BSc (Hons) Fashion Technology – E302 (Under Review)

1. Introduction

Fashion is an area constantly on the move, change being the day-to-day norm. The pressures for constant change are numerous: technology, culture, new ideas, new materials, greater disposable incomes in as much as the concept of "fast fashion" now drives the fashion business. Along the same line, the concept of 'seasons' associated with fashion is now getting increasingly blurred as consumers overlook established paradigms and change their lifestyles rapidly while putting a premium on brand, style and comfort.
Fashion graduates should, therefore, develop the skills, knowledge and competencies to adapt to this industry where competition is neither national nor international, but global. Research, in the form of mini-projects and related works, will be a fundamental component of the programme.

2. Aim

The aim of this programme is to produce graduates with a sound understanding of generic fashion, fashion cycles, fashion trends and the technologies associated with the business of fashion.

3. Objectives

a) To train fashion graduates that may help the emergence of a dynamic and vibrant 'Mauritian' approach to fashion;
b) To develop the culture and essence of fashion thinking;
c) To grow creatively and transpose creative ideas into products;
d) To revive interest in Mauritian crafts through guided assignments;
e) To develop student's ability to research effectively by identifying, assimilating, interpreting and applying technical, market and business information through sound and innovative research methods.

4. General Entry Requirements

As per General Entry Requirements for admission to the University for Undergraduate Degrees.

5. Programme Requirements

Five credits at SC/ 'O' Level.
2 GCE 'A' Level Passes Or Foundation Programme in Design, NQF Level 5.

6. Minimum Credits Required for the Award

MODULES	Minimum Credits Required	
	Degree	**Diploma** *(Any Level)*
Humanities & Management	15	9
Foundation	12	12
Technology & Engineering	9	9
Departmental	65	35
TOTAL	**101**	**65**

Note:

- Degree students should pass in all core modules.
- Industrial training must be completed satisfactorily for the award of the degree.
- Project is not mandatory for award of Diploma.

7. Programme Duration

	Normal (Years)	Maximum (Years)
BSc (Hons) Degree:	3	5
Diploma:	2	3

8. Credits per Year

Maximum 48 credits, Minimum 18 credits (subject to regulation 6).

9. Assessment

Examinable Modules

A given module can either be taught in semester 1 only or in semester 2 only or throughout the two semesters.

Assessment will be based on a written examination of 2 to 3-hour duration (normally a paper of 2-hour duration for modules carrying less or equal to 3.5 credits and a 3-hour paper for modules carrying five or more credits) and on continuous assessment carried out during the semester or year.

Written examinations for all modules, whether taught in semester 1 or in semester 2 or both, will be carried out at the end of the academic year (unless otherwise stated).

The continuous assessment will count for 10-40% of the overall percentage mark of the module(s), except for a Programme where the structure makes for other specific provision(s). Continuous assessment may be based on laboratory work, seminars and/or assignments and should include at least one class test.

There will be a compulsory class test for all modules taught in semester 1 at the end of semester 1 of the given academic year unless stated otherwise in the Programme Structure.

A minimum of at least 30% should be attained in each of continuous assessment and written examination, with an overall total of 40% for a candidate to pass a module. For modules being assessed jointly, a minimum of at least 30% should be attained in each of continuous assessment and written examination, with an overall total of 40% for a candidate to pass the two modules. Note that the marks for the two modules will be considered together and not the individual marks for each of the two modules.

Non-Examinable Modules

The following modules will be assessed solely on continuous assessment:
TXT 1037Y; TXT 2067Y; FTXT 2021Y; FTXT 2224

There will be a minimum of 6 class assignments and 2 mini-projects per module, which will account for 60% of total marks. A final assessment based on 40% of total marks will be conducted at the end of the semester by the Lecturer concerned under examination conditions.

Special examinations (e.g. class tests) will be arranged at the end of semester 1 or semester 2 for exchange students who have registered only for one semester. In case of yearly modules, credits will be assigned on a pro-rata basis.

10. GEMs

Students are allowed to choose any elective module contained in GEMs list available at the Faculty's Office. However, the offer of the electives would be subject to the availability of resources and existence of a critical mass of demand for the modules. Students are requested to contact their Programme Coordinator before entering any module under the GEMs in their module registration form.

11. List of Modules

CORE MODULES

Code	Module Name	Hrs/Wk L+P	Credits
Foundation			
TXT 1037Y(3)	Art & Design	1+4	6
FTXT 1011Y(1)	Fibrous Materials & Yarns	3+0	6
			12
Humanities and Management			
COMS 1010(1)	Communication Skills	D.E.	3
MGT 1111(1)	Organisation & Management	D.E.	3
FTXT 3131(5)	Leadership and Entrepreneurship	3+0	3
			9
Technology & Engineering			
CSE 1010e(1)	Introduction to Information Technology	O.E.	3
TXT 2067Y(3)	Computer Graphics	1+4	6
			9
Departmental			
FTXT 1012Y(1)	Fabric Manufacture	3+2	8
FTXT 1013Y(3)	Garment Technology	2+4	8
FTXT 2021Y(3)	Draping and Grading	0+4	4
FTXT 2022Y(3)	Clothing Design & Management	2+2	6
FTXT 2023Y(3)	Colouration for Fashion	3+2	8
FTXT 2224 (3)	CAD/CAM	0+6	3
FTXT 3032Y(3)	Fashion Merchandising	3+0	6
FTXT 3033Y(5)	Textile Testing & Quality Assurance	3+1	7
FTXT 3234(3)	Fashion Intelligence	3+0	3
FTXT 3000(5)	Project	-	9
FTXT 1200	Industrial Training 1	8 weeks	0
FTXT 2200	Industrial Training 2	8 weeks	0
			62

ELECTIVE MODULES

Departmental

TXT 2017Y(3)	Historical and Contemporary Textiles & Fashion	4+0	8
FTXT 2125(3)	Accessories Sourcing	3+0	3
FTXT 3235(3)	Product Branding & Brand Management	3+0	3
			14

Humanities & Management

MGT 1026Y(1)	Principles & Practice of Management	3+0	6
MGT 2078Y(3)	Industrial Marketing & Supply Chain Management	3+0	6
MECH 3004Y(5)	Business and Manufacturing Strategy	2+0	4
ACF 1000(1)	Accounting for Financial Decision Making	D.E.	3
MGT 1200(1)	Introduction to Marketing	D.E.	3
MGT 1201(1)	Organisational Behaviour	D.E.	3
			25

12. Programme Plan - BSc (Hons) Fashion Technology

YEAR 1

Semester 1				Semester 2			
Code	**Module Name**	**Hrs/Wk L+P**	**Credits**	**Code**	**Module Name**	**Hrs/Wk L+P**	**Credits**
			SEMESTER CORE MODULES				
CSE 1010e(1)	Introduction to Information Technology	D.E.	3	TXT 1200	Industrial Training 1	8 wks	0
COMS 1010(1)	Communication Skills	D.E.	3				
			YEARLY CORE MODULES				
TXT 1037Y(3)	Art & Design					1+4	6
FTXT 1011Y(1)	Fibrous Materials & Yarns					3+0	6
FTXT 1012Y(1)	Fabric Manufacture					3+2	8
FTXT 1013Y(3)	Garment Technology					2+4	8
			SEMESTER ELECTIVE MODULES				
ACF 1000(1)	Accounting for Financial Decision Making	D.E.	3	MGT 1200(1)	Introduction to Marketing	D.E.	3
MGT 1111(1)	Organisation & Management	D.E.	3	MGT 1201(1)	Organisational Behaviour	D.E.	3

YEAR 2

Semester 1				Semester 2			
Code	**Module Name**	**Hrs/Wk L+P**	**Credits**	**Code**	**Module Name**	**Hrs/Wk L+P**	**Credits**
			SEMESTER CORE MODULES				
				FTXT 2224 (3)	CAD/CAM	1+4	3
				TXT 2200	Industrial Training 2	8 wks	0
			YEARLY CORE MODULES				
TXT 2067Y(3)	Computer Graphics					1+4	6
FTXT 2021Y(3)	Draping and Grading					0+4	4
FTXT 2022Y(3)	Clothing Design & Management					2+2	6
FTXT 2023Y(3)	Colouration for Fashion					3+2	8
MGT 1026Y(1)	Principles & Practice of Management					3+0	6
			SEMESTER ELECTIVE MODULES				
TXT 2017Y(3)	Historical and Contemporary Textiles & Fashion					4+ 0	8
FTXT 2125(3)	Accessories Sourcing	3+0	3				

YEAR 3

Semester 1 Code	Module Name	Hrs/Wk L+P	Credits	Semester 2 Code	Module Name	Hrs/Wk L+P	Credits
			SEMESTER CORE MODULES				
FTXT 3131(5)	Leadership and Entrepreneurship	3+0	3	FTXT 3234(3)	Fashion Intelligence	3+0	3
			YEARLY CORE MODULES				
TXT 3000Y(5)	Project					-	9
FTXT 3032Y(3)	Fashion Merchandising					3+0	6
FTXT 3033Y(5)	Textile Testing & Quality Assurance					3+1	7
			SEMESTER ELECTIVE MODULES				
				FTXT 3235(3)	Product Branding & Brand Management	3+0	3
			YEARLY ELECTIVE MODULE				
MGT 2078Y(3)	Industrial Marketing & Supply Chain Management					3+0	6
MECH 3004Y(5)	Business and Manufacturing Strategy					2+0	4

13. Outline Syllabus

COMS 1010(1) - COMMUNICATION SKILLS
Writing skills, non-verbal communication, modes of speech delivery and presentation aids, speeches, perception and listening skills, business and technical writing.

CSE 1010e(1) - INTRODUCTION TO INFORMATION TECHNOLOGY
IT and Computers; Stepping in the Computer; Input and Output Devices; Secondary Storage; Programming; Systems Software; Applications Software; Systems Development; Computer Networks; The internet; Computer Security; Software Utilities; Issues and Trends in IT.

TXT 1037Y(3) - ART AND DESIGN
Study of different techniques. Articulate the language of Drawing - Line, tone, colour, texture and mixed media. Exploring of art materials such as pencils, paints, brush, charcoal, black ink, pastel, chalk, etc. Creating motifs from objects.
Elements and principles of design. Each Principle with respect to other elements and each principle with respect to other principles. Definition and Explanation of regularly used terms viz. Style, design, classic, fad, high fashion garments, mass fashion, fashion trends, etc. Creating inspiration, mood boards and garment design development.

FTXT 1011Y(1) - FIBROUS MATERIALS & YARNS
Fibrous materials: nature, origins, production, structure, properties and end-uses. Identification of fibres. Basic spinning processes. Principles of ring and open-end spinning. Yarn properties. Blend and fancy yarns. Preparatory processes for wool. Wool blending.

FTXT 1012Y(1) - FABRIC MANUFACTURE
Fundamentals of the conversion of yarns into knitted fabrics. Basic knitting actions. Knitting elements and cams. Knitted fabric structure. Relationships between fabric design and construction with properties and performance of end product. Yarn Preparation for weaving. Basic mechanisms of shuttle looms. Basic fabric structures and geometry. Fabric quality.

FTXT 1013Y(3) - GARMENT TECHNOLOGY
Pattern construction. Fabric usage. Seams and stitches. Sewing machinery. Garment assembly. Stitching and finishing of garments using various techniques. Pressing and fusing technology.

ACF 1000(1) - ACCOUNTING FOR FINANCIAL DECISION MAKING
The Role of Accounting Information; Recording and Summarising Transactions; Accounting Concepts & Preparing Final Accounts; Adjustments to Final Accounts; Capital v/s Revenue Expenditure; Bank Reconciliation Statement; Accounting Ratios; Accounting for Internal Decision

Making Techniques; Elements of Cost; Costing Methods & Techniques; Decision Making Techniques; Accounting for Manufacturers; Budgets.

MGT 1111(1) - ORGANISATION AND MANAGEMENT
Introduction to Management. The evolution of Management. Managerial roles and functions. Planning. Decision-making. Organising. Motivation, Leadership, Controlling.

MGT 1200(1) - INTRODUCTION TO MARKETING
Understanding marketing, The Marketing Environment, Information Systems & Marketing Research, Customer Buying Behaviour, Segmentation, Target Marketing & Positioning, The Marketing Mix: Product, Price, Place, Promotion). Strategic Planning.

MGT 1201(1) - ORGANISATIONAL BEHAVIOUR
Overview of organisational behaviour. Managerial work, skills and functions. The individual in organisations: ability, skills, perception and attitudes. The individual: personality, job satisfaction. Learning and behaviour modification. Motivation: theories and practice. Leadership. Organisational structure and culture. Work groups and work teams. Work design: Re-engineering, productivity, TQM. Communication, power and politics. Social responsibility and ethics in OB.

MGT 1026Y(1) - PRINCIPLES AND PRACTICE OF MANAGEMENT
Part 1: The study of organizations; The environment of Organizations; Evolution of Management theory; Management concepts; Functional Areas of Management: Production, Finance, HR and Marketing, The Managerial functions of Planning, Leading , Organising, Controlling; Managerial Skills. Part 2: Managing individuals in organisations: Managing differences; Motivation, Managing Groups and Teams: Group behaviour; Conflict and co-operation; Power and Politics; Leadership; Social Responsibility. Part 3: Managing Structure and processes: Organisational structure; Job design; Restructuring, Communications, Careers, Change; Diversity; Knowledge Management. Part 4: Evolution of Marketing, Marketing Mix, 4 Ps of marketing.

TXT 1200 - INDUSTRIAL TRAINING I
Students undertake two months industrial training for gaining a work-based experience in textiles and fashion technology **or** conduct an industry-based project to integrate theoretical and practical aspects.

TXT 2067Y(3) - COMPUTER GRAPHICS
An understanding of systems and dimensions variable. In-depth approach to drawing, creation, editing and presentation. More specific technology and software to aid design research, communication and general marketing of design work including 2D presentation and Web Design. Use of CAD and IT within textile and fashion design, manufacture and promotion.

FTXT 2021Y(3) - DRAPING AND GRADING
Basic draping methods of developing production patterns for the garment industry. Draping techniques that present free expression of ideas in fabrics. Draping of various collars, sleeves, skirts, slacks. Stitching of draped garments. Study of body and pattern measurements for the purpose of grading larger and smaller sizes Basic and intermediate level of grading of bodice, skirt, trouser, dress, sleeve, collar. Use of computer to grade patterns and make markers.

FTXT 2022Y(3) - CLOTHING DESIGN & MANAGEMENT
Method study. Line balancing. Organisation of clothing production. Quality management. Costing.
Students will be required to construct a garment under the supervision of a member of staff. A technical report should accompany the finished garment.
Clothing management topics will be covered prior to the start of the design project.

FTXT 2023Y(3) - COLOURATION FOR FASHION
Colour phenomenon and its measurement. Colouration of textile substrates: dyeing/pigmenting of different textile substrates using a range of suitable dyes and pigments. Printing technology: introduction to various printing methods and styles; production and properties of printing pastes; printing recipes and processes. An overview of textile finishes. Chemical finishes and their

application to textiles. Mechanical finishing methods. Laundry science: garment washing. Garment care.

FTXT 2224 (3) - CAD/CAM
Apparel Manufacturing Software Systems, Fashion CAD (Computer Aided Design), Fashion Illustration and Draping (CAD), Computerized Flat Pattern and Grading, CAD Apparel/Textile Design for Industry, CAM: Designing Knit Apparel.

FTXT 2125(3) -ACCESSORIES SOURCING
Types of accessories, sources of accessories, costing of accessories, accessories sampling, accessories sourcing process, types of embellishments, costing of embellishments, sources of embellishments, embellishments sourcing in a buying house.

TXT 2017Y(3) - HISTORICAL AND CONTEMPORARY TEXTILES & FASHION
Development of textiles and fashion through the centuries. Costumes of various civilisations and cultures. Present day and upcoming fashion and textiles for fashion and interiors.

TXT 2200 - INDUSTRIAL TRAINING II
Students undertake two months industrial training for gaining a work-based experience in textiles and fashion technology.

FTXT 3131(5) - LEADERSHIP AND ENTREPRENEURSHIP
Personal Leadership. Vision. Shared vision. Mission Statements. Goals. Developing your endowments: self awareness, conscience, independent will and creative imagination. The Foundations of Entrepreneurship: Creativity and Innovation. Importance of entrepreneurship and small businesses in Mauritius. Use information, estimates and projections, logic and critical thinking to recognize an opportunity. Case studies.

FTXT 3032Y(3) - FASHION MERCHANDISING
Fundamentals of the fashion industry, servicing the fashion market; Pre-Production steps up to apparel production, in depth study of the textile and apparel supply chain including accessories; the importance of communication. Responsibilities of merchandisers. Principles and procedures followed by merchandisers in sourcing accessories and related items. The buying function.
Retail Business fundamentals-The retail segment, Retail positioning, Strategies for retail success, visual merchandising.

FTXT 3033Y(5) - TEXTILE TESTING & QUALITY ASSURANCE
Introduction to textile testing. Basic Statistics. Testing of fibres, yarns and fabrics. Tensile strength tests. Yarn evenness, hairiness and friction. Flammability testing. Fastness tests, Colour Pass/Fail, Tolerances
Quality Gurus and Quality Concepts. Quality Standards. Quality Circles. Quality Costing. Statistical Quality Control: control charts, process capability analysis.

FTXT 3234Y(3) - FASHION INTELLIGENCE
Product and industry-driven module. Learner undertakes comprehensive research, based on a given product mix, from specialized trend forecasting services. Fashion Intelligence projects: pre-production, production, marketing, logistics, planning, distribution, and buying. Improve access to markets and operations data. Maximize information quality, clarity and speed of access.

TXFT 3235(3) - PRODUCT BRANDING & BRAND MANAGEMENT
What is a brand? The process of product development, from research to production to distribution. Branding as an assurance of originality and quality. Brand image and liability. The internet as a medium for branding. Case studies: Nike, Mc Donald's, Levi Strauss, Diesel, etc. Globalisation and branding. Intellectual Property issues. Branding and the media. Branding and wealth creation. Global brands from emerging markets.

MGT 2078Y(3) - INDUSTRIAL MARKETING & SUPPLY CHAIN MANAGEMENT

The industrial marketing System: Participants, channels, the relationships. Demand and product characteristics. The industrial customer. Purchasing systems. Value and vendor analysis. Marketing intelligence system. Marketing strategy; Product and service component, the price component, the promotional component, the channel component. Industrial marketing control-Strategic goals and instruments of control.

Understanding the Supply Chain. Supply Chain Performance: Achieving Strategic Fit & Scope. Supply Chain Drivers and Obstacles. Demand Forecasting in a Supply Chain. Aggregate Planning in the Supply Chain: Managing Predictable Variability. Managing Economies of Scale in the Supply Chain: Cycle Inventory. Managing Uncertainty in a Supply Chain: Safety Inventory. Determining Optimal Level of Product Availability. Transportation in the Supply Chain. Facility Decisions: Network Design in the Supply Chain. Information Technology and the Supply Chain. Coordination in the Supply Chain. E-business and the Supply Chain. Financial Evaluation of Supply Chain Decisions.

MECH 3004Y (5) - BUSINESS AND MANUFACTURING STRATEGY

Introduction to Strategy Formulation at: Corporate level, Business level, Functional level. Portfolio Analysis (BCG Matrix, GE Matrix). Strategy Formulation: Ansoff Matrix, Strategic Planning: Tools and Techniques. Environmental Scanning: The SWOT Analysis, Analysis of the Competitive Environment (Porter's Five forces model). Porter's Generic Strategies (cost leadership, differentiation, focus), Identification and evaluation of strategic alternatives. Strategy Implementation: Framework for understanding implementation issues, Tactical aspects of strategy implementation. Strategy Evaluation and Control.

Strategic issues in Manufacturing, Value Chain, Manufacturing Strategy Content and Process, Manufacturing Strategy Auditing, Product Design and Development, Process Choice and Strategy, Quality as a Strategic Factor, Strategic importance of Inventory Management, Strategic Human Resource Management, Lean manufacturing, Strategic Choices in Manufacturing, World Class Manufacturing.

TXT 3000Y(5) - PROJECT

Students are required to undertake a project in the relevant field of study.