Guidelines for the Project File & Project Report
- A4 Size Paper
- Font: Arial (10 points) or Times New Roman (12 points)
- Line spacing: 1.5
- Top and bottom margins: 1 inch/2.5 cm; left & right margins: 1.25 inches/ 3 cm

### **COURSE OUTCOMES:**

C.O.1: students will be able to get knowledge about submission of a report and give presentation for the same.

### **References**

- Gini Stephens Frings (1999): Fashion: From concept to consumer, Prentice-Hill Inc.
- Gavin Ambrose & Paul Harris, Design Thinking, AVA Publishing, Switzerland.
- Harry B. Watton, “New Product Planning”, Prentice Hall Inc., 1992.
- Jacob Solinger, “Apparel Manufacturing Handbook”, Reinhold Publications, 1998.
- Introduction to research in education, AryHort Reinhart, 1982
- Research methodology by C. R Kothari, Published by Wiley Eastern Ltd, New Delhi, 2000
- Design Research: Methods and Perspectives, edited by Brenda Laurel
- Lateral Thinking: Creativity Step by Step, Edward De Bono, 1970.
- How Customers Think: Essential Insights into the Mind of the Market – Gerald Zaltman
- Five Minds for the Future – Howard Gardner
- Harry Nystrom, “Creativity and Innovation”, John Wiley & Sons, 1979.

**ASSAM WOMEN'S UNIVERSITY**  
**SEMESTER VIII**

<b>Paper Code:</b>	<b>Paper Title:</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>CH</b>	<b>CR</b>
<b>FYIFTC 8403</b>	<b>Range Development</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>6</b>	<b>4</b>

**Minimum number of classes per week: 4**

**Minimum number of classes in a semester: 60**

**Course Objectives:**

- To familiarize the students with special techniques of creation of fashion collection and develop skill in them for the development of fashion goods.

**Course Outline:**

**Module 1: Introduction**

- Definition
- Objectives
- Identification of range needs
- Study of competitors

**Module 2: Range development**

- Market Research
- Development of mood boards
- Portfolio development
- Work on Textures Collect swatches & Trimmings

**Module 3: Experimenting with fabrics**

- Swatch collection/ creation
- Trimmings
- Ornamentation
- Textures
- Making of tolls (muslin, pattern for the sainted collection)

**Module 4 Presentation & Feedback**

- Sale analysis
- Preparation of client board using CAD.
- Briefing design development team
- Briefing to manufacturer or supplier
- Product sampling
- Market test or trial run
- Quality control
- Types of packaging
- Final collection

**OUTCOME**

- Students will be able to know how a product development chain works
- They will be able to get confident about self-employability quality of product development chain.

## References

- Concept to Consumer by Fringes
- Sewing for Apparel Industry by Clair Sham
- Heinous and Mams hold dress Design Draping and Flat Pattern Making
- Bane Allyne: "Flat Pattern Design, Morava , USA

**Signature**



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**ASSAM WOMEN'S UNIVERSITY**  
**SEMESTER VIII**

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<b>Paper Code:</b>	<b>Paper Title:</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>CH</b>	<b>CR</b>
<b>FYIFTM 8401</b>	<b>Portfolio Making Techniques</b>	<b>0</b>	<b>2</b>	<b>2</b>	<b>6</b>	<b>4</b>

**Minimum number of classes per week: 4**

**Minimum number of classes in a semester: 60**

**Course Objectives:**

- Aim to develop creative skills in illustrating styles of Portfolio of innovative garment designs.
- To make students confident enough for organizing fashion show/exhibition/display.

**Course Outline:**

**Module 1: Introduction to Portfolio**

(No. of classes required- 17)

**Practical exercise**

- Definition and types of portfolio,
- Contents of fashion design portfolio- Theme/Inspiration /Mood board
- Process of developing garment on different themes from various sources (magazines, books, films, nature, surroundings, handicrafts, paintings, etc.)

**Module 2: Preparation of a Portfolio**

(No. of classes required- 17)

**Practical exercise**

- Cover page, Introduction, Contents page
- Title page- for primary work like illustration, embroidery and designs etc.
- Title page-Men's, Women's and Kid's Collection & Brief Summary-
- Mood board (To include inspiration, look direction and color palette)
- Ideation
- Illustrations

**Module 3: Organize workshop**

(No. of classes required- 18)

- Organize workshop on developed garments throughout the semester.

- Report writing.

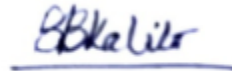
**Course Outcome:**

**C.O.1:** This paper will enable the students to learn different presentation skills.

**References:**

- Fashion from concept to consumer by Dickerson Pearson.

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SEMESTER VIII**

<b>Paper Code</b>	<b>Paper Title</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>CH</b>	<b>CR</b>
<b>FYIFTR 8801</b>	<b>Dissertation (Collection of Data, Analysis and Preparation of Report)</b>	<b>0</b>	<b>2</b>	<b>6</b>	<b>14</b>	<b>8</b>

**Minimum number of classes per week: 6**

**Minimum number of classes in a semester: 90**

**Objectives:**

- To blend useful practices with modern research in Fashion, and carryout research work and enhance problem solving skills and research knowledge

**Course outline-**

- A dissertation/thesis shall form partial requirement for fulfillment of the total requirements of the total credit to become the eligible for a Bachelor degree.
- Research work shall have to be undertaken by students as per the University guidelines.

**Signature**



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**SEMESTER IX**

<b>Paper Title</b>	<b>Paper Code</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>CH</b>	<b>CR</b>
<b>FYIFTC 9401</b>	<b>Advanced pattern making</b>	<b>0</b>	<b>2</b>	<b>2</b>	<b>6</b>	<b>4</b>

**Minimum number of classes per week: 4**

**Minimum number of classes in a semester: 60**

**OBJECTIVE-**

- To impart in-depth knowledge of style reading pattern making and garment construction techniques
- Enable students to make advance pattern and obtain perfect fit and harmony between the knitted fabric and design of the garment.

**Module 1:**

**(No. Of classes required- 5)**

Theory

**Introduction-**

-Advanced techniques of pattern making incorporating style lines & fullness.

**Module 2:**

**(No. Of classes required- 10)**

-Principles of contouring, surplice/off shoulder and halter designs; built-in necklines, cowls and collars.

**Module 3:**

**(No. Of classes required- 15)**

-Skirts, advanced sleeve variations, exaggerated armholes, pockets, bias cut dresses.

**Module 4:**

**(No. Of classes required- 22)**

-Jackets, types of pants; pattern adoption to knits. Practical Procedures used in the development of slopes and patterns ;Developing dart less slopes; Princess line variations ; Blouses; Halters and surplice; Vests and their types; Collars; Sleeves- kimono and raglan variations; Skirts; Pants- pant length variations, bell bottom pants, body fitting pants, and other types; application of pattern making techniques

**Practical:**

Advanced techniques of pattern making - incorporating style lines & fullness

Principles of contouring, surplice/off shoulder and halter designs; built-in necklines, cowls and collars

Skirts, advanced sleeve variations, exaggerated armholes, pockets, bias cut dresses.

Jackets, types of pants; pattern adoption to knits. Practical Procedures used in the development of slopes and patterns ;Developing dart less slopes; Princess line variations ; Blouses; Halters and surplice; Vests and their types; Collars; Sleeves- kimono and raglan variations; Skirts; Pants- pant length variations, bell bottom pants, body fitting pants, and other types, application of pattern making techniques

- ❖ Visits to industry, Visit to boutiques/garment construction unit.

**COURSE OUTCOME:**

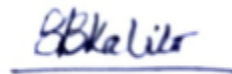
C.O.1 To understand the method of pattern development for different genders in various sizes.

C.O.2 To impart knowledge about the technique of sewing and their importance.

**References:**

- Pattern Making for Fashion Design by Hellen Joseph Armstrong.
- Bane A .1996.Creative Clothing Construction. MC Graw-Hill
- Connie Amaden-Crawford 1989. The Art of Fashion Draping.Fair Child Publ.
- Janine Mee•& Michal Purdy 1987.Modelling on the Dress Stand.
- BSP Professional Books. Natalie Bray 1994. Dress Fitting. Blackwell.

**Signature**

A handwritten signature in blue ink, appearing to read 'B. Kalita', is written above a horizontal blue line.

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**SEMESTER IX**

<b>Paper Title</b>	<b>Paper Code</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>CH</b>	<b>CR</b>
<b>FYIFTC9402</b>	<b>APPAREL MANUFACTURING TECHNOLOGY</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>6</b>	<b>4</b>

**Minimum number of classes per week: 4**

**Minimum number of classes in a semester: 60**

**OBJECTIVES:**

- To understand and co-relate design and manufacturing processes in garment industry.
- To create professionals with technical skill and knowledge to work in garment industry as Production Executives, Quality Controllers, Coordinators or Assistant Merchandisers

**Module 1:**

(No. of classes required- 10)

**Theory**

- Knowledge about spreading and material handling
- Production systems and planning in the sewing room
- Understanding of work study and production aspects of sewing
- Seam and stitches-Introduction to industrial sewing machines
- Importance of work aids and machine attachments

**Practical:**

- Practice discipline, hygiene, safety and effective communication
- Detailed garment analysis
- Familiarization with day to day production activities
- Mock production by assembly line system

**Module 2:**

(No. of classes required- 16)

- Textile manufacturing process, fabric appreciation and sourcing
- Importance of quality and quality control
- Measurement and quality principles
- Fabric quality requirement and inspection
- Concept of AQL and other garment inspection systems
- Knowledge about infusing quality at all levels

**Practical:**

- Line balancing activities and measure of productivity
- Developing standard operating procedures
- Calculation of standard allowed minutes
- Practice of seams, samples and garment components

- Practice of various exercises on Industrial sewing machine using different work aids and machine attachments

**Module 3:**

(No. of classes required- 26)

- Introduction to pattern making tools and equipment- Knowledge of drafting of Basic bodice block, sleeve, shirt, pockets etc.
- Understanding the concepts of merchandising
- Role and responsibilities of merchandiser
- Introduction to garment costing
- Export documentation-Inco and payment terms

**Practical:**

- Construction of complete garment
- men's shirt, dress, trouser and T-shirt - Handling different types of fabrics
- Identification of common fabrics and flagging
- Identification of defects in fabrics & accessories
- Identification of sewing and pattern defects, finishing and packing defects .
- Measurement checking as per spec sheets
- Mock garment sampling, production and inspection
- Familiarization with various quality documents and reports
- Testing of fabric for colour fastness, light fastness, dimensional changes etc
- Development of commercial patterns from spec sheets/ tech packs
- Preparation of time and action plan
- Merchandising calendar
- Preparation of cost sheet

**NOTE:**

- Visit to a garment manufacturing unit for 10-15 days
- Submission of detailed report

**COURSE OUTCOMES:**

**C.O.1** Students will be familiarized with special technology of apparel manufacturing.

**C.O.2** Develop skill in them for the development of garment manufacturing technology.

**References:**

- Ander son B. and Anderson “costume design”, Harcourt Brace 2nd Ed.,1999
- Laver J., costume and Fashion” Thames & Hudson 1995
- Encyclopedia of Fashion accessories by Phyllis Tortora Fairchild
- Fashion design process-innovation by Kathryn Mckelvey Blackwell & practice.

- Ireland, Patrick John, “Fashion Design Drawing and Presentation”, B.T. Batsford, London,1996.
- Allen and Seaman, “Fashion Drawing – The Basic Principles”, B.T. Batsford, London.
- Managing quality in the apparel industry,Pradip Mahta, Satish K. Bharadwaj
- Quality Assurance for textiles and apparel .Sara J. kadolph.

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**SEMESTER IX**

<b>Paper Title</b>	<b>Paper Code</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>CH</b>	<b>CR</b>
<b>FYIFTC9401</b>	<b>Apparel Industry Management</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>6</b>	<b>4</b>

**Minimum number of classes per week: 4**

**Minimum number of classes in a semester: 60**

**COURSE OBJECTIVE:**

- To introduce the students to various trends in management of garment industry and understand various export and import policies.

**MODULE 1**

(No. of classes required- 10)

**Theory**

- Complexity of management in garment industries- Objective and expectations;
- Status of garment industry in India-production, marketing, distribution, consumption and export trends over last five years.

**Module 2**

(No. of classes required- 12)

**Theory**

- Personnel management in domestic and export apparel industry
- Techniques in managerial application of cost-volume-profit analysis; productivity analysis
- Technology up gradation of apparel units - CAD & CAM; productivity rate.

**Module 3**

(No. of classes required- 10)

**Theory**

- Government policies in export and imports
- Effect of trade globalization;
- Problems of apparel industry and remedial measures.

**Module 4**

(No. of classes required- 07)

**Theory**

- Trends in management,
- Infrastructure facilities and incentives offered for starting a garment industry.

**Practical exercise**

(No. of classes required- 13)

- Practical Visit & survey in domestic and export garment industries that produce shirts, trousers & women's garments;
- Compilation of data as per the labour & machinery output;
- Drawing floor plans of the industries; Analysis of garment industries in terms of inputs and outputs;
- Determination of productivity of the industry & comparison;

**COURSE OUTCOMES:**

**C.O.1** After studying this course the students will understand marketing in domestic and international markets and their quota systems.

**C.O.2** This course focuses attention on apparel industry giving thorough knowledge of merchandizing.

**References:**

- Gerry Cooklin. 1991. Introduction to Clothing Manufacture. Blackwell.
- Gerry Cooklin. 1997. Garment Technology for Fashion Designer's. Blackwell.
- Jacob Solinger 1980. Apparel Manufacture. Van NostrandReilfold.
- Pradeep V Mehta 1998. Managing Quality in Apparel Industry. New Age International.
- Ruth Glock 1990. Apparel Manufacturing. Macmillan.

**Signature**



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**ASSAM WOMEN'S UNIVERSITY**  
**SEMESTER IV**

<b>Paper Title</b>	<b>Entrepreneurship</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>CH</b>	<b>CR</b>
<b>Paper Code</b>	<b>FYIFTD 9402</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>5</b>	<b>4</b>

**Minimum number of classes per week: 4**

**Minimum number of classes in a semester: 52**

**COURSE OBJECTIVES:**

- To explore the possibilities of becoming entrepreneurs.
- To enable the students aware about the inside of the garment Industry, its departments and personnel, jobs undertaken, references, Observations, Precautions, etc.

**Module 1: Entrepreneurship** (No. of classes required-07)

**Entrepreneurship**

**Theory**

- Meaning, Importance, Evolution of term Entrepreneurship.
- Types of entrepreneur
- Factors influencing entrepreneurship - Psychological factors, Social factors, Economic factor and environmental factors.
- Characteristics of an entrepreneur.
- Growth of entrepreneurship- role of entrepreneurship in economic development

**Assignment for students-**

- Case study and report about any local successful entrepreneurs, their entrepreneurial startup and prepare the hurdles faced by them in establishing their business.

**Module 2: Institutional Support to Entrepreneurs** (No. of classes required-07)

**Theory**

- Institutional support to entrepreneurs - Need for support - National small Industries Corporations (NSIC), NIESUBD, NEBARD, PMEGP, SIDO, SSIDC, SISI, State

Finance Corporations (SFC), District Industrial Centers (DICs), Small Industries Development Bank of India (SIDO), National Small Industries Corporation(NSIC)

- Financial assistance -state and central government banks-Financial incentives and subsidies.

### **Module 3: Women Entrepreneurs**

(No. of classes required- 10)

#### **Theory**

- Concept of Entrepreneur
- Categories of Women Entrepreneurs
- Women in organized and unorganized sector, Women in traditional and modern industries, Women in urban and rural areas - Supportive Measures for Women's Economic Activities and Entrepreneurship
- Technological training and awards, Federations and associations.
- Problems of Women Entrepreneurs in India and Ways to Develop Women Entrepreneurs.
- Measures to Improve Women Entrepreneurship- Trade Related Entrepreneurship Assistance and Development (TREAD) scheme for women, MahilaVikasNidhi, Cooperative schemes, Government Yojanas like Oriental Mahila Vikas Yojana (OMVY), Udyogini Scheme (US), Sukanya Samriddhi Yojana (SSY), Mahila Udyam Nidhi Scheme (MUNS).
- Training programs – Support for training and employment programme of Women (STEP), Women Entrepreneurship Platform (WEP), Training Programme on Skill Development of Women for Employability and Entrepreneurship (SDWEE).

#### **Assignment for students-**

- Study about role of government in encouraging women Entrepreneurship in local region.

#### **Industry Internship**

**Duration:** 4 weeks

#### **Knowledge domain:**

- To conduct in depth study of a chosen industry.
- To know the basics of visual and written presentation techniques of the documentation.
- To know in details about the selected industries.

**Contents:**

- Interpretation of industry project brief
- Report writing -The report should have detailed information about the industry, the type of industry(public sector/ private/ partnership), the names of directors, the departments of the industry, its personnel, the jobs being undertaken at the industry, the products being manufactured, the marketing of the products, the raw material being used, the clients, etc.
- The report should also include the work done by the student during his/ her training, specifying what all new was learned during this period.
- The report should be accompanied by the training certificate from the industry.
- It should be duly signed by the student.

**COURSE OUTCOMES:-**

**CO1:-** The students will acquire necessary knowledge and skills required for organizing and carrying out entrepreneurial activities,

**CO2:-** Develop the ability of analyzing and understanding business situations.

**References:**

- Entrepreneurship by Madhurima Lall, 2008.
- Entrepreneurship development by Vasant Desai, Himalaya Publishing House, 2015.
- Harvard Business Review Entrepreneur's Handbook: Everything you Need to Launch and Grow your New Business by Harvard Business Review, 10 April 2018.
- Hand book of entrepreneurship development, Prepared and Published by: Dhaka Chamber of Commerce and Industry (DCCI) 65-66 Motijheel C/A, Dhaka-1000, Bangladesh, Editor: Md. Sabur Khan, President, DCCI, November 06, 2013.
- Kaulgud: Entrepreneurship Management, Vikas Publishing House.
- Khanaka, S.S., Entrepreneurial Development, S. Chand and Company Ltd., New Delhi,(2006).
- P. Charantimath: Entrepreneurship Development: Small Business Enterprises, By Poornima M. Charantimath, 2006.
- Philip Kotler and Kevin Lane, Marketing Management, Keller, Pearson Education Inc., Delhi, 2006.
- Retail Management by Gibson.GVedamani, 15<sup>th</sup> September 2003.

- S.S Kanka, Entrepreneurial Development, Revised edition, Sultan Chand Publications, New Delhi, 2012.
- Sanjay Tiwari and Anshuja Tiwari, Entrepreneurship Development in India. Sarup & Sons, New Delhi, 2007.
- The Social Psychology of Entrepreneurial Behavior by Kelly G. Shaver, 1st January 2010.
- The Wiley Handbook of Entrepreneurship by Wiley-Blackwell, September 2017.

**Signature**

A handwritten signature in blue ink, appearing to read 'B. Kalita', is written above a horizontal blue line.

**BOS External Expert  
Dr. Binita Baishya Kalita**

**ASSAM WOMEN'S UNIVERSITY**  
**SEMESTER IX**

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<b>Paper Title</b>	<b>Paper Code</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>CH</b>	<b>CR</b>
<b>FYIFTD 9403</b>	<b>Design Collection and costume preparation</b>	<b>0</b>	<b>2</b>	<b>2</b>	<b>6</b>	<b>4</b>

**Minimum number of classes per week: 4**

**Minimum number of classes in a semester: 60**

**COURSE OBJECTIVES-**

- Aim to develop creative skills in costume styling of innovative garment designs.
- To make students confident enough for organizing fashion show/exhibition/display.

**Module 1:** Introduction to costume designing (No. of classes required- 07)

**Practical exercise**

- Definition and types of costumes
- Role of Theme/Inspiration /Mood board
- Process of developing costume collections on different themes from various sources (magazines, books, films, nature, surroundings, handicrafts, paintings, etc.)

**Module 2:** Preparation of a range of costumes (No. of classes required- 14)

**Practical exercise**

Men's, Women's and Kid's Collection & Brief Summery-

- Mood board (To include inspiration, look direction and color palette)
- Ideation
- Illustration
- Market survey

**Module 3:** Design Collection (No. of classes required- 07)

**Practical exercise**

- Project proposal- Submit 10 ideas based on the concept.
- To justify the theme of the dress, in respect of color, silhouette, surface texture, surface ornamentation, accessories accompanying the dress.

**Module 4: Design Development**

(No. of classes required- 12)

**Practical exercise**

- Survey
- Finalization of theme
- Sourcing
- Finalization of designs
- Measurements and specification sheets
- Pattern Development:
- Development of basic block
- Pattern making and layout
- Product Development:

**Module 5: presentation of the collection**

(No. of classes required-

12)

**Practical exercise**

- Completion / Execution of Entire Product Range
- Photo Shoot of the developed collection

**Note:** At the end of the semester the students should submit their developed garment collections seal packed and with prize tag.

**Assignment:** Documentation of designer portfolio to be submitted the course instructor.

**COURSE OUTCOMES -**

**C.O.1** Students will self-reliant in different presentation skills.

**References:**

- Fashion from concept to consumer by Dickerson Pearson, 27 September 2007.
- Design your portfolio by Steven Faerm, Bloomsburry Publications, 2014
- Portfolio presentation for Fashion Designers by Linda Tain, Fairchild Publications, 2018.
- Fashion Kaleidoscope by Meher Castelino Rupa and company
- Indian Fashion by Hindol Sengupta, 2005.



- Chanel The Complete Collections by Patrick Mauriès, 2020.
- Fashion Design Project Planner, Lance Derric, 2020.

**Signature**



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**SEMESTER-X**

<b>Paper Title</b>	<b>Paper Code</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>CH</b>	<b>CR</b>
<b>FYIFTC10403</b>	<b>Functional Clothing/ Apparel Product Development</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>6</b>	<b>4</b>

**Minimum number of classes per week: 4**

**Minimum number of classes in a semester: 52**

**COURSE OBJECTIVE:-**

- To enable the students to recognize the importance of portable clothing in textile/ Apparel industry.
- To develop skills for designing functional clothing for farm, industrial workers and fire fighters etc.

**Course Outline-**

**Module 1: Introduction**

(No. Of classes required-5)

- Meaning, concept, scope of functional clothing/ Apparel.
- Clothing as a portable environment; Comfort in Clothing - principles of heat transfer in apparels, thermal insulation, breathable textiles, clothing systems for thermal protection.

**Module 2: An Overview of Protective Clothing**

(No. Of classes required-5)

- Designing comfortable apparel suitable for warm and cool weather; Impact of protective clothes;
- Providing mobility in clothing- Sports clothing – Requirements, importance and designing; fastening systems in clothing. Clothing for special groups.

**Module 3: Experimental Clothing design**

(No. Of classes required-22)

- Military, expecting and lactating mothers, clothing design and construction to accommodate physical disabilities & irregularities.
- Protective clothing construction of- farm, industrial workers, fire fighters.
- Designing and construction of locale specific sports clothes.

**Module 4: Survey and visits**

(No. Of classes required-20)

**Practical-**

- Survey on selected functional clothing available in the market;
- Visit to Clothing units.

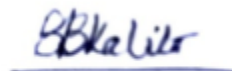
**COURSE OUTCOME:-**

**CO1:-** Students will be able to identify, define and solve design problems in wearable functional apparel for a variety conditions using an engineering-type design process.

**References:**

- A Overview of Protective Clothing - Markets, Materials, Needs, Smith W C Cookling G. 1997.
- Garment Technology for Fashion Designers. Blackwell Science. Kilgus R. (Ed.) 1999.
- Clothing Technology. Europa Lehrmittel, Textile Institute,
- Manchester Tate M & Glisson O. 1967. Family Clothing. John Wiley & Sons.
- Functional Textiles and Clothing by Abhijit Majumdar (Editor), Deepti Gupta (Editor), Sanjay Gupta (Editor) 2020, published by Springer Verlag, Singapore; 1st ed. 2021 edition.

**Signature**



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**ASSAM WOMEN'S UNIVERSITY**  
**SEMESTER X**

<b>Paper Code</b>	<b>Paper Title</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>CH</b>	<b>CR</b>
<b>FYIFTC10404</b>	<b>Garment Production Management</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>6</b>	<b>4</b>

**Minimum number of classes per week: 4**

**Minimum number of classes in a semester: 52**

**Objectives:**

- To enable students understand management in garment industry.
- To explain the students about the textile industry, its production system and its problems and prospects.
- To understand the importance of quality management and understand the role of a merchandiser in the Textile industry.

**Module 1:**

**(No. Of classes required- 13)**

**Introduction-**

- Meaning of Management, Characteristics, Concept of management
- Definition of MBO. Steps in MBO, Benefits of MBO
- Principles of Management
- Planning Types and Strategies
- Functions of management

**Module 2:**

**(No. Of classes required- 13)**

**Production Management System-**

- Production Section
- Production System and Production Planning, Plant Layout.
- Different types of Industrial sewing machine and modern accessories in sewing machines.
- Finishing, Pressing, Trimming and Packing.

**Module 3:**

**(No. Of classes required- 13)**

**Garment Production system-**

- Industrial Engineering concepts in improving apparel productivity in brief.
- Work study and standard time control.
- Balancing.

**Module 3:**

**(No. Of classes required- 13)**

**Quality Control and Implementation-**

- Introduction to quality control-Definition of quality
- Quality Control in Production – Importance, tools for quality assurance.
- Quality control from designing to end product.

- Key problems in textile industry.
- Industrial visit

**COURSE OUTCOMES:**

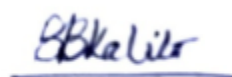
C.O.1 This course will make the students learn about various trends in management of garment industry and understand various export and import policies.

C.O.2 It will also improve knowledge about various product standards and product specifications and the process of product development towards market need.

**References:**

- Introduction to clothing prod. Mgmt. by A J Chuter Blackwell series.
- Garment technology for Fashion designers by Gerry Cooklin Blackwell.
- Fashion from concept to consumer- G.S.Frings.
- Quality Control in apparel Industry- P.V.Mehta

**Signature**



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**SEMESTER IV**

<b>Paper Code</b>	<b>Paper Title</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>CH</b>	<b>CR</b>
<b>FYIFTD 10404</b>	<b>Fashion industry, marketing &amp; management</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>6</b>	<b>4</b>

**Minimum number of classes per week: 4**

**Minimum number of classes: 60**

**COURSE OBJECTIVES:**

- To introduce students to aspects of fashion and textile marketing and merchandising
- To impart knowledge about various product standards and product specifications
- The process of product development towards market needs.

**Course Outline –**

**Module 1: Fashion Industry** (No. of classes required-  
12)

**Theory**

- Introduction to Fashion Industry
- Indian and Global Fashion Market levels of fashion industry- couture, ready to wear, mass production.
- Organizational set-up of fashion industry
- The different departments, personnel and their jobs career in fashion industry

**Module 2: Marketing** (No. of classes required-  
16)

**Theory**

- Introduction to Marketing

- Nature and Scope of Marketing
- The Marketing Concept
- Market Segmentation
- Targeting and Positioning
- Strategic Marketing
- Fashion market and marketing environment
- Fashion marketing planning
- Market research
- User's buying behaviour
- Marketing communication.

**Module 3: Management**

(No. of classes required-

6)

**Theory**

- Concepts, Principles & Characteristics.
- Advertising
- Sales promotion techniques

**Module 4: Presentation**

(No. of classes required-

18)

**Practical**

- Project.
- Exhibitions & sales, fashion shows (concept and presentation skills, publicity campaigns.)

**COURSE OUTCOMES:-**

**CO1:-** The student will be able to analyse the market value, consumer behaviour, consumer protection measures and retailing in fashion industry and create products accordingly.

**References:**

- Fashion Marketing and Merchandising: Sodhia Manmeet, Chatley, Kalyani Publishers, January 2003.
- Fashion Marketing Communications by Gaynor Lea-Greenwood, January 2014.

- Fashion Marketing by Mike Easey, 10 October 2008
- Fashion Buying by Helen Goworek, 14 May 2007
- Fashion Marketing Management By V. Ramesh Babu and A. Arunraj, 30 Jan 2019.
- Handbook of Research on Global Fashion Management and Merchandising by Alessandra Vecchi (London College of Fashion, U.K.) and Chitra Buckley (London College of Fashion, U.K), May, 2016.
- Visual Merchandising by Tony Morgan 2016.

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**ASSAM WOMEN'S UNIVERSITY**  
**SEMESTER X**

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<b>Paper Code:</b>	<b>Paper Title:</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>CH</b>	<b>CR</b>
<b>FYIFTD 10405</b>	<b>Design Collection &amp; Fashion Show/Exhibition</b>	<b>0</b>	<b>2</b>	<b>2</b>	<b>6</b>	<b>4</b>

**Minimum number of classes per week: 4**

**Minimum number of classes in a semester: 52**

**Course Objectives:**

- The subject aims at developing creative skills in illustrating styles and format and preparation of a Portfolio of innovative garment designs. Along these they are also provided with the experience of participating in a fashion show.

**Course Outline:**

**Module 1: Design collection**

- Organize fashion Show /Exhibition/Display.

**Module 2: Organize workshop**

- Organize workshop on developed garments throughout the semester.
- Report writing.


**Course Outcome:**

**C.O.1:** This paper will enable the students to learn different presentation skills. At the end of this course they will gain hands on experience of participating in a fashion show as a designer which will help improving their portfolio.

**References:**

- Fashion from concept to consumer by Dickerson Pearson.

**Signature**

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