M.Sc. FASHION DESIGNING

IV SEMESTER

CODE - MSFD401T
PAPER I - FUNCTIONAL TEXTILES & CLOTHING

Unit 1

Functional Textiles: Market overview, need for functions, properties of textiles for specific functions, global and regional trends in functional textile production, world market trends.

Unit 2

Functional fibers: Introduction, high performance fibers and specialty fibers – classification and important applications. Functional yarns - Introduction, staple and filament yarns. Functional fabric structures – criteria to select fabric structures for various functional fabrics, Surface modification for improved functionality.

Unit 3

Functional clothing: Introduction, Definition, And Classification: Protective functional, medical functional, sports functional clothing, Cross functional clothing needs.

Unit 4

Medical textiles: Introduction, biomaterials for medical textiles, implantable, non-implantable, extra corporal, healthcare and hygiene applications of textiles.

Unit 5

Defense textiles and textile reinforced composites: Military textile materials, water proof breathable, water vapor permeable fabrics, military combat clothing systems, camouflage clothing, composite materials, and applications of textile composites.
Protective textiles: Thermal, chemical and ballistic protection and their application.

References:

Amar K. Mohanty, Manjusri, Lawrence T, "Natural Fibers, Biopolymers and bio composites" Boca Raton, London, 2005.

- Anand S.C., Kennedy J.F. Miraftab M. and Rajendran S., "Medical Textiles and Biomaterials for Health care", Wood Head Publishing Ltd. England, 2006.
- Abhijit Majumdar, Deepti Gupta, Sanjay Gupta, "Functional Textiles and Clothing", Springer; 1st edition, 2019.
- Horrocks, A.R, Anand, S.C "Handbook of Technical Textiles", Wood Head Publishing Ltd., 2000.
- HVJ, "Shape Memory Polymers and textiles", Wood Head Publishing limited, England, 2007.
- Shahid Ul-Islam, Butola BS, "Advanced Functional Textiles and Polymers:

Fabrication, Processing and Applications", Wiley-Scrivener; 1st edition, 2019.
- Xiaoming Tao, "Wearable Electronics and Photonics", The Textile Institute, CRC press, Manchester, 2005.

M.Sc. FASHION DESIGNING

IV SEMESTER

CODE - MSFD402T
PAPER II - FASHION JOURNALISM AND PHOTOGRAPHY

Unit 1

Fashion journalism: Introduction, history, elements of fashion journalism, types, scope in the current fashion world. The writing process-Planning, shaping, drafting, revising, editing, proofreading.

Unit 2

Fashion journalists: Researching for fashion trends and conducting interviews, working methods, information gathering methods, tools and techniques used to gather information, reporting styles.

Unit 3

Fashion journalism media: Newspapers, Magazines, broadcasting media, books, lifestyle sections of newspapers, on-line fashion magazines, websites, blogs and social network. Fashion promotion and communication: Public relation management, writing for public relations, writing for advertising, writing for business communications.

Unit 4

Fashion photography: Types of photography, cameras and working principles of professional cameras, equipment and accessories, criteria for selecting cameras and lens.
Photo techniques and equipment's for different fields: Modeling, newspapers, magazines, occasions - fashion shows, fashion fairs.

Unit 5

Indoor and outdoor photography: camera, lens and equipment selection, half and full-length shots, comparison of outdoor and indoor photography, glamour shots, mood shots, styling and make up for fashion and glamour photography. Lighting technique - need, methods - shooting with natural light, modification of lighting on location, lighting ratio and effects of soft high key.

References

- Billy Pegram, "Fashion Model Photography: Professional Techniques and Images", Amherst Media, 1999.
- Bruce Smith, "Fashion Photography: A Complete Guide to the Tools and Techniques of the Trade", Amphoto Books, Watson Guptill Publication, New York, 2008.
- John Hedgecoe, "The Book of Photography", DK Publishing Inc., United States, 2005.
- Julie Bradford."Fashion Journalism" Routledge, 2014.
- Sanda Miller , Peter McNeil, "Fashion Journalism", Bloomsbury Academic, 1st edition, 2018.
- Stephen A Dantzig," Lighting Techniques for Fashion and Glamour Photography", Amherst Media, Inc, New York, 2005.

IV SEMESTER

CODE - MSFD403T

PAPER III - ENTERPRISE RESOURCE PLANNING

Unit 1

Introduction to enterprise resource planning: Basic concepts and objectives of ERP, origin, significant characteristics, need for ERP in the fashion industry, its contributions in organizational change to meet global market requirements, risks- investments and ROI. Application and benefits of ERP.

Unit 2

Information system: Data and information- characteristics, types, Need and components of information systems, Information system types- transaction processing system, management information system, decision support system, executive support system, office automation system, business expert system.

Unit 3

ERP setup process: Selection process for apparel industry- criteria involved in ERP vendor and consultants in selecting ERP, ERP tools and software, ERP Implementation lifecycle, implementation methodologies, ERP transition strategies- training and education, challenges in ERP implementation- employee resistance, post-implementation activities, success and failure factors.

Unit 4

ERP modules for Apparel industry- Finance management, HR management, plant maintenance, production planning & control, quality management, manufacturing resource planning (MRP), purchase order management, material requirement planning (MRP), shop floor control (SFC), master production schedule, inventory management, capacity requirements planning (CRP), warehouse management, cost reporting/ management, bill of material (BOM), customer relationship management (CRM) etc.

Unit 5

Maintenance and performance measurement of ERP: Operation and maintenance of the ERP System, measuring the performance of the ERP System, maximizing the ERP system. Management issues n ERP- Information security and control, quality assurance, ethical and social dimensions and intellectual property rights- managing global information systems.

References:

- Kelly Rainer R, Brad Prince, Casey G. Cegielski, "Introduction to Information

Systems: Supporting and Transforming Business", Wiley Publications, 5th edition, 2013.

- Mary Sumner, "Enterprise Resource Planning", Pearson, 1st edition, 2004.
- Michael W Pelphrey. "Directing the ERP Implementation: A Best Practice Guide to Avoiding Program Failure Traps While Tuning System Performance", CRC Press, 1st edition, 2015.
- Paige Baltzan Instructor, Amy Phillips, "Business Driven Information Systems", McGraw-Hill Education, 5th edition, 2015.
- Surjit R, Rathinamoorthy R, Vishnu K J, Vardhini, "ERP for Textiles and Apparel Industry", Woodhead Publishing India, 1st edition, 2016.
- Veena Bansal, "Enterprise Resource Planning: A Managerial perspective", Pearson, 1st edition, 2013.

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SEMESTER - IV

CODE – MSFD 404T

PAPER IV- EXPORT TRADE AND DOCUMENTATION

Unit 1

Global business environment: Nature and scope of export trade, factors influencing export trade, benefits and problems in international trade. Business organizations; principles of formation, forms of business

Unit 2

Export firm: Nature of export firm, setting up of an export firm, export licensing and registrations

Export order execution: Steps in export procedure, risks involved in documentation procedure, customs clearance.

Unit 3

Export payments: Pre-shipment and post shipment finances, negotiation of documents.

Letter of credit: Definition and processing of letter of credit, principles and types of letter of credit, checklist, advantages and disadvantages of letter of credit.

Unit 4

Export documents: Principal and auxiliary documents, steps involved in availing export documents.

Unit 5

International economical, monetary and technological coordination: Regional trade agreements, major trade blocs - SAARC, EU, ASEAN and NAFTA

References

- Donnellan, John, "Merchandise Buying and Management", Fairchild Books, 3rd edition, 2007.
- Jain, R.K. "Customs tariffs of India", CENTAX Law Publications Pvt. Ltd.; 72nd Edition 2021.
- Jain, R.K. "Foreign Trade Policy & Handbook of Procedures", CENTAX Law Publications Pvt. Ltd; 26th edition, 2021.
- Sandeep M. Bhatnagar, "Export Oriented Units - Law and Procedures", 14th edition, 2013.
- Thomas E. Johnson and Donna L. Bade, "Export/Import-Procedures and Documentation" Amacom, 4th edition, 2010.

- Jain, R.K. “Foreign Trade Policy & Handbook of Procedures”, CENTAX Law Publications Pvt. Ltd; 26th edition, 2021.
- Sandeep M. Bhatnagar, “Export Oriented Units - Law and Procedures”, 14th edition, 2013.
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