



M S Ramaiah University of Applied Sciences

Programme Specifications

M. Des. (Fashion Design) Degree Programme

Programme Code : 045

Faculty of Art and Design

Batch 2022-2023


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Bangalore - 560 054


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RUAS Programme Structure and Course Details of M. Des. Fashion Design 2022-2023

Programme: M. Des. in Fashion Design	
Faculty	Art and Design
Department	Fashion Design
Programme	M. Des in Fashion Design
Dean of Faculty	Lohit H S
HOD	Dr Mamatha Hegde

1. Title of the Award	M. Des. in Fashion Design
2. Modes of study	Both Full Time and Part Time
3. Awarding Institution / Body	M. S. Ramaiah University of Applied Sciences – Bengaluru, India
4. Joint Award	--
5. Teaching Institution	Faculty of Art and Design M S Ramaiah University of Applied Sciences - Bengaluru, India
6. Date of Programme Specification	September 2019
7. Date of Programme Approval by the Academic Council of MSRUAS	September 2019
8. Next Review Date	August 2021
9. Programme Approving Regulatory Body and Date of Approval	--
10. Programme Accrediting Body and Date of Accreditation	--
11. Grade Awarded by the Accreditation Body	--
12. Programme Accreditation Validity	--
13. Programme Benchmark	--

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Mamatha Hegde
Dean - Academics

Lohit H S
Dean

Approved by Academic Council at its 21st meeting held on 29 July 2020

14. Rationale for the Programme

Change is the law of nature". Textile and Garment industry is the one of the major sector contributing in the growth of country's overall economic development. A new dimension of door is opening in the near future for apparel manufacturers and fashion designers with the technological advancement in nano and micro encapsulations process. Traditional textiles, fibers, weaves and fashion are losing their originality and becoming vague in the present day due to vast industrialized output of textile and garment sectors across the world. There is a need to touch the sensibility of global fashion clothing lovers through reviving the ancient hidden treasure of various Regions of India. Fusion of one regional ethnic designs with the other and incorporation of them in tonew style is trending on the way these days.

The M. Des. Postgraduate degree programme in Fashion Design at RUAS is designed to impart a clear understanding of Fashion Design and produce fashion design professionals equipped with skills to develop creative fashion outfits and accessories.

The proposed programme in Fashion Design is aimed at preparing skilled professionals and human resources to meet the demands of the fashion industry including other regional, national and global organizations. It also aims at encouraging the development of new concepts and designs creating avenues for entrepreneurship.

The Faculty of Art and Design at MSRUEAS is staffed with professors from diverse specializations

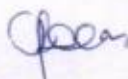
like Fashion Design, Applied Arts, Design, Visual Arts, Architecture, and Management with extensive experience in academics, studios and execution of design projects. With an excellent infrastructure and an exceptional faculty, MSRUEAS has developed a reputation amongst students, industries and research sponsors. The Faculty of Art and Design plans for further development of the Fashion Design programme and attract high quality graduates as well as teaching talent from India and abroad.

15. Programme Aim

The aim of the programme is to produce postgraduates with advanced knowledge and understanding of fashion design; higher order critical, analytical, problem solving and transferable skills; ability to think creatively and innovatively with advanced skills to pursue a career in a competitive fashion design sector.

16. Programme Objectives

The programme enables the students to achieve an integrated understanding of the underlying principles of Fashion Design and develop creative and innovative designs for clothing, apparel, fashion outfits and accessories using manual and digital techniques to pursue a career in Fashion Design.


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RUAS Programme Structure and Course Details of M. Des. Fashion Design 2022-2023

The objectives of the programme are to enable the students :

1. To enhance knowledge on processes involved in the evaluation of present and future fashion trends and create various fashion collections
2. To use virtual tools to illustrate designs and create trial pieces of apparel and accessories
3. To provide tools and techniques to research and analyze the needs of the consumer
4. To Conceptualise and create fashion shows along with merchandising, presentation and documentation
5. To impart training on manual techniques and digital tools to accurately visualize, model, simulate and present multiple alternative solutions to satisfy consumer needs
6. To develop leadership and entrepreneurial skills required to foray into the world of Fashion Design
7. To provide a general perspective and opportunities for a career in Fashion Design and to train the students in teamwork, lifelong learning and continuous improvement.

17. Intended Learning Outcomes of the Programme

The Intended Learning Outcomes (ILOs) are listed under four headings:

1. Knowledge and Understanding, 2. Cognitive Skills 3. Practical Skills and 4. Capability / Transferable Skills.

1. Knowledge and Understanding

After undergoing this programme, a student will be able to:

- KU1:** Explain fundamental concepts, terminologies and techniques respect to fashion design
- KU2:** Explain the process of garment construction, manufacturing, and quality control
- KU3:** Discuss the techniques involved in concept generation, presentation of garment and accessories,
- KU4:** Discuss various fabric weaves, material finishes, textures and patterns related to fashion design.

2. Cognitive Skills

After undergoing this programme, a student will be able to:

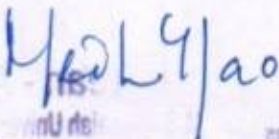
- CS1:** Analyze emerging trends in the fashion industry
- CS2:** Explore new styles and patterns using interplay of colors, fabrics, cut and fit
- CS3:** Conceptualize creative ideas to develop the next generation haute couture
- CS4:** Formulate design criteria for manufacturability of mass-market fashion goods and accessories.

3. Practical Skills

After undergoing this programme, a student will be able to:

- PS1:** Organize and hold fashion shows to showcase new collections
- PS2:** Translate conceptual ideas into ready to wear goods
- PS3:** Use sketches and digital tools to synthesize and visualise concepts
- PS4:** Modify the existing design to meet newer requirements


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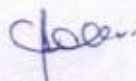

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4. Capability / Transferable Skills

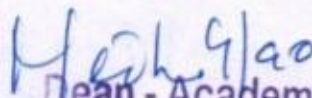
After undergoing this programme, a student will be able to:

- TS1:** Manage information, develop technical reports and make presentations
- TS2:** Build, Manage and Lead a team to successfully complete a project and communicate across teams and organizations to achieve professional objectives
- TS3:** Work under various constraints to meet project targets
- TS4:** Adopt to the chosen profession by continuously upgrading his/her knowledge and understanding through Life-long Learning philosophy



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RUAS Programme Structure and Course Details of M. Des. Fashion Design 2022-2023

a. Programme Structure

The Programme consists of four terms as shown below. A student is required to successfully complete the following courses and earn credits for the award of the degree.

Complete details of each of the courses such as ILO's, content, resources, teaching-learning processes and other related information are outlined in Course Specification of the respective programme.

SEMESTER 1

Sl. No	Course Code	Course Designation	Name of the Course	Hours (h/W/S)			Credits	Max. Marks
				Theory	Tutorial	Practical		
1	19FSD501B	C1	Integral Fashion Styles and Illustrations	2	0	4	4	100
2	19FSD502B	C2	Concurrent Textiles	2	0	4	4	100
3	19FSD503B	C3	Digital Fashion Designing	2	0	4	4	100
4	19FSD504B	C4	Apparel Style and Forecasting	3	0	2	4	100
5	19HST501B	CC1	Research Methodology	2	0	0	2	50
6	19SEM501B	SEC1	Skill Enhancement Course	0	0	4	2	50
Total				11	0	18	20	500
Total Number of Contact Hours per Week				29		Hours		
Number of Credits can be registered				Minimum	20	Maximum		20

SEMESTER 2

Sl. No	Course Code	Course Designation	Name of the Course	hours (h/W/S)			Credits	Max. Marks
				Theory	Tutorial	Practical		
1	19FSD505B	C5	Fashion Photography and Visual Merchandising	2	0	4	4	100
2	19FSD506B	C6	Smart and Innovative Fashion	2	0	4	4	100
3	19FSD507B	C7	Fashion Design for Environment and Sustainability	4	0	0	4	100
4	19FSD5XXB	EX1	Refer Elective Course Table	2	0	4	4	100
5	19FSD5XXB	EX2	Refer Elective Course Table	2	0	4	4	100
Total				10	0	20	20	500
Total Number of Contact Hours per Week				30		Hours		
Number of Credits can be registered				Minimum	20	Maximum		20

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SEMESTER 3

Sl. No.	Course Code	Course Designation	Name of the Course	Theory (h/W/S)	Tutorials (h/W/S)	Practical (h/W/S)	Total Credits	Max. Marks
1	19FSD595B	INT	Internship/ Mini Project	-	-	8	4	100
2	19FSD599B	GP	Group project	-	-	20	10	200
3	19FSD5XXB	EX3	Refer Elective Course Table	0	0	8	4	100
4	19SEM502B	SEC2	Skill Enhancement Course	0	0	4	2	50
Total						40	20	450
Total number of contact hours per week				40 hours				
Number of credits can be registered				Minimum	20	Maximum	20	

SEMESTER 4

Sl. No.	Course Code	Course Designation	Name of the Course	Theory (h/W/S)	Tutorials (h/W/S)	Practical (h/W/S)	Total Credits	Max. Marks
1	19FSD600B	DP	Dissertation and Publication	-	-	40	20	400
Total						40	20	400
Total number of contact hours per week				40 hours				
Number of credits can be registered				Minimum	20	Maximum	20	

Elective Courses List			
Stream / Specialization	S. No.	Course Code	Course Title
Stream -1 (Apparel Design)	E11	19FSD511B	Textile and Apparel Evaluation
	E12	19FSD521B	Functional and Technical Apparels
	E13	19FSD531B	Portfolio Design and Presentation
Stream-2 (Fashion Management)	E21	19FSD512B	Fashion Merchandising and Boutique Management
	E22	19FSD522B	Need Based Garment Production
	E23	19FSD531B	Portfolio Design and Presentation

Skill Enhancement Course:

Students will be awarded 2 credits on completion of either one of the following, in a given semester:

- i. Participation in Art and Design exhibitions and shows
- ii. Participation in Fashion related exhibitions and shows
- iii. Participation in National & international design competition
- iv. Field/ Industrial visit
- v. MOOC Course

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19. Programme Delivery Structure

A Programme is delivered IN accordance with the time table provided at the beginning of the semester for every batch.

20. Teaching and Learning Methods

The course delivery comprises of a combination of few or all of the following:

1. Face to Face Lectures using Audio-Visuals
2. Workshops, Group Discussions, Debates, Presentations
3. Demonstrations
4. Guest Lectures
5. Laboratory/Field work/Workshop
6. Industry Visit
7. Seminars
8. Group Exercises
9. Project Exhibitions
10. Technical Festivals

21. Courses

Programme has seven core courses (C1- C7), one compulsory courses (CC1), three elective courses (Ex1 – Ex3), two skill enhancement courses (SEC 1-2) followed by Group Project (GP), Internship(INT) and Dissertation & Publication (DP) courses.

Core Courses (C1- C7) are Programme Specialization courses which normally include both theory and laboratory sessions. Alternate activities are planned in case of laboratory sessions do not exist in a course.

Compulsory Courses (CC1) are the Ability Enhancement Courses which are mandatory.

22. Electives

There are 3 electives (Ex1 – Ex3) in the programme. The electives are grouped such a way that a student can choose a set of electives to specialize in a chosen field/stream. However, if the student wishes to opt for elective course that spans multiple streams, the case may be considered subject to the affordability of academic logistics and approval by the course leader, HODs and Deans.

For every elective offered, there will be a minimum and a maximum number of registrations that is decided by the department.

There is also a provision for the students to choose SEC1 and SEC2 through on-line mode such as MOOC's, SWAYAM, NPTEL and other equivalent platforms. The guidelines prescribed by the University for such courses to be adhered to.

23. Group Project

The main objective of group project is to provide an ambience to work in groups towards achieving a common goal. A group shall have up to 5 students. In case of Group Project work is based on inter-disciplinary in nature, team can be constituted with members from across departments of the Faculty.

The students are required to develop a report for assessment and also need to demonstrate the working of the product. The IPR rights of all such work lies with the University only. The project should be approved by a committee constituted by respective HoDs before the start of the project. For further details related to the Group Project refer to Course Specification of the respective programmes

24. Industry Internship/Other Activities

A student can opt for an internship in an industry, a business or research organization during the course.

Alternately, can undertake a mini-project requiring self-directed study that can be perused within the affiliated Faculty.

Prior approval of the internship / mini-project by the HoD and Dean is mandatory. It is also necessary for the student to submit a report and make a presentation to the members of the panel constituted by the HoD for assessment.

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RUAS Programme Structure and Course Details of M. Des. Fashion Design 2022-2023

For further details related to this course, please refer to Course Specification of the respective programmes.

25. Dissertation and Publication

This course has two parts – Dissertation and Publication.

Every student has to undertake the dissertation work individually on a chosen relevant topic. The topic needs to be approved by the committee constituted by HoD.

Publication is a stage wherein dissertation work of the student is converted into a technical paper to be published in reputed conferences/journals.

For further details related to this course refer to Course Specifications of the respective programmes

26. Course Assessment

Every course normally has two components for evaluation-Continuous Evaluation (CE) and Semester End Examination (SEE) comprising both theory and laboratory parts.

For complete assessment details of various categories of courses are as follows,

Type of Course		PBC	TBC	PC	SEC	MC
Components						
Component - 1 (CE – Continuous Evaluation)	1	Creative Work Submission – 50 %	Assignment – 50 %	Creative Work Submission – 50 %	NA	Presentation – 50%
	2A	Written Exam – 25 %	Written Exam – 50 %	Presentation – 100%	Presentation – 100%	Report Submission – 50 %
Component - 2 (SEE – Semester End Examination)	2B	Practical / Creative Work Submission – 25 %				

PBC – Process Based Course (Course which have both Theory and Practical Components)

TBC – Theory Based Course (Course which have only Theory Component)

PC - Practical Based Course (Course which have only Practical Component)

SEC – Skill Enhancement Course (Course which have only Practical Component)

MC – Mentorship Course (Course which only Practical Component)

The Assessment Method will be chosen by the Course leader as per the following.

Sl.No.	Assessment Type	Assessment method
1	Creative Work Submission	Art work/ Physical Product/ Virtual Model and Renders/ Photographs / Video/ Folios/ Displays
2	Assignment	Word Processed Document/ Course specific presentations / Group Discussion / Combined
3	Theory Exam	Written – MCQ/ Short Essay / Course specific presentations / Combined
4	Practical Exam	2 / 3 Hrs Demonstration with Viva

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RUAS Programme Structure and Course Details of M. Des. Fashion, Design 2022-2023

27. Failure in Course and Makeup Examinations

Makeup Examinations are provided for the students who are not able to meet all pass criteria prescribed for a course during the regular term and fail in the course.

For further details related to makeup examination, please refer to M. Des. Programme Academic Regulations document.

28. Attendance

Please refer to M. Des. Programme Academic Regulations document for attendance requirements and condonation related details.

29. Award of Grades

As per the M. Des. Programme Academic Regulations document.

30. Student Support for Learning

Students are provided with various facilities to support learning such as the following:

1. Reference books in the library
2. Magazines and Journals
3. Internet facility
4. Computing facility
5. Laboratory facility
6. Workshop facility
7. Staff support
8. Lounges for discussions
9. Any other support that enhances their learning

31. Quality Control Measures

Following are the Quality Control Measures:

1. Student Feedback Analysis
2. Opportunities for the students to see their assessed work
3. Staff Student Consultative Committee meetings
4. Student exit feedback analysis
5. Subject Assessment Board (SAB)
6. Programme Assessment Board (PAB)

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RUAS Programme Structure and Course Details of M. Des. Fashion Design 2022-2023

32. Curriculum Map

Course Code	Intended Learning Outcomes											
	Knowledge and Understanding				Cognitive (Thinking) Skills (Critical, Analytical, Problem Solving, Innovation)				Practical Skills			
	KU1	KU2	KU3	KU4	CS1	CS2	CS3	CS4	PS1	PS2	PS3	PS4
19FSD501B	X		X		X	X	X	X	X	X	X	X
19FSD502B	X		X	X	X			X		X	X	X
19FSD503B	X				X	X	X					
19FSD504B	X		X	X	X	X		X		X	X	X
19HST501B	X		X		X		X	X	X	X	X	X
19FSD505B	X		X	X	X	X	X	X	X		X	X
19FSD506B	X	X	X	X	X	X	X	X	X	X	X	X
19FSD507B				X		X	X	X		X	X	X
19FSD5XXB	X	X		X	X	X				X	X	X
19FSD5XXB	X	X	X		X	X	X	X		X	X	X
19FSD595B	X	X		X	X	X	X			X	X	X
19FSD599B	X	X	X	X	X	X	X	X	X	X	X	X
19FSD5XXB				X	X	X	X	X				
19FSD600B	X	X	X	X	X	X	X	X		X	X	X
19SEM501B					X	X	X	X	X	X	X	X
19SEM502B					X	X	X	X	X	X	X	X

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RUAS Programme Structure and Course Details of M. Des. Fashion Design 2022-2023

33. Capability / Transferable Skills Map

Course Code	Group work	Self-learning	Research Skills	Written Communication Skills	Verbal Communication Skills	Presentation Skills	Behavioral Skills	Information Management	Personal management/ Leadership Skills
19FSD501B		X	X	X	X	X			
19FSD502B		X	X	X	X	X			
19FSD503B		X	X	X	X	X			
19FSD504B		X	X	X	X	X			
19HST501B	X	X	X	X	X	X			
19FSD505B		X	X	X	X	X	X	X	X
19FSD506B		X	X	X	X	X	X	X	X
19FSD507B		X	X	X		X	X	X	X
19FSD5XXB		X	X	X	X	X			
19FSD5XXB		X	X		X	X			
19FSD595B		X	X	X	X	X			
19FSD599B	X	X	X	X	X	X	X	X	X
19FSD5XXB	X	X	X	X	X	X	X	X	X
19FSD600B	X	X	X	X	X	X	X	X	X
19SEM501B	X	X	X		X	X	X	X	X
19SEM502B	X	X	X		X	X	X	X	X

34. Co-curricular Activities

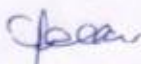
Students are encouraged to take part in co-curricular activities like seminars, conferences, symposium, paper writing, attending industry exhibitions, project competitions and related activities to enhance their knowledge and network.

35. Cultural and Literary Activities

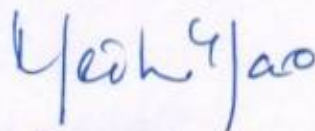
To remind and ignite the creative endeavors, annual cultural festivals are held and the students are made to plan and organize the activities.

36. Sports and Athletics

Students are encouraged to develop a habit of taking part in outdoor and indoor games on regular basis.


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University's Vision, Mission and Objectives

The M. S. Ramaiah University of Applied Sciences (MSRUAS) will focus on student-centric professional education and motivates its staff and students to contribute significantly to the growth of technology, science, economy and society through their imaginative, creative and innovative pursuits. Hence, the University has articulated the following vision and objectives.

Vision

MSRUAS aspires to be the premier university of choice in Asia for student centric professional education and services with a strong focus on applied research whilst maintaining the highest academic and ethical standards in a creative and innovative environment

Mission

Our purpose is the creation and dissemination of knowledge. We are committed to creativity, innovation and excellence in our teaching and research. We value integrity, quality and teamwork in all our endeavors. We inspire critical thinking, personal development and a passion for lifelong learning. We serve the technical, scientific and economic needs of our Society.

Objectives

1. To disseminate knowledge and skills through instructions, teaching, training, seminars, workshops and symposia in Engineering and Technology, Art and Design, Management and Commerce, Health and Allied Sciences, Physical and Life Sciences, Arts, Humanities and Social Sciences to equip students and scholars to meet the needs of industries, business and society
2. To generate knowledge through research in Engineering and Technology, Art and Design, Management and Commerce, Health and Allied Sciences, Physical and Life Sciences, Arts, Humanities and Social Sciences to meet the challenges that arise in industry, business and society
3. To promote health, human well-being and provide holistic healthcare
4. To provide technical and scientific solutions to real life problems posed by industry, business and society in Engineering and Technology, Art and Design, Management and Commerce, Health and Allied Sciences, Physical and Life Sciences, Arts, Humanities and Social Sciences
5. To instill the spirit of entrepreneurship in our youth to help create more career opportunities in the society by incubating and nurturing technology product ideas and supporting technology backed business
6. To identify and nurture leadership skills in students and help in the development of our future leaders to enrich the society we live in
7. To develop partnership with universities, industries, businesses, research establishments, NGOs, international organizations, governmental organizations in India and abroad to enrich the experiences of faculties and students through research and developmental programmes

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Programme Outcomes (POs)

M. Des. graduates will be able to:

PO 1. Apply knowledge of art and Design fundamentals to solve complex problems in product development

PO 2. Identify design problems, interpret data and arrive at meaningful conclusions involving design inferences

PO 3. Design an artefact considering functionality, usability and safety, and the cultural, societal, and environmental considerations

PO 4. Ability to comprehend and solve complex design problems by interacting with the end users

PO 5. Apply appropriate tools and techniques and comprehend utilization of resources appropriately to complex design activities

PO 6. Ability to comprehend the effect of design solutions on legal, cultural, social and functional and safety aspects

PO 7. Ability to develop sustainable solutions and comprehend their effect on society and environment

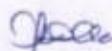
PO 8. Apply ethical principles to design practices and professional responsibilities

PO 9. Ability to work as a member of a team, to plan and to integrate knowledge of various design and engineering disciplines and to lead teams in multidisciplinary settings

PO 10. Ability to make effective oral presentations and communicate design ideas to a broad audience using written and oral means

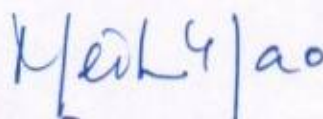
PO 11. Ability to lead and manage multidisciplinary teams by applying design and management principles

PO 12. Ability to adapt to the changes and advancements in technology and engage in independent and life-long learning



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Program Educational Objectives (PEOs)

The objectives of the M. Des. (Fashion Design) Programme are to:

PEO-1.

Impart students a strong foundation in principles of fashion design, illustration, textiles, apparels on account to develop creative and innovative designs using manual and digital techniques

PEO-2.

Construct need, functionality and theme-based advanced costumes for different sectors of humanity with due considerations of apparel quality, sustainability, and environmental factors and promote them through various media as fashion shows, window display, and advertisements

PEO-3.

Analyses the current textile, apparel, and fashion market and solve the problems to meet the industrial and consumer demands and needs

PEO-4.

Demonstrate the professional and entrepreneurial skills by inculcating strong human values, interpersonal and leadership qualities required to foray into the world of fashion design to become successful in evolving global professional environments

Programme Specific Outcomes (PSOs)

At the end of the M. Des. (Fashion Design) program, the graduate will be able to:

PSO-1. Describe the fundamental of designs, textiles, and patterns processes for garment construction, manufacturing, and quality control

PSO-2. Explore new styles and designs using the interplay of elements and principles, fabrics, cut and fit for manufacturability of mass-market fashion goods and accessories with ample communication and professional development

PSO-3. Analyse the emerging trends in the fashion industry by ideation, conceptualization, and portfolio development with a wide view on sustainability, quality, and promotion aspects

PSO-4. Adopt to the chosen profession by continuously upgrading his/her professional skills through life-long learning philosophy and strive for the betterment of organization, environment, and society

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Course Specifications

M. Des. (Fashion Design) Degree Programme

Programme Code: 045

Faculty of Art and Design

Batch 2022-2023

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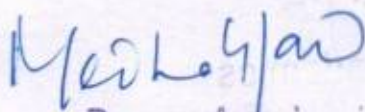
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Course Specifications: Integral Fashion Styles and Illustration

Course Title	Integral Fashion Styles and Illustration
Course Code	19FSD501B
Course Type	Core Theory and Laboratory Course
Department	Fashion Design
Faculty	Art and Design

1. Course Summary

This course deals with the study of various skills required for a fashion illustrator with knowledge of figure drawing. Students are also trained to use different art media used for fashion illustration. Students are taught to render different fashion Croquis and garment components. Students are trained to sketch different accessories used in Fashion Design.

2. Course Size and Credits:

Number of Credits	04
Credit Structure (Lecture: Tutorial: Practical)	2:0:2
Total Hours of Interaction	100
Number of Weeks in a Semester	15
Department Responsible	Fashion Design
Total Course Marks	100
Pass Criterion	As per the Academic Regulations
Attendance Requirement	As per the Academic Regulations

3. Course Outcomes (COs)

After the successful completion of this course, the student will be able to:

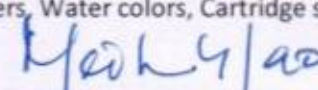
- CO-1. Explain different art media for fashion sketching
- CO-2. Describe and render different fabric samples on garment components
- CO-3. Illustrate different fashion Croquis with different styles
- CO-4. Illustrate and render different fashion accessories using art media
- CO-5. Develop sources of inspiration for Fashion Illustration
- CO-6. Apply different art media for fashion sketching


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4. Course Contents

Unit 1 (Introduction To Basic Sketching, Rendering Tools): pencils, colour pencils, markers, acrylic colour. Understanding of colour wheel - primary, secondary and tertiary colors. Color scheme - hue, value and Chroma, tint, tone, and shade. Color harmony, seasonal colors and color psychology. Sketching: Sketching of 2D composition using various media like pencils, Dry pastels, Charcoal, Markers, Water colors, Cartridge sheets, Color sheets, Tracing papers.

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RUAS Programme Structure and Course Details of M. Des. Fashion Design 2022-2023

Unit 2 (Idea Generation): Create original fashion design ideas on the figure, Develop, evaluate and select design ideas, Producing final design ideas and specification drawings with fabric samples.

Unit 3 (Visualization) : Rendering of different fabric appearances using wet mediums like poster or acrylic, Sketching of different views of face, eye, nose, hands, legs, hairstyles, lace, leather, fur, satin, denim, wool and knitted.

Unit 4 (Styles) :Streetwear Style, Ethnic fashion style, Formal Office Wear, Business Casual, Sports Wear, Rocker Chic Style, Goth Fashion, Maternity Style, Lolita Fashion, Gothic Lolita style, Hip Hop Style, Preppy style, Vintage Fashion Style, Bohemian Fashion Style, Artsy Fashion Style

Unit 5 (Illustration and Rendering) : Develop sources of inspiration for jewelry and accessory designs, Understand jewelry design theory and jewelry and accessory artistry, Illustrate shape, form, and texture of metal, leather and fabric, Render faceted gems, cabochons, pearls, phenomenal gems, and colored metals, Apply traditional drafting techniques to design jewelry and accessories, preparing color charts and stories and materials concepts.

Unit 6 (Practical/Laboratory content)

(Concept Sketching): In-class sketching and demonstrations Painting and coloration techniques, freehand drawing of stylized fashion figures and design different types of silhouettes, Texture, pattern ,color, prints on dresses, Fashion details on garments like stitch lines , collars, cuffs, sleeves

Unit 7 (Practical/Laboratory content)

(Preparation of a Portfolio with Sketching of Croquis): In class sketching of Different Men's', Croquis, Women Croquis with Different styles

5. Course Map (CO-PO-PSO Map)

	Programme Outcomes (POs)												Programme Specific Outcomes (PSOs)			
	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10	PO-11	PO-12	PSO-1	PSO-2	PSO-3	PSO-4
CO-1	2	1						1	1	1		1	3	3	3	2
CO-2	3	1	1					1	1	1		1	3	3	3	2
CO-3	3	1	1					1	1	1		1	3	3	3	2
CO-4	3	1	1					1	1	1		1	3	3	3	2
CO-5	3	3	3			1		1	1	1		1	3	3	3	2
CO-6	3	1	1					1	1	1		1	3	3	3	2

3: Very Strong Contribution, 2: Strong Contribution, 1: Moderate Contribution

6. Course Teaching and Learning Methods

Teaching and Learning Methods	Duration in hours	Total Duration in Hours
Face to Face Lectures		10
Demonstrations		20
1. Demonstration using Videos	05	
2. Demonstration using Physical Models / Systems	09	

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RUAS Programme Structure and Course Details of M. Des. Fashion Design 2022-2023

3. Demonstration on a Computer	06	
Numeracy		
1. Solving Numerical Problems	00	
Practical Work		
1. Course Laboratory	25	45
2. Computer Laboratory	20	
3. Engineering Workshop / Course/Workshop / Kitchen	00	
4. Clinical Laboratory	00	
5. Hospital	00	
6. Model Studio	00	
Others		
1. Assignment Discussion / Related Activities	03	15
2. Case Study Presentation		
3. Guest Lecture	00	
4. Industry / Field Visit	00	
5. Brain Storming Sessions	00	
6. Group Discussions	12	
7. Discussing Possible Innovations	00	
Student Presentation, Laboratory Examination, Written Examination		10
Total Duration in Hours		100

7. Course Assessment and Reassessment

The details of the components and subcomponents of course assessment are presented in the Programme Specifications document pertaining to the B. Des. (Fashion Design) Programme. The procedure to determine the final course marks is also presented in the Programme Specifications document.

The evaluation questions are set to measure the attainment of the COs. In either component (CE or SEE) or subcomponent of CE (SC1, SC2, SC3 or SC4), COs are assessed as illustrated in the following Table.

Focus of Cos on each Component or Subcomponent of Evaluation				
Subcomponent ▶	Component 1: CE (50% Weightage)			Component 2: SEE (50% Weightage)
	SC1	SC2	SC3	
Subcomponent Type ▶	Assignment	Mid Term Examination	Assignment	100 Marks
Maximum Marks ▶	25	50	25	
CO-1	x	x		x
CO-2	x	x		x
CO-3	x	x	x	x
CO-4	x	x	x	x
CO-5		x	x	x
CO-6		x	x	x

The details of SC1, SC2 or SC3 are presented in the Programme Specifications Document.

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RUAS Programme Structure and Course Details of M. Des. Fashion Design 2022-2023

The Course Leader assigned to the course, in consultation with the Head of the Department, shall provide the focus of COs in each component of assessment in the above template at the beginning of the semester.

Course reassessment policies are presented in the Academic Regulations document.

8. Achieving COs

The following skills are directly or indirectly imparted to the students in the following teaching and learning methods:

S. No	Curriculum and Capabilities Skills	How imparted during the course
1.	Knowledge	Class room lectures and laboratory instructions
2.	Understanding	Class room lectures, laboratory instructions and demonstrations
3.	Critical Skills	Creative Work Submission
4.	Analytical Skills	Class room, laboratory, Creative Work Submission
5.	Problem Solving Skills	Laboratory, Creative Work Submission
6.	Practical Skills	Laboratory, Creative Work Submission
7.	Group Work	Creative Work Submission, laboratory
8.	Self-Learning	Creative Work Submission
9.	Written Communication Skills	Creative Work Submission, Examination
10.	Verbal Communication Skills	Presentation
11.	Presentation Skills	Presentation
12.	Behavioral Skills	Module
13.	Information Management	Creative Work Submission, examination, laboratory, presentation
14.	Leadership Skills	Effective management of learning, time management, achieving the learning outcomes

9. Course Resources

a. Essential Reading

1. Class Notes
2. Bryant, M. W., (2016), Illustration Techniques for Fashion Designers, Laurence King Publishing; 2nd edition

b. Recommended Reading

1. Sandra, K., Myrna, G. B. (2012) Beyond Design. 3rd Ed. Bloomsbury Publishing India Pvt Ltd
2. Brambatti, M. (2017), Fashion Illustration & Design: Methods & Techniques for Achieving Professional Results Promopress publisher
3. Watanabe, N. (2009), Contemporary Fashion Illustration Techniques, Rockport Publishers

RUAS Programme Structure and Course Details of M. Des. Fashion Design 2022-2023

c. Magazines and Journals

1. Journal of Textile and Apparel Technology Management
2. Journal of Cloth and Culture
3. International journal of Clothing Science and Technology
4. Home Textiles Today
5. InStyle, Time Inc, US
6. Fashion, St. Joseph Media, Canada
7. Fashion theory, Bloomsbury Publications, UK

d. Websites

1. www.designersnexus.com
2. www.style.com/fashion

e. Other Electronic Resources


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Course Specifications: Concurrent Textiles

Course Title	Concurrent Textiles
Course Code	19FSD502B
Course Type	Core Theory and Laboratory Course
Department	Fashion Design
Faculty	Art and Design

1. Course Summary

This Course deals with the study of Concurrent Textiles. Students are trained to acquire relevant theoretical and practical knowledge, understanding the concepts, Innovative idea creation pertaining to present advanced textiles to meet the needs of society and industry. Students get acquainted with the current fibres, yarns and fabrics, their properties, performance, applications and challenges associated with them.

2. Course Size and Credits:

Number of Credits	04
Credit Structure (Lecture: Tutorial: Practical)	2:0:2
Total Hours of Interaction	100
Number of Weeks in a Semester	15
Department Responsible	Fashion Design
Total Course Marks	100
Pass Criterion	As per the Academic Regulations
Attendance Requirement	As per the Academic Regulations

3. Course Outcomes (COs)

After the successful completion of this course, the student will be able to:

- CO-1. Explain the currently used textile fibres, yarns and fabrics
- CO-2. Describe the advanced functional finishes, dyes and prints applied to concurrent textiles
- CO-3. Discuss different types of innovative textiles, hygienic clothing/ cosmo textiles/smart textiles
- CO-4. Test the fibers, yarns and fabrics for various performance properties
- CO-5. Dye and print the fabric with latest wet processing techniques and evaluate the methods and challenges faced by textile processing industry and remedies

4. Course Contents

Unit 1 (Introduction to concurrent textiles): Introduction to currently used natural, manmade and synthetic fibres, yarns and fabrics. High performance, biodegradable and other fibres. Innovation in fibers – Micro fibers, hollow fibers, nano fibres. Innovations in spinning techniques. Textured yarns-properties and usages. Physical properties of these fibres and their effect on fabric performance-tensile properties, frictional properties, moisture absorption properties, thermal properties, optical properties and electrical properties

Unit 2 (Development of Concurrent Textiles-woven fabrics): Different methods of fabric formation: weaving and knitting. Fabric construction methods, basic motion of weaving, Loom and its parts,

RUAS Programme Structure and Course Details of M. Des. Fashion Design 2022-2023

Primary and secondary motions of loom, shuttle and shuttle-less looms and basic weaving concepts. Woven structure representation. General properties of woven and knitted fabrics- EPI, PPI, Fabric Count, fabric, thickness, cover factor and GSM. Elementary Weaves - Plain, twill and satin, influence of these weaves on fabric construction

Unit 3 (Development of Concurrent Textiles- knitted and non-woven fabrics): Introduction to knitting, Difference between knits & woven, knitting terms & definition, Classification of weft knitting machine, warp knitting introduction, classification of warp, Knitting Modern developments in knitting industry, knitted fabrics end use. Non-wovens, types, manufacturing processes, properties, evaluation and application in apparels and fashion sectors

Unit 4 (Special Finishes On Garments): Finishing of Woven / Knitted garments – Stone less, Stone Wash effects, Mud wash, Ion wash, Chalk wash, Water resistant Breathable finish, Bio polishing, Leathery Finish, Protective Finishes –Deodorizing, Cool Finish and Thermostat finishes, Innovations in textile finishing –Microencapsulation, Special effect finishes Nanotechnology in field of textile finishing

Unit 5 (Smart and Intelligent textiles): Smart – Active smart, passive smart and ultra – smart, intelligent – PCM, SMP, Chromic and conductive materials

Unit 6 (Testing of yarn and fabrics): Test the fibers, yarns and fabrics for basic geometric and performance properties. Dyeing and printing the fabrics with latest dyeing and printing techniques, dyeing with natural dyes and mordants. Tie and Dye and Batik with different designs

Unit 7 (Evaluation of dyed and printed goods): Critical evaluation methods and challenges faced by textile processing industry. Innovative dyeing and printing techniques for development of hygienic clothing

5. Course Map (CO-PO-PSO Map)

	Programme Outcomes (POs)												Programme Specific Outcomes (PSOs)			
	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10	PO-11	PO-12	PSO-1	PSO-2	PSO-3	PSO-4
CO-1	2		3	3			3						3	2		
CO-2	3	2	3										3	2		
CO-3	2		3	2	3		2						3			
CO-4		2											3			
CO-5	3	2					2						3	3	3	2

3: Very Strong Contribution, 2: Strong Contribution, 1: Moderate Contribution


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6. Course Teaching and Learning Methods

Teaching and Learning Methods	Duration in hours	Total Duration in Hours
Face to Face Lectures		10
Demonstrations		20
1. Demonstration using Videos	05	
2. Demonstration using Physical Models / Systems	09	
3. Demonstration on a Computer	06	
Numeracy		00
1. Solving Numerical Problems	00	
Practical Work		45
1. Course Laboratory	45	
2. Computer Laboratory	00	
3. Engineering Workshop / Course/Workshop / Kitchen	00	
4. Clinical Laboratory	00	
5. Hospital	00	
6. Model Studio	00	
Others		15
1. Case Study Presentation	03	
2. Guest Lecture	00	
3. Industry / Field Visit	00	
4. Brain Storming Sessions	00	
5. Group Discussions	12	
6. Discussing Possible Innovations	00	
Term Tests, Laboratory Examination/Written Examination, Presentations		10
Total Duration in Hours		100

7. Course Assessment and Reassessment

The details of the components and subcomponents of course assessment are presented in the Programme Specifications document pertaining to the B.Des. (Fashion Design) Programme. The procedure to determine the final course marks is also presented in the Programme Specifications document.

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Subcomponent	Component 1: CE (50% Weightage)			Component 2: SEE (50% Weightage)
	SC1	SC2	SC3	
Subcomponent Type	Assignment	Mid Term Examination	Assignment	100 Marks
Maximum Marks	25	50	25	
CO-1		X		X
CO-2		X		X
CO-3		X		X
CO-4	X	X	X	X
CO-5	X		X	X

The details of SC1, SC2 or SC3 are presented in the Programme Specifications Document.

RUAS Programme Structure and Course Details of M. Des. Fashion Design 2022-2023

The Course Leader assigned to the course, in consultation with the Head of the Department, shall provide the focus of COs in each component of assessment in the above template at the beginning of the semester.

Course reassessment policies are presented in the Academic Regulations document.

8. Achieving COs

The following skills are directly or indirectly imparted to the students in the following teaching and learning methods:

S. No	Curriculum and Capabilities Skills	How imparted during the course
1.	Knowledge	Class room lectures and laboratory instructions
2.	Understanding	Class room lectures, laboratory instructions and demonstrations
3.	Critical Skills	Creative Work Submission
4.	Analytical Skills	Class room, laboratory, Creative Work Submission
5.	Problem Solving Skills	Laboratory, Creative Work Submission
6.	Practical Skills	Laboratory, Creative Work Submission
7.	Group Work	Creative Work Submission, laboratory
8.	Self-Learning	Creative Work Submission
9.	Written Communication Skills	Creative Work Submission, Examination
10.	Verbal Communication Skills	Presentation
11.	Presentation Skills	Presentation
12.	Behavioral Skills	Course
13.	Information Management	Creative Work Submission, examination, laboratory
14.	Personal Management	Creative Work Submission, examination, laboratory presentation
15.	Leadership Skills	Effective management of learning, time management, achieving the learning outcomes


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9. Course Resources

a. Essential Reading

1. Course notes
2. Horrock, Anand. (2000) Handbook of Technical Textiles, Woodhead Publishers.

b. Recommended Reading

1. Lunenscholss. J, Albrocht. W, Horwood, E. (1985) Non-woven bonded fabrics, London
2. Marsh, J.T. (1979) Technical Textiles, Textile Institute
3. Rouette, H.K. (2001) Encyclopedia of Textile Finishing, Volumes 1 to 3 , Berlin, Springer
4. Horrock & Anand (2000) Handbook of Technical Textiles, Woodhead Publishers
5. Schindler, W.D. and Hauser, P.J. (2004) Chemical Finishing of Textiles, The Textile Institute, England, Woodhead Publishing Ltd.
6. Trotman, E. R. (1984) Dyeing and Chemical Technology of Fibers, Sixth Edition, England, Charles Griffin and Company Ltd

c. Magazines and Journals

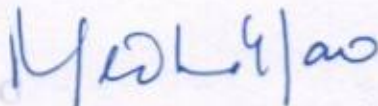
1. Asian Textiles
2. Journal of Natural Fibres
3. Colourage
4. Textile Trends
5. Asian Dye

d. Websites

1. <https://www.goodreads.com>
2. <http://www.techwhirl.com>

e. Other Electronic Resources

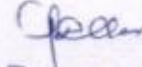

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RUAS Programme Structure and Course Details of M. Des. Fashion Design 2022-2023

Course Specifications: Digital Fashion Designing

Course Title	Digital Fashion Designing
Course Code	19FSD503B
Course Type	Core Theory and Laboratory Course
Department	Fashion Design
Faculty	Art and Design

1. Course Summary

This Course deals with various skills required for designing a textile product using computers. Students are taught techniques to create advanced illustrations and sketches. Students are trained to acquire relevant practical knowledge in developing different weave patterns, illustrate fashion sketches and develop new patterns for manufacturing of garment.

2. Course Size and Credits:

Number of Credits	04
Credit Structure (Lecture: Tutorial: Practical)	2:0:2
Total Hours of Interaction	100
Number of Weeks in a Semester	15
Department Responsible	Fashion Design
Total Course Marks	100
Pass Criterion	As per the Academic Regulations
Attendance Requirement	As per the Academic Regulations

3. Course Outcomes (COs)

After the successful completion of this course, the student will be able to:

- CO-1. Explain the role of computers in the field of Fashion Design
- CO-2. Create different types of weave patterns
- CO-3. Illustrate different boards, fashion croquis and develop new designs
- CO-4. Sketch different garments on fashion croquis
- CO-5. Apply pattern making Skills using CAD
- CO-6. Prepare Spec Sheet and cost sheet of a product

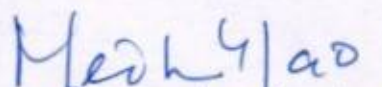

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4. Course Contents

Unit 1 (Introduction to computers in Weave Development): Concepts and process of creating designs for knitted, woven or printed Fabrics. Study of Surface design and applying Textures

Unit 2 (Creation of Different boards):– Mood Board, Accessory Board, Fabric Swatch Board, Inspiration Board, Client Board, Color Board, Trim Board

Unit 3 (Introduction to Sketching Software Use): of its Application in field of Fashion. Male and Female 8 Head, 10 Head, 12 head Croquis. Fashion figure sketching poses-Sitting, standing, Running.


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RUAS Programme Structure and Course Details of M. Des. Fashion Design 2022-2023

Unit 4 (Design Development): Motif Development, Pattern Development, Fabric Rendering, Garment Component Rendering

Unit 5 (Creating fashion accessories): like necklace, bracelet, anklets, ear ring, and head gear, creating tags and labels – Main label, Size label, Wash care label, Content label using CorelDraw

Unit 6 (Pattern Development): Introduction to pattern Making Software, Creation of Patterns using CAD, Spreading technologies, Marker making Efficiency using CAD, Cutting technologies used in Industry, Computers in Sewing and Computers in Quality Control and Packaging

Unit 7 (Garment Design and Simulation): 3D body scanning, Types of 3-D Body Scanning, 3-D Body Scanning in the Apparel Industry Linking Tradition with Technology, Mass Customization of Apparels, Virtual Try-on Solutions. Advanced 3D pattern design systems. Application of the MTM method (Made to Measure) for the production of individual and personalized garments

Unit 8: Creation of Different boards, Motif Development, Sketching of Fashion Croquis – Children's Wear, Women's Wear, Men's Wear, Casual, Formal, Sports Wear, Creating fashion accessories etc.

Unit 9 (Pattern Development): Children – Girls (A-line & yoke frock), Boys (shirt & shorts), Adults – Women's (top, skirt, gown), Men's (shirt, kurtha, trouser) Creation of Spec Sheet using Software – Fabric Details, Trims used, colors used, technical Sketches, Costing

5. Course Map (CO-PO-PSO Map)

	Programme Outcomes (POs)												Programme Specific Outcomes (PSOs)			
	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10	PO-11	PO-12	PSO-1	PSO-2	PSO-3	PSO-4
CO-1	2								2				1			2
CO-2	1			2	3				3	2		2	3	2		
CO-3	3		2		3				3	2		2	3	1		
CO-4	3		2	2	3				3	2		2	3	2		
CO-5	3	2		2	3				3	2		2	3	3	2	
CO-6	3		2	2	3				3	2		2	3	2	3	

3: Very Strong Contribution, 2: Strong Contribution, 1: Moderate Contribution

6. Course Teaching and Learning Methods

Teaching and Learning Methods	Duration in hours	Total Duration in Hours
Face to Face Lectures		10
Demonstrations		20
1. Demonstration using Videos	05	
2. Demonstration using Physical Models / Systems	00	
3. Demonstration on a Computer	15	
Numeracy		45
1. Solving Numerical Problems	00	
Practical Work		45
1. Course Laboratory		
2. Computer Laboratory	45	

RUAS Programme Structure and Course Details of M. Des. Fashion Design 2022-2023

3. Engineering Workshop / Course/Workshop / Kitchen	00	
4. Clinical Laboratory	00	
5. Hospital	00	
6. Model Studio	00	
Others		
1. Case Study Presentation	00	15
2. Guest Lecture	00	
3. Industry / Field Visit	03	
4. Brain Storming Sessions	00	
5. Group Discussions	12	
6. Discussing Possible Innovations	00	
Term Tests, Laboratory Examination/Written Examination, Presentations		10
Total Duration in Hours		100

7. Course Assessment and Reassessment

The details of the components and subcomponents of course assessment are presented in the Programme Specifications document pertaining to the M. Des. (Fashion Design) Programme. The procedure to determine the final course marks is also presented in the Programme Specifications document.

The evaluation questions are set to measure the attainment of the COs. In either component (CE or SEE) or subcomponent of CE (SC1, SC2, SC3 or SC4), COs are assessed as illustrated in the following Table.

Focus of Cos on each Component or Subcomponent of Evaluation				
Subcomponent ▶	Component 1: CE (50% Weightage)			Component 2: SEE (50% Weightage)
	SC1	SC2	SC3	
Subcomponent Type ▶	Assignment	Mid Term Examination	Assignment	100 Marks
Maximum Marks ▶	25	50	25	
CO-1		x		
CO-2		x		x
CO-3		x		x
CO-4		x	x	x
CO-5	x		x	x
CO-6	x		x	x

The details of SC1, SC2 or SC3 are presented in the Programme Specifications Document.

The Course Leader assigned to the course, in consultation with the Head of the Department, shall provide the focus of COs in each component of assessment in the above template at the beginning of the semester.

Course reassessment policies are presented in the Academic Regulations document.

8. Achieving COs

The following skills are directly or indirectly imparted to the students in the following teaching and learning methods:

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RUAS Programme Structure and Course Details of M. Des. Fashion Design 2022-2023

S. No	Curriculum and Capabilities Skills	How imparted during the course
1.	Knowledge	Classroom lectures
2.	Understanding	Classroom lectures
3.	Critical Skills	Assignment Submissions
4.	Analytical Skills	Classroom lectures, Examination and Creative Submissions
5.	Problem Solving Skills	Examination and Assignment Submissions
6.	Practical Skills	Laboratory and Assignment Submissions
7.	Group Work	Laboratory and Assignment Submissions
8.	Self-Learning	Assignment
9.	Written Communication Skills	Assignment Submissions and Examination
10.	Verbal Communication Skills	Assignment Submissions and Examination
11.	Presentation Skills	Presentation
12.	Behavioral Skills	Interaction with peers and tutors
13.	Information Management	Assignment Submissions, Examination and presentation
14.	Personal Management	Interaction and discipline
15.	Leadership Skills	Time management and achieving the learning outcomes

9. Course Resources

a. Essential Reading

1. Course notes
2. Colursy, M. K. (2011) Fashion Design on Computers. Prentice Hall

b. Recommended Reading

1. Radhakrishnan, R., Subramanyan, S. and Raju, V. (2010) CAD/CAM/CIM. New Age
2. Groover, M. P. and Zimmer, M. W. (2009) CAD/CAM Computer Aided Design & Manufacturing. Pearson Education Pub
3. Aldrich, W. (2004) CAD in Clothing & Textiles. Blackwell Science.
4. Chase, R. W. (1997) CAD for Fashion Design. Prentice Hall Pub.
5. Lois van Baarle (2018), The Sketchbook of Loish: Art in Progress, 3DTotal.com, c Illustrated.

c. Magazines and Journals

1. Journal of Textile and Apparel Technology Management
2. Journal of Cloth and Culture
3. International journal of Clothing Science and Technology

d. Websites

1. www.designersnexus.com
2. www.style.com/fashion

e. Other Electronic Resources

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RUAS Programme Structure and Course Details of M. Des. Fashion Design 2022-2023

Course Specifications: Apparel Style and Forecasting

Course Title	Apparel Style and Forecasting
Course Code	19FSD504B
Course Type	Core Theory and Laboratory Course
Department	Fashion Design
Faculty	Art and Design

1. Course Summary

The course deals with study of various Apparel styles and Forecasting. Students are taught about the different apparel styles, production, collections and creation based on trends. Students are also taught about applications of apparel trends and communication with innovative creation.

2. Course Size and Credits:

Number of Credits	04
Credit Structure (Lecture: Tutorial: Practical)	2:0:2
Total Hours of Interaction	100
Number of Weeks in a Semester	15
Department Responsible	Fashion Design
Total Course Marks	100
Pass Criterion	As per the Academic Regulations
Attendance Requirement	As per the Academic Regulations

3. Course Outcomes (COs)

After the successful completion of this course, the student will be able to:

- CO-1. Explain the design concepts, process and technologies in apparel Industry
- CO-2. Describe the market dynamics for apparels
- CO-3. Analyze the strategies for apparel promotion
- CO-4. Apply design concepts and construct the apparels based on styles and theme
- CO-5. Create an apparel advertising based on a theme and Forecast, Show case a window display based on the constructed apparel

4. Course Contents

Unit 1 (Introduction to Garment Construction): Introduction to garment construction. Nature and purpose of garment construction. History of garment construction. Readymade clothing and revolutionary periods. Study of varied garments as per culture, geography, occupation and occasion in India and world. Factors effecting while selection of garments

Unit 2 (Garment Design Concepts): Garment construction terminologies, tools and machineries, structural, decorative, haute couture designs, inspiration from nature, environment conditions,

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RUAS Programme Structure and Course Details of M. Des. Fashion Design 2022-2023

Situations, mythological stories and futuristic trends

Unit 3 (Study of Market Dynamics for Garments): trends, survey, case study, interview and observations. Apparel export promotion council – structure and its functions, Study on strength, weakness, opportunities and treats for garment construction and commercialization in India.

Unit 4 (Introspection on Designs): Introspection on urge for need based garment designs for the current situation. Analysis of present garment design for special category needs.

Unit 5 (Garment Design Plan): Garment design plan and illustration for vulnerable groups, power peoples and celebrities

Unit 6 (Practical's): Development of patterns by drafting, flat pattern or draping techniques for any four of the illustrated garment designs. Pattern layout and fabric estimation. Construction of three garments and demonstration of one garment by draping techniques. Garment fit analysis.

Unit 7 (Practical's): Plan of spec sheets for the constructed garment, plan of marketing techniques, customer sector, branding and market sustain plan. Design and construction of sustainable innovative garment for forthcoming decades based on current advancement in technology, buying trends and needs.

5. Course Map (CO-PO-PSO Map)

	Programme Outcomes (POs)												Programme Specific Outcomes (PSOs)			
	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10	PO-11	PO-12	PSO-1	PSO-2	PSO-3	PSO-4
CO-1	3		2		2								3			
CO-2			1											2	2	1
CO-3	1		2												3	1
CO-4	2		2		3								1	2	1	1
CO-5	1	1	2		2									2	2	2

3: Very Strong Contribution, 2: Strong Contribution, 1: Moderate Contribution

6. Course Teaching and Learning Methods

Teaching and Learning Methods	Duration in hours	Total Duration in Hours
Face to Face Lectures		20
Demonstrations		05
1. Demonstration using Videos	05	
2. Demonstration using Physical Models / Systems	00	
3. Demonstration on a Computer	00	
Numeracy		
1. Solving Numerical Problems	00	
Practical Work		50
1. Course Laboratory	50	
2. Computer Laboratory	00	
3. Engineering Workshop / Course/Workshop / Kitchen	00	
4. Clinical Laboratory	00	

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RUAS Programme Structure and Course Details of M. Des. Fashion Design 2022-2023

5. Hospital	00	
6. Model Studio	00	
Others		15
1. Case Study Presentation	00	
2. Guest Lecture	00	
3. Industry / Field Visit	00	
4. Brain Storming Sessions	00	
5. Group Discussions	06	
6. Discussing Possible Innovations	09	
Term Tests, Laboratory Examination/Written Examination, Presentations		10
Total Duration in Hours		100

7. Course Assessment and Reassessment

The details of the components and subcomponents of course assessment are presented in the Programme Specifications document pertaining to the M. Des. (Fashion Design) Programme. The procedure to determine the final course marks is also presented in the Programme Specifications document.

The evaluation questions are set to measure the attainment of the COs. In either component (CE or SEE) or subcomponent of CE (SC1, SC2, SC3 or SC4), COs are assessed as illustrated in the following Table.

Focus of Cos on each Component or Subcomponent of Evaluation				
Subcomponent ▶	Component 1: CE (50% Weightage)			Component 2: SEE (50% Weightage)
	SC1	SC2	SC3	
Subcomponent Type ▶	Assignment	Mid Term Examination	Assignment	100 Marks
Maximum Marks ▶	25	50	25	
CO-1		x		x
CO-2		x		x
CO-3		x		x
CO-4	x	x	x	x
CO-5	x		x	x

The details of SC1, SC2 or SC3 are presented in the Programme Specifications Document.

The Course Leader assigned to the course, in consultation with the Head of the Department, shall provide the focus of COs in each component of assessment in the above template at the beginning of the semester.

Course reassessment policies are presented in the Academic Regulations document.

8. Achieving COs

The following skills are directly or indirectly imparted to the students in the following teaching and learning methods:

S. No	Curriculum and Capabilities Skills	How imparted during the course
1.	Knowledge	Classroom lectures
2.	Understanding	Classroom lectures, Self-study
3.	Critical Skills	Assignment
4.	Analytical Skills	Assignment

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RUAS Programme Structure and Course Details of M. Des. Fashion Design 2022-2023

5.	Problem Solving Skills	Assignment, Examination
6.	Practical Skills	Assignment, Examination
7.	Group Work	--
8.	Self-Learning	Self-study
9.	Written Communication Skills	Assignment, Examination
10.	Verbal Communication Skills	--
11.	Presentation Skills	--
12.	Behavioral Skills	--
13.	Information Management	Assignment
14.	Personal Management	--
15.	Leadership Skills	--

9. Course Resources

a. Essential Reading

1. Course notes
2. Brannon, E. L. and Divita, L. R. (2015) Fashion Forecasting Bloomsbury Academic

b. Recommended Reading

1. Shaw, D. & Koumbis, D. (2014) Fashion Buying From Trend Forecasting to Shop Floor, Bloomsbury Academia
2. Kim, E., Fiore, A. M., and Kim, H. (2013) Fashion Trends: Analysis and Forecasting Understanding Fashion. Illustrated
3. Martin, R. (2010) Trend Forecaster's Handbook. Laurence King Publishing

c. Magazines and Journals

1. Journal of Textile and fashion
2. Journal of Cloth and Culture
3. Fashion Culture
4. Apparel Views
5. Vogue

d. Websites

1. www.designersnexus.com
2. www.style.com/fashion

e. Other Electronic Resources

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RUAS Programme Structure and Course Details of M. Des. Fashion Design 2022-2023

Course Specifications: Research Methodology

Course Title	Research Methodology
Course Code	19HST501B
Course Type	Core Theory Course
Department	Fashion Design
Faculty	Art and Design

1. Course Summary

This Course deals with the principles of research, research methodology and significant phases of research. Students are taught the significant role of Literature Review in a research cycle and the expectations from good literature review as well as procedure for systematic literature review. The essential aspects of technical communication to develop desirable writing skills for the preparation of research document including research paper as well as the skills for an effective presentation are also discussed. The Course also emphasizes the desirable close knit relation between innovation and concept of out of the box thinking. Students will get an insight into the privilege, honour and the associated responsibilities of a researcher.

2. Course Size and Credits:

Number of Credits	02
Credit Structure (Lecture: Tutorial: Practical)	2:0:0
Total Hours of Interaction	40
Number of Weeks in a Semester	15
Department Responsible	Fashion Design
Total Course Marks	50
Pass Criterion	As per the Academic Regulations
Attendance Requirement	As per the Academic Regulations

3. Course Outcomes (COs)

After the successful completion of this course, the student will be able to:

- CO-1. Describe the value, scope, relevance and mandatory steps of research as well as principles of effective research
- CO-2. Discuss the application and utility of the Systematic approach and out of box thinking concepts for research to be effective
- CO-3. Discuss the procedures outlined for a systematic Literature Review
- CO-4. Analyse and prepare well-structured research proposal and research paper invoking clearly outlined principles
- CO-5. Identify and apply the essential skills desirable for an effective technical presentation

4. Course Contents

Unit 1 (Foundations of Research): Definitions of Research, Mandatory Steps in Research, and Types of Research, Relevance of Research for Innovation and Technology Development, Effective Research and Self Discipline

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RUAS Programme Structure and Course Details of M. Des. Fashion Design 2022-2023

Unit 2 (Out of the Box Thinking and Systematic approach in Research): Transformation to Impossible Thinking, Convergent and Divergent Thinking, Generation, Evaluation and Selection of Ideas

Unit 3 (Literature Review): Importance of Literature Review, Constituents of Good Literature Review, Strategies for Literature Search, Referencing, Paraphrasing, and Summarizing Academic Standards and Ethics

Unit 4 (Statistical Methods and Data Analysis): Types of data, Data Representation, Sampling Design, Data Collection Methods, Overview of Data Analysis Techniques.

Unit 5 (Technical Communication): Research Paper for Publication- Significance of Problem Statement and its scope, Formulation of Hypothesis, Adequacy of Methodology, Significance of Presentation and Discussion of Results, Relevance and Importance of references.

Unit 6 (Effective Presentation): Preparation, Templates, Balance between Good Design and Good Content, Planning and Sequencing, PAMPERS (Projection, Articulation, Modulation, Punctuation, Enunciation, Repetition and Speed) rule, PEOPLE (Position & Gestures, Eye Contact, Orientation, Proximation, Looks & Appearance, and Expressions & Emotion) rule, 4P's Rule (Plan, Prepare, Practice and Present), Essentials of Effectiveness, Effective Pausing and Inclusive Answering

Unit 7 (Research Proposal): Structure of a Good Research Proposal, Getting Started, and Tips for Compilation of Good Research Proposal.

5. Course Map (CO-PO-PSO Map)

	Programme Outcomes (POs)												Programme Specific Outcomes (PSOs)				
	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10	PO-11	PO-12	PSO-1	PSO-2	PSO-3	PSO-4	
CO-1				1													
CO-2		2										1					
CO-3				1													
CO-4										3					1		1
CO-5										3							1

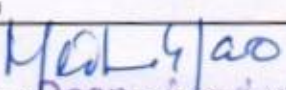
3: Very Strong Contribution, 2: Strong Contribution, 1: Moderate Contribution

6. Course Teaching and Learning Methods

Teaching and Learning Methods	Duration in hours	Total Duration in Hours
Face to Face Lectures		26
Demonstrations		00
1. Demonstration using Videos	00	
2. Demonstration using Physical Models / Systems	00	
3. Demonstration on a Computer	00	00
Numeracy		
1. Solving Numerical Problems	00	00
Practical Work		
1. Course Laboratory	00	
2. Computer Laboratory	00	
3. Engineering Workshop / Course/Workshop / Kitchen	00	

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RUAS Programme Structure and Course Details of M. Des. Fashion Design 2022-2023

4. Clinical Laboratory	00	
5. Hospital	00	
6. Model Studio	00	
Others		
1. Case Study Presentation	04	04
2. Guest Lecture	00	
3. Industry / Field Visit	00	
4. Brain Storming Sessions	00	
5. Group Discussions	00	
6. Discussing Possible Innovations	00	
Term Tests, Laboratory Examination/Written Examination, Presentations		10
Total Duration in Hours		40

7. Course Assessment and Reassessment

The details of the components and subcomponents of course assessment are presented in the Programme Specifications document pertaining to the M. Des. (Fashion Design) Programme. The procedure to determine the final course marks is also presented in the Programme Specifications document.

The evaluation questions are set to measure the attainment of the COs. In either component (CE or SEE) or subcomponent of CE (SC1, SC2, SC3 or SC4), COs are assessed as illustrated in the following Table.

Focus of Cos on each Component or Subcomponent of Evaluation			
Subcomponent▶	Component 1: CE (50% Weightage)		Component 2: SEE (50% Weightage)
	SC1	SC2	
Subcomponent Type ▶	Midterm Examination	Assignment	50 Marks
Maximum Marks▶	25	25	
CO-1	x		
CO-2	x		x
CO-3	x		x
CO-4		x	x
CO-5		x	x

The details of SC1 and SC2 are presented in the Programme Specifications Document.

The Course Leader assigned to the course, in consultation with the Head of the Department, shall provide the focus of COs in each component of assessment in the above template at the beginning of the semester.

Course reassessment policies are presented in the Academic Regulations document.

8. Achieving COs

The following skills are directly or indirectly imparted to the students in the following teaching and learning methods:

S. No	Curriculum and Capabilities Skills	How imparted during the course
1.	Knowledge	Classroom lectures
2.	Understanding	Classroom lectures, Self-study
3.	Critical Skills	Assignment
4.	Analytical Skills	Assignment

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RUAS Programme Structure and Course Details of M. Des. Fashion Design 2022-2023

5.	Problem Solving Skills	Assignment, Examination
6.	Practical Skills	Assignment
7.	Group Work	--
8.	Self-Learning	Self-study
9.	Written Communication Skills	Assignment, Examination
10.	Verbal Communication Skills	--
11.	Presentation Skills	--
12.	Behavioral Skills	--
13.	Information Management	Assignment
14.	Personal Management	--
15.	Leadership Skills	--

9. Course Resources

a. Essential Reading

1. Course notes
2. Booth, Colomb and Williams. (2005) The Craft of Research, Chicago University Press

b. Recommended Reading

1. Willium and Trochim (2003) Research Methods, 2nd Edition, Biztantra Publications
2. Grix (2004) The Foundation of Research, Palgrave Study Guides
3. Gina (2001) The Post Graduate Research Handbook, Palgrave Study Guides
4. Rugg and Petre (2004) The Unwritten Rules of Ph.D. research, Open University Press

c. Magazines and Journals

1. International Journal of Social Research Methodology, United Kingdom
2. Research Methodology in Strategy and Management, Netherlands
3. Health Services and Outcomes Research Methodology, Netherlands
4. BMC Medical Research Methodology, United Kingdom

d. Websites

1. www.pnas.org
2. www.ccrm.in

e. Other Electronic Resources

1. E-Book on Six Thinking Hats by Edward de Bono
2. E-Book on Thinking Fast and Slow by Daniel Kahneman

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RUAS Programme Structure and Course Details of M. Des. Fashion Design 2022-2023

Course Specifications: Skill Enhancement Course - 1

Course Title	Skill Enhancement Course - 1
Course Code	19SEM501B
Course Type	Core Practical Course
Department	Fashion Design
Faculty	Art and Design

1. Course Summary

The aim of this course is to provide opportunity for skill enhancement through exploration, practice and academic reflection catering to individual curiosity, ability and new learnings. The students may choose to participate in any one of the following,

- Art and Design exhibitions and shows
- National & International design competition
- Field / Industrial visit
- Fashion Show
- Mooc Course

2. Course Size and Credits:

Number of Credits	02
Credit Structure (Lecture: Tutorial: Practical)	0:0:2
Total Hours of Interaction	70
Number of Weeks in a Semester	15
Department Responsible	Fashion Design
Total Course Marks	50
Pass Criterion	As per the Academic Regulations
Attendance Requirement	As per the Academic Regulations

3. Course Outcomes (COs)

After the successful completion of this course, the student will be able to:

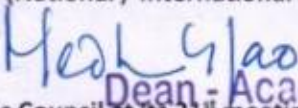
- CO-1. Synthesize the challenges and objectives of the chosen task
- CO-2. Discuss the effectiveness of the task performed
- CO-3. Prepare effective presentations to communicate ideas / concepts / new learnings

4. Course Contents

Unit 1 (Art and Design Exhibitions and Shows): Participate in Art and Design exhibitions and shows in the creative field of study. Exhibitions and shows may involve a physical exhibit in the form of displays / poster / model / video and such other art work

- **Unit 2 (National / International Design Competition):** Participate in any National /


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RUAS Programme Structure and Course Details of M. Des. Fashion Design 2022-2023

International design competition relevant to the creative field of study. National / International design competition may involve a physical exhibit in the form of displays / poster / model / video and such other art work

Unit 3 (Fashion shows): Participate in Fashion exhibitions and shows in the creative field of study. Exhibitions and shows may involve a physical exhibit in the form of displays / poster / model / video and such other art work

- **Unit 4 (Field / Industrial visit):** Visit industry / field in the creative field of study Capturing / Studying / Understanding the essence & system of the place of the study
-
- **Unit 5 (Mooc Course):** Enroll in any Mooc Courses in the creative field of study
Mooc Course may involve acquiring knowledge and upgrading skill in any chosen field of study

5. Course Map (CO-PO-PSO Map)

	Programme Outcomes (POs)												Programme Specific Outcomes (PSOs)			
	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10	PO-11	PO-12	PSO-1	PSO-2	PSO-3	PSO-4
CO-1			1		1	1			2	2		1	1		2	1
CO-2	1		1		1	1	1		2			1			2	1
CO-3									2	3		1		1	2	3
CO-4																
CO-5																

3: Very Strong Contribution, 2: Strong Contribution, 1: Moderate Contribution

6. Course Teaching and Learning Methods

Teaching and Learning Methods	Duration in hours	Total Duration in Hours
Face to Face Lectures		00
Demonstrations		00
1. Demonstration using Videos	00	
2. Demonstration using Physical Models / Systems	00	
3. Demonstration on a Computer	00	
Numeracy		00
1. Solving Numerical Problems	00	
Practical Work		00
1. Course Laboratory	00	
2. Computer Laboratory	00	
3. Engineering Workshop / Course/Workshop / Kitchen	00	
4. Clinical Laboratory	00	
5. Hospital	00	
6. Model Studio	00	

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RUAS Programme Structure and Course Details of M. Des. Fashion Design 2022-2023

Others		60
1. Case Study Presentation/ Exhibition / Design Competition / Field work / Mooc Course	60	
2. Guest Lecture	00	
3. Industry / Field Visit	00	
4. Brain Storming Sessions	00	
5. Group Discussions	00	
6. Discussing Possible Innovations	00	
Term Tests, Laboratory Examination/Written Examination, Presentations		10
Total Duration in Hours		70

7. Course Assessment and Reassessment

The details of the components and subcomponents of course assessment are presented in the Programme Specifications document pertaining to the M. Des. (Fashion Design) Programme. The procedure to determine the final course marks is also presented in the Programme Specifications document.

The evaluation questions are set to measure the attainment of the COs. In either component (CE or SEE) COs are assessed as illustrated in the following Table.

Focus of COs on each Component or Subcomponent of Evaluation	
	Component 2: SEE (50% Weightage)
Subcomponent ▶	
Subcomponent Type ▶	
Maximum Marks ▶	50 Marks
CO-1	x
CO-2	x
CO-3	x

The Course Leader assigned to the course, in consultation with the Head of the Department, shall provide the focus of COs in each component of assessment in the above template at the beginning of the semester.

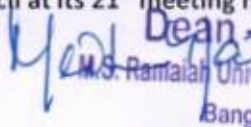
Course reassessment policies are presented in the Academic Regulations document.

8. Achieving COs


The following skills are directly or indirectly imparted to the students in the following teaching and learning methods:

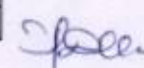
S. No	Curriculum and Capabilities Skills	How imparted during the course
1.	Knowledge	Classroom lectures
2.	Understanding	Classroom lectures, Self-study
3.	Critical Skills	Assignment
4.	Analytical Skills	Assignment
5.	Problem Solving Skills	Assignment, Examination
6.	Practical Skills	Assignment
7.	Group Work	--
8.	Self-Learning	Self-study

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RUAS Programme Structure and Course Details of M. Des. Fashion Design 2022-2023

9.	Written Communication Skills	Assignment, Examination
10.	Verbal Communication Skills	--
11.	Presentation Skills	--
12.	Behavioral Skills	--
13.	Information Management	Assignment
14.	Personal Management	--
15.	Leadership Skills	--

9. Course Resources

- a. Essential Reading
- b. Recommended Reading
- c. Magazines and Journals
- d. Websites
- e. Other Electronic Resources

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RUAS Programme Structure and Course Details of M. Des. Fashion Design 2022-2023

Course Specifications: Fashion Photography and Visual Merchandising

Course Title	Fashion Photography and Visual Merchandising
Course Code	19FSD505B
Course Type	Core Theory and Laboratory Course
Department	Fashion Design
Faculty	Art and Design

1. Course Summary

This Course deals with various skills required for a fashion photographer with knowledge of Visual Merchandising. Students are also trained on the basic settings in photography, process of photography and precautions to be taken during fashion photo shoots. Students are taught to create photo portfolio by taking photographs based on theme selected. The students are taught the display strategy, strategic planning and classification of displays in visual merchandising. Students are trained to use different techniques of patterns, displays, lightings and music to be made in a store for promotion of a fashion product.

2. Course Size and Credits:

Number of Credits	04
Credit Structure (Lecture: Tutorial: Practical)	2:0:2
Total Hours of Interaction	100
Number of Weeks in a Semester	15
Department Responsible	Fashion Design
Total Course Marks	100
Pass Criterion	As per the Academic Regulations
Attendance Requirement	As per the Academic Regulations

3. Course Outcomes (COs)

After the successful completion of this course, the student will be able to:

- CO-1. Design the process of photography in fashion shows
- CO-2. Analyze the difference between outdoor and indoor photography in terms of lighting equipment and techniques
- CO-3. Create a fashion catalogue using the photographs taken during the fashion show
- CO-4. Describe the importance and elements of visual merchandising
- CO-5. Analyze and suggest the display strategy for a given scenario
- CO-6. Develop and implement creative design for a given merchandise

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RUAS Programme Structure and Course Details of M. Des. Fashion Design 2022-2023

4. Course Contents

Unit 1 (Introduction to Photography): Types of photography - Photography Techniques and Equipment for different fields -Modeling- Newspaper -Magazines - Occasions -Fashion Shows

Unit 2 (Lighting and Photography): Lighting ratio and the effects of soft and hard light. Lighting methods: high key, glamour shots, mood shots. Styling and makeup for fashion and glamour photography. Trends In Photography: Photography using digital cameras video photography, image mixing, application of computers in photography, printing techniques

Unit 3 (Indoor Photography): needs and methods, lighting techniques methods and equipment. Studio fashion shoot with model and full-length shots. Outdoor photography: needs and methods, lighting techniques methods and equipment. Outdoor fashion shoot, shooting with natural light. Methods used to modify lighting on location. Comparison of Outdoor Photography by with Indoor photography.

Unit 4 (Elements and Principles of Design in Visual Merchandise): Introduction, objective, design elements- color, texture, line; Principles - balance, emphasis, proportion, rhythm, repetition.

Unit 5 (Display and Display Settings): Types of display, one – item, line of goods, related merchandise, assortment, promotional vs. institutional; Type of display settings - realistic, environmental, semi-realistic, fantasy and abstract. Light and its impact on color: Importance, Types - primary lighting, secondary lighting, colored lights and filters and planning store lighting. Mannequin: Types of mannequins - realistic, semi realistic, abstract, semi abstract, headless; dressing up of mannequin.

Unit 6 (Attention Drawing Devices): attention drawing devices, color, lighting, line and composition. Scale, contrast, repetition, humor, mirrors, nostalgia, motion, surprise and shock and props.

Unit 7 Practical/Laboratory Content

(Creation of catalogues and portfolio): using Fashion photography

Unit 8 Practical/Laboratory Content

(Preparation of a portfolio): with 4 shoots based on theme- Hair and makeup - clothing- lighting- angle- post processing- final effect

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5. Course Map (CO-PO-PSO Map)

	Programme Outcomes (POs)												Programme Specific Outcomes (PSOs)			
	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10	PO-11	PO-12	PSO-1	PSO-2	PSO-3	PSO-4
CO-1	3		3						1	3				3	3	1
CO-2	2		3		3				1	3				2	3	1
CO-3	3		3		3				1	3				3	3	1
CO-4	3	3	3						1	3				3	3	1
CO-5	3	3	3						1	3				3	3	1
CO-6	3	3	3						1	3				3	3	1

3: Very Strong Contribution, 2: Strong Contribution, 1: Moderate Contribution

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RUAS Programme Structure and Course Details of M. Des. Fashion Design 2022-2023

6. Course Teaching and Learning Methods

Teaching and Learning Methods	Duration in hours	Total Duration in Hours
Face to Face Lectures		10
Demonstrations		20
1. Demonstration using Videos	05	
2. Demonstration using Physical Models / Systems	09	
3. Demonstration on a Computer	06	
Numeracy		
1. Solving Numerical Problems	00	
Practical Work		45
1. Course Laboratory	25	
2. Computer Laboratory	20	
3. Engineering Workshop / Course/Workshop / Kitchen	00	
4. Clinical Laboratory	00	
5. Hospital	00	
6. Model Studio	00	
Others		15
Assignment Discussion / Related Activities	03	
2. Case Study Presentation	00	
3. Guest Lecture	00	
4. Industry/Field Visit	00	
5. Brain Storming Sessions	00	
6. Group Discussions	12	
7. Discussing Possible Innovations	00	
Student Presentation, Laboratory Examination, Written Examination		10
Total Duration in Hours		100

7. Course Assessment and Reassessment

The details of the components and subcomponents of course assessment are presented in the Programme Specifications document pertaining to the B. Des. (Fashion Design) Programme. The procedure to determine the final course marks is also presented in the Programme Specifications document.

The evaluation questions are set to measure the attainment of the COs. In either component (CE or SEE) or subcomponent of CE (SC1, SC2, SC3 or SC4), COs are assessed as illustrated in the following Table.

Focus of Cos on each Component or Subcomponent of Evaluation				
Subcomponent	Component 1: CE (50% Weightage)			Component 2: SEE (50% Weightage)
	SC1	SC2	SC3	
Subcomponent Type	Assignment, Quiz	Mid Term Examination	Assignment, presentation	100 Marks
Maximum Marks	25	50	25	
CO-1	X	X		X
CO-2	X	X		X
CO-3	X	X	X	X
CO-4	X	X	X	X
CO-5			X	

RUAS Programme Structure and Course Details of M. Des. Fashion Design 2022-2023

CO-6	X	X	X
The details of SC1, SC2 or SC3 are presented in the Programme Specifications Document.			

The Course Leader assigned to the course, in consultation with the Head of the Department, shall provide the focus of COs in each component of assessment in the above template at the beginning of the semester.

Course reassessment policies are presented in the Academic Regulations document.

8. Achieving COs

The following skills are directly or indirectly imparted to the students in the following teaching and learning methods:

S. No	Curriculum and Capabilities Skills	How imparted during the course
1.	Knowledge	Class room lectures and laboratory instructions
2.	Understanding	Class room lectures, laboratory instructions and demonstrations
3.	Critical Skills	Creative Work Submission
4.	Analytical Skills	Class room, laboratory, Creative Work Submission
5.	Problem Solving Skills	Laboratory, Creative Work Submission
6.	Practical Skills	Laboratory, Creative Work Submission
7.	Group Work	Creative Work Submission, laboratory
8.	Self-Learning	Creative Work Submission
9.	Written Communication Skills	Creative Work Submission, Examination
10.	Verbal Communication Skills	Presentation
11.	Presentation Skills	Presentation
12.	Behavioral Skills	Course
13.	Information Management	Creative Work Submission, examination, laboratory, presentation
14.	Leadership Skills	Effective management of learning, time management, achieving the learning outcomes

9. Course Resources

a. Essential Reading

1. Class Notes
2. John, H. (2003) The new manual of Photography. Revised Ed. DK Publishers.
3. Bailey, S. and Baker, J. (2014) Visual Merchandising for Fashion. Bloomsbury Publishing

b. Recommended Reading

1. Sandra, K. and Myrna, G. B. (2012) Beyond Design. 3rd Ed. Bloomsbury Publishing India Pvt Ltd
2. Bryan, P. (2010) Understanding Exposure: How to Shoot Great Photographs with Any Camera. 3rd Ed. Amphoto Books Publishers

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3. Tom, A. (2008) Digital Photography Master Class. AVA publishers
4. Ebster, C. and Garaus, M. (2011) Store Design and Visual Merchandising: Creating Store Space That Encourages. Business express press
5. Grose, V. (2011) Basics Fashion Management 01: Fashion Merchandising. Fairchild Books Publisher
6. Balla, S. and Anuraag, S. (2010) Visual Merchandising. Tata McGraw hill Education Pvt. Ltd
7. Wolfe, M. (2008) Fashion Marketing & Merchandising. 2nd Ed. Good heart-Will cox Publisher

c. Magazines and Journals

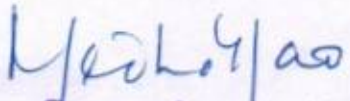
1. InStyle, Time Inc, US
2. Fashion, St. Joseph Media, Canada
3. Fashion theory, Bloomsbury Publications, UK

d. Websites

1. www.designersnexus.com
2. www.style.com/fashion

e. Other Electronic Resources

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RUAS Programme Structure and Course Details of M. Des. Fashion Design 2022-2023

Course Specifications: Smart and Innovative Fashion

Course Title	Smart and Innovative Fashion
Course Code	19FSD506B
Course Type	Core Theory and Laboratory Course
Department	Fashion Design
Faculty	Art and Design

1. Course Summary

This Course deals with the study of smart and Innovative Fashion. Students are taught concepts of form on innovative apparel designing, advanced technological developments involved in smart fashion apparel designing and production. Students are also trained to acquire relevant theoretical and practical knowledge, understanding the concepts, Innovative idea creation needed for development of smart and innovative fashion manufacturing, IPR protection to meet the needs of society and Industry.

2. Course Size and Credits:

Number of Credits	04
Credit Structure (Lecture: Tutorial: Practical)	2:0:2
Total Hours of Interaction	100
Number of Weeks in a Semester	15
Department Responsible	Fashion Design
Total Course Marks	100
Pass Criterion	As per the Academic Regulations
Attendance Requirement	As per the Academic Regulations

3. Course Outcomes (COs)

After the successful completion of this course, the student will be able to:

- CO-1. Explain the smart fashionable apparel designing with surface embellishments and accessories for different sectors
- CO-2. Describe smart clothing as expression, comfort and functionality
- CO-3. Discuss the importance of IPR protection and patents for smart innovative fashionable apparels
- CO-4. Analyse the materials, technologies and design process for smart apparels
- CO-5. Create of smart and innovative Surface embellishments on fashion apparels, Plan and execute strategy for fashion related events/ boutique/ Apparel units

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RUAS Programme Structure and Course Details of M. Des. Fashion Design 2022-2023

4. Course Contents

Unit 1 (Smart Wearable's): Introduction to smart wearable's Historic development of smart clothing, Smart fashion clothing and accessories for different sectors- sports, geo, agro, submarine, space, defense, air craft, medical etc. Explanation on Smart and innovative Surface embellishments on fashion apparels – dyeing, printing, finishing, embroidery, decorative garment construction aspects frills, pleats, tucks, smocking, cut, applique work, trimmings, fasteners, accessories etc.

Unit 2 (Smart Clothing): Smart clothing for- individual and mass, communication and expression, image and status building, psychological and sociological aspects. Functional apparel development process, Colour changing fashion clothing, built in sensor apparels, self-cleaning, aromatic, fire proof, cosmo textiles for varied end use.

Unit 3 (Analysis and Review of the End-user's Requirements): Technologies and materials available for the design and production of smart innovative Fashion Apparels. Design process - fibre selection, yarn making, fabric weaving, garment construction and launch. Merits and demerits for designing smart innovative fashionable apparels.

Unit 4 (Evaluation of Smart Intelligent Fashion Apparels): Relationship between designer, consumer needs and purpose, function and affordability, justifying the performance of the smart apparels and accessories. Potential market size and opportunities, global market trends, Value chain analysis.

Unit 5 (IPR for Smart Fashion Apparels): - Design protection and rights, type of IP protection, trademarks, copy rights, trade secrets and new business models, patent management and protection. Geographical indications and traditional knowledge of textiles, fashion and others. General process for an application, Commercialization, Indian textile and apparel segments, Fashion Design Council of India (FDCI).

Unit 6 (Practical's): Creation of smart and innovative Surface embellishments on fashion apparels by applying – dyeing, printing, finishing, embroidery, decorative garment construction aspects frills, pleats, tucks, smocking, cut, applique work, trimmings, fasteners and accessories.

Unit 7 (Practical's): Innovations in working on films, television programs, stage shows, conceptualizing and organizing the photo shoots, Organizing glamour events and fashion shows, public speaking/comparing, working backstage.

5. Course Map (CO-PO-PSO Map)

	Programme Outcomes (POs)												Programme Specific Outcomes (PSOs)			
	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10	PO-11	PO-12	PSO-1	PSO-2	PSO-3	PSO-4
CO-1	2		1										2			
CO-2	2		1										2	2		
CO-3	1	1	1										1	1	2	1
CO-4	1	2	1											1	3	1
CO-5	1	2	2		2				2				1	3	1	1

3: Very Strong Contribution, 2: Strong Contribution, 1: Moderate Contribution

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RUAS Programme Structure and Course Details of M. Des. Fashion Design 2022-2023

6. Course Teaching and Learning Methods

Teaching and Learning Methods	Duration in hours	Total Duration in Hours
Face to Face Lectures		25
Demonstrations		05
1. Demonstration using Videos	05	
2. Demonstration using Physical Models / Systems	00	
3. Demonstration on a Computer	00	
Numeracy		00
1. Solving Numerical Problems	00	
Practical Work		50
1. Course Laboratory	50	
2. Computer Laboratory	00	
3. Engineering Workshop / Course/Workshop / Kitchen	00	
4. Clinical Laboratory	00	
5. Hospital	00	
6. Model Studio	00	
Others		10
1. Case Study Presentation	05	
2. Guest Lecture	00	
3. Industry / Field Visit	00	
4. Brain Storming Sessions	00	
5. Group Discussions	03	
6. Discussing Possible Innovations	03	
Term Tests, Laboratory Examination/Written Examination, Presentations		10
Total Duration in Hours		100

7. Course Assessment and Reassessment

The details of the components and subcomponents of course assessment are presented in the Programme Specifications document pertaining to the M. Des. (Fashion Design) Programme. The procedure to determine the final course marks is also presented in the Programme Specifications document.

The evaluation questions are set to measure the attainment of the COs. In either component (CE or SEE) or subcomponent of CE (SC1, SC2, SC3 or SC4), COs are assessed as illustrated in the following Table.

Focus of Cos on each Component or Subcomponent of Evaluation				
Subcomponent	Component 1: CE (50% Weightage)			Component 2: SEE (50% Weightage)
	SC1	SC2	SC3	
Subcomponent Type	Assignment, Quiz	Mid Term Examination	Assignment, presentation	100 Marks
Maximum Marks	25	50	25	
CO-1		x		x
CO-2		x		x
CO-3		x	x	x
CO-4	x	x	x	x
CO-5	x		x	x

The details of SC1, SC2 or SC3 are presented in the Programme Specifications Document.

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RUAS Programme Structure and Course Details of M. Des. Fashion Design 2022-2023

The Course Leader assigned to the course, in consultation with the Head of the Department, shall provide the focus of COs in each component of assessment in the above template at the beginning of the semester.

Course reassessment policies are presented in the Academic Regulations document.

8. Achieving COs

The following skills are directly or indirectly imparted to the students in the following teaching and learning methods:

S. No	Curriculum and Capabilities Skills	How imparted during the course
1.	Knowledge	Classroom lectures
2.	Understanding	Classroom lectures, Self-study
3.	Critical Skills	Assignment
4.	Analytical Skills	Assignment
5.	Problem Solving Skills	Assignment, Examination
6.	Practical Skills	Assignment, Examination
7.	Group Work	--
8.	Self-Learning	Self-study
9.	Written Communication Skills	Assignment, Examination
10.	Verbal Communication Skills	--
11.	Presentation Skills	--
12.	Behavioral Skills	--
13.	Information Management	Assignment
14.	Personal Management	--
15.	Leadership Skills	--

9. Course Resources

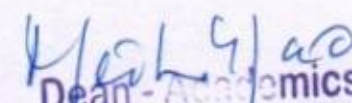
a. Essential Reading

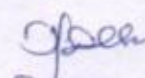
1. Course notes
2. Bryson and Jane Mccann, (2009), Smart Clothes and Wearable Technology, 1st edition, Wood head Publishing Ltd.

b. Recommended Reading

1. Carr H. & Latham, B., (1984) The Technology of Clothing Manufacture, Blackwell Scientific Publication
2. Cooklin. G., (2000) Introduction to Clothing Manufacture, Blackwell Scientific Publication
3. Armstrong, Joseph, H., (2000) Pattern Making for Fashion Design, 4th Ed. Pearson
4. Hilde, J., Relic. N., (1993) Draping for Fashion Design, New Jersey, Fashion Institute of Technology
5. Armstrong, Helen Joseph., (2000) Pattern Making for Fashion Design, 4th. Ed. Pearson
6. Brown, Patty, Janett, R. (1998) Ready to Wear Apparel Analysis, (2nd Edition), Prentice Hall


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RUAS Programme Structure and Course Details of M. Des. Fashion Design 2022-2023

c. Magazines and Journals

1. Journal of Textile and Apparel Technology Management
2. Journal of Cloth and Culture
3. International journal of Clothing Science and Technology
4. Home Textiles Today

d. Websites

1. www.designersnexus.com
2. www.style.com/fashion

e. Other Electronic Resources


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RUAS Programme Structure and Course Details of M. Des. Fashion Design 2022-2023

Course Specifications: Fashion Design for Environment and Sustainability

Course Title	Fashion Design for Environment and Sustainability
Course Code	19FSD507B
Course Type	Core Theory Course
Department	Fashion Design
Faculty	Art and Design

1. Course Summary

This Course deals with the study of Environment and Sustainability in Fashion design. Students are taught various environmental pollutions caused in the industry. Students are also taught various textile processes, pollutions and effluent treatments inherent in textile industry. Students are taught eco-friendly processes, social issues concerned with environment and fashion industry.

2. Course Size and Credits:

Number of Credits	04
Credit Structure (Lecture: Tutorial: Practical)	4:0:0
Total Hours of Interaction	70
Number of Weeks in a Semester	15
Department Responsible	Fashion Design
Total Course Marks	100
Pass Criterion	As per the Academic Regulations
Attendance Requirement	As per the Academic Regulations

3. Course Outcomes (COs)

After the successful completion of this course, the student will be able to:

- CO-1. Explain the various environmental pollutions their causes, effects and control measures
- CO-2. Explain the various textile process in textile industry and the pollutants of the process
- CO-3. Explain the characteristics and treatment methods of effluents emerging from textile and fashion industry
- CO-4. Discuss the eco-friendly alternatives adapted in textile and garment industry
- CO-5. Discuss the social issues concerned with environment and fashion industry
- CO-6. Discuss the responsibilities of government and non-governmental organization in addressing the issues of environmental pollution

4. Course Contents

Unit 1 (Environmental Pollution): Causes, effects and control measures of air pollution, water pollution, soil pollution, and noise pollution with specific reference to textile industry. Solid waste management

Unit 2 (Textile Processes and Pollutions): Fibre, yarn and fabric production and processing. German ban on toxic dyes, chemicals and auxiliaries. Concept of Eco-Labeling

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RUAS Programme Structure and Course Details of M. Des. Fashion Design 2022-2023

Unit 3 (Effluent Treatment): Characteristics of textiles processing effluents. Flow chart of effluent treatment processes. Primary, Secondary and Tertiary treatments. Screening, Equalization, Neutralization, Coagulation & Clarification, Biological Treatments, Evaporation and Reverse osmosis, ultra-filtration, membrane filtration, advanced oxidation techniques

Unit 4 (Ecofriendly Processing): Brief note on dry processing techniques, low liquor applications, use of biodegradable auxiliaries, use of natural resources in textile preparatory, dyeing and finishing processes in textile and garment industry

Unit 5 (Social Issues and the Environment): Sustainable textiles, role of government and non-governmental organizations in reducing environmental issues arising from textile and garment industry. Social complaints - Human rights, value education, women, child welfare and human health. Process of EIA - ISO 14000 - Environment protection act – Air (prevention and control of pollution) act, Water (prevention and control of pollution) act. SA8000 certification process.

5. Course Map (CO-PO-PSO Map)

	Programme Outcomes (POs)												Programme Specific Outcomes (PSOs)				
	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10	PO-11	PO-12	PSO-1	PSO-2	PSO-3	PSO-4	
CO-1							3										1
CO-2							1						1				
CO-3							2						1				
CO-4			1			1	3	1				1		1	2		
CO-5						3		1									2
CO-6						1	2										1

3: Very Strong Contribution, 2: Strong Contribution, 1: Moderate Contribution

6. Course Teaching and Learning Methods

Teaching and Learning Methods	Duration in hours	Total Duration in Hours
Face to Face Lectures		40
Demonstrations		04
1. Demonstration using Videos	04	
2. Demonstration using Physical Models / Systems	00	
3. Demonstration on a Computer	00	
Numeracy		00
1. Solving Numerical Problems	00	
Practical Work		00
1. Course Laboratory	00	
2. Computer Laboratory	00	
3. Engineering Workshop / Course/Workshop / Kitchen	00	
4. Clinical Laboratory	00	
5. Hospital	00	
6. Model Studio	00	
Others		00
1. Case Study Presentation	00	

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2. Guest Lecture	00	
3. Industry / Field Visit	08	
4. Brain Storming Sessions	00	
5. Group Discussions	04	
6. Discussing Possible Innovations	04	
Term Tests, Laboratory Examination/Written Examination, Presentations	10	
Total Duration in Hours	70	

7. Course Assessment and Reassessment

The details of the components and subcomponents of course assessment are presented in the Programme Specifications document pertaining to the M. Des. (Fashion Design) Programme. The procedure to determine the final course marks is also presented in the Programme Specifications document.

The evaluation questions are set to measure the attainment of the COs. In either component (CE or SEE) or subcomponent of CE (SC1, SC2, SC3 or SC4), COs are assessed as illustrated in the following Table.

Focus of Cos on each Component or Subcomponent of Evaluation				
Subcomponent▶	Component 1: CE (50% Weightage)			Component 2: SEE (50% Weightage)
	SC1	SC2	SC3	
Subcomponent Type ▶	Assignment, Quiz	Mid Term Examination	Assignment, presentation	100 Marks
Maximum Marks▶	25	50	25	
CO-1		x		
CO-2		x		x
CO-3		x		x
CO-4	x	x	x	x
CO-5	x	x	x	x
CO-6	x	x	x	x

The details of SC1, SC2 or SC3 are presented in the Programme Specifications Document.

The Course Leader assigned to the course, in consultation with the Head of the Department, shall provide the focus of COs in each component of assessment in the above template at the beginning of the semester.

Course reassessment policies are presented in the Academic Regulations document.

8. Achieving COs

The following skills are directly or indirectly imparted to the students in the following teaching and learning methods:

S. No	Curriculum and Capabilities Skills	How imparted during the course
1.	Knowledge	Classroom lectures
2.	Understanding	Classroom lectures, Self-study
3.	Critical Skills	Assignment
4.	Analytical Skills	Assignment
5.	Problem Solving Skills	Assignment, Examination
6.	Practical Skills	Assignment
7.	Group Work	--

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8.	Self-Learning	Self-study
9.	Written Communication Skills	Assignment, Examination
10.	Verbal Communication Skills	--
11.	Presentation Skills	--
12.	Behavioral Skills	--
13.	Information Management	Assignment
14.	Personal Management	--
15.	Leadership Skills	--

9. Course Resources

a. Essential Reading

1. Course notes
2. Deswal S and Deswal A, "A Basic Course in Environmental Studies", Dhanpat Rai & Co Pvt. Ltd, New Delhi, 2012.
3. Tobler-Rohr M I, Handbook of sustainable textile production, Wood head Publishing Ltd, UK, 2011.

b. Recommended Reading

1. Jadhav, H. and Bhosale, V. M. (1995) Environmental Protection and Laws. Delhi: Himalaya Publishing House.
2. Kate Fletcher (2008) Sustainable Fashion and Textiles : Design Journeys, published by Earthscan

c. Magazines and Journals

1. Journal of Textile and Apparel Technology Management
2. Journal of Cloth and Culture
3. International journal of Clothing Science and Technology
4. Home Textiles Today

d. Websites

1. www.designersnexus.com

e. Other Electronic Resources


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Course Specifications: Textile and Apparel Evaluation

Course Title	Textile and Apparel Evaluation
Course Code	19FSD511B
Course Type	Professional Core Elective
Department	Fashion Design
Faculty	Art and Design

1. Course Summary

This Course deals with the study of textile and apparel evaluation standards and methods. Students are taught the importance of quality, standards of textile products, colour measurements. Students are also trained to evaluate constructional, durability, comfort, handle, dye affinity of dyed and printed textile products. Students are taught the inspection process, eco-specifications, restrictions and quality management applied in apparel industry. Students are also taught the importance, systems and evaluation of care labels and regulations on apparel industry practices Students are trained to test and evaluate functional and technical textiles and suggest appropriate evaluation methods for textiles used in different applications.

2. Course Size and Credits:

Number of Credits	04
Credit Structure (Lecture: Tutorial: Practical)	2:0:2
Total Hours of Interaction	100
Number of Weeks in a Semester	15
Department Responsible	Fashion Design
Total Course Marks	100
Pass Criterion	As per the Academic Regulations
Attendance Requirement	As per the Academic Regulations

3. Course Outcomes (COs)

After the successful completion of this course, the student will be able to:

- CO 1. Explain the importance of quality and quality standards of textile and apparels for manufacturers and consumers
- CO 2. Explain the standards, Eco specifications and restriction applied in apparel and textile industry
- CO 3. Discuss the evaluation methods of constructional, durability, comfort and handle of textile and apparels
- CO 4. Discuss the testing and evaluation standards of functional and technical textiles
- CO 5. Discuss the importance of colour measurements and evaluation of dyed and printed apparel, Analyse and Suggest appropriate evaluation methods for textiles and apparels used in different applications

4. Course Contents

Unit 1 (Introduction to Quality Standards): Importance of Quality - British standards and ISO Standards for the Apparel Industry - Brief study about ISO 9000 Standards and ISO 14000 Standards - Total Quality management systems. Concept and scope of quality in fabrics. Quality and consistency among textile products. Quality and consumer safety

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Unit 2 (Evaluation of Construction Characteristics): Basic fabric particulars – Measurement of ends and picks per inch, count of warp and weft, determination of the type of weave, measurement of length, width, thickness and Areal density (GSM); warp and weft crimp measurements for spun and filament yarn fabrics, the cover factor calculations; Fabric sampling techniques

Unit 3 (Fabric inspection): Manual, semi-automatic and Automatic Inspection systems, classification of fabric defects, independent product quality certification, acceptable quality level, MIL standards and final inspection

Unit 4 (Evaluation of Strength Characteristics): Tensile strength measurement – raveled strip test and grab test – mechanical and electronic measuring systems. Tear strength – importance – measuring systems. Bursting strength and its measurement. Ballistic impact strength. Universal tensile tester – principle and operations

Unit 5 (Garment defects): Quality followed in cutting department - sewing department - Finishing and Packing Departments Process

Unit 6 (Testing of Garments): Seam strength – Seam properties of Knitted fabrics -Bow & Skewness in woven & knitted fabrics- Soil/Stain release testing -Testing of Sewing Threads

Unit 7 (Quality terminologies): Standards – Definition and Benefits of Standards, Inspection, Types of Inspection, Acceptable Quality Level. Certification in Apparel Industry: - Social Accountability – 8000 (S.A 8000), International Standard Organization (I.S.O), World Responsible Apparel Production (WRAP), Total Quality Management (TQM).

Unit 8 (Introduction to care label): importance of care labels - Different systems of care labelling American - British and International Labelling - Eco-labelling. Eco-labels, silk mark, wool mark, other international labels. Regulations on Apparel Labeling- Care labels, Fibre ID labels. Regulations on Apparel Industry Practices. Consumer Problems and protection, Rights and Responsibilities

Unit 9 (Evaluation of Special textiles): Objectives of Testing of Functional and Technical Textiles. Technical textiles, Industrial textiles, Medical textiles, Geo textiles, Sports, Smart/ intelligent textiles, Phase change materials, Thermochromic / photochromic textiles, Electronic textiles and Fabric composites.

Unit 10 (Testing of composites and special textiles): Testing of fibre reinforced composites, electromagnetic shielding textiles, compression bandages. Testing of ballistic protective textiles, UV protective textiles. Special Testing for Nonwoven and Technical Textiles. Standards and test method for protective apparel performance – Flame retardant finishes, Liquid repellent finishes, Antistatic, antibacterial, UV protection, mite protection; Ergonomics of protective clothing

Unit 11 (Color specification and measurement): Color theory, colour strength, optical density, K/S, L a*b*, L c*h* values, Computer colour matching system. Colour fastness evaluation of dyed and printed textiles

Unit 12 (Testing of Fabrics): Measurement of ends and picks per inch, count of warp and weft, determination of the type of weave, measurement of length, width, thickness and Areal density (GSM); warp and weft crimp measurements for spun and filament yarn fabrics, the cover factor calculations. Tensile strength measurement – raveled strip test and grab test. Tear strength, bursting strength

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RUAS Programme Structure and Course Details of M. Des. Fashion Design 2022-2023

Unit 13 (Testing of sewing threads): Testing of sewing threads for strength, seam strength in apparels. Apparel inspection through visual inspection method based on specification. Accessories testing. Inspection of assembly defects and final inspection.

5. Course Map (CO-PO-PSO Map)

	Programme Outcomes (POs)												Programme Specific Outcomes (PSOs)			
	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10	PO-11	PO-12	PSO-1	PSO-2	PSO-3	PSO-4
CO-1	2		3	3			3						3	2		
CO-2	3	2	3										3	2		
CO-3	2		3	2	3		2						3			
CO-4		2		2									3			
CO-5	3	2		2			2						3	3	3	

3: Very Strong Contribution, 2: Strong Contribution, 1: Moderate Contribution

6. Course Teaching and Learning Methods

Teaching and Learning Methods	Duration in hours	Total Duration in Hours
Face to Face Lectures		10
Demonstrations		20
1. Demonstration using Videos	05	
2. Demonstration using Physical Models / Systems	09	
3. Demonstration on a Computer	06	
Numeracy		00
1. Solving Numerical Problems	00	
Practical Work		45
1. Course Laboratory	45	
2. Computer Laboratory	00	
3. Engineering Workshop / Course/Workshop / Kitchen	00	
4. Clinical Laboratory	00	
5. Hospital	00	
6. Model Studio	00	
Others		15
1. Case Study Presentation	03	
2. Guest Lecture	00	
3. Industry / Field Visit	00	
4. Brain Storming Sessions	00	
5. Group Discussions	12	
6. Discussing Possible Innovations	00	
Term Tests, Laboratory Examination/Written Examination, Presentations		10
Total Duration in Hours		100

7. Course Assessment and Reassessment

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The details of the components and subcomponents of course assessment are presented in the Programme Specifications document pertaining to the B.Des. (Fashion Design) Programme. The procedure to determine the final course marks is also presented in the Programme Specifications document.

The evaluation questions are set to measure the attainment of the COs. In either component (CE or SEE) or subcomponent of CE (SC1, SC2, SC3 or SC4), COs are assessed as illustrated in the following Table.

Focus of COs on each Component or Subcomponent of Evaluation				
Subcomponent ▶	Component 1: CE (50% Weightage)			Component 2: SEE (50% Weightage)
	SC1	SC2	SC3	
Subcomponent Type ▶	Assignment, Quiz, Presentation	Mid Term Examination	Assignment, Quiz, Presentation	100 Marks
Maximum Marks ▶	25	50	25	
CO-1		x		
CO-2		x		x
CO-3	x	x	x	x
CO-4	x	x	x	x
CO-5	x		x	
The details of SC1, SC2 or SC3 are presented in the Programme Specifications Document.				

The Course Leader assigned to the course, in consultation with the Head of the Department, shall provide the focus of COs in each component of assessment in the above template at the beginning of the semester.

Course reassessment policies are presented in the Academic Regulations document.

8. Achieving COs

The following skills are directly or indirectly imparted to the students in the following teaching and learning methods:

S. No	Curriculum and Capabilities Skills	How imparted during the course
1.	Knowledge	Class room lectures and laboratory instructions
2.	Understanding	Class room lectures, laboratory instructions and demonstrations
3.	Critical Skills	Creative Work Submission
4.	Analytical Skills	Class room, laboratory, Creative Work Submission
5.	Problem Solving Skills	Laboratory, Creative Work Submission
6.	Practical Skills	Laboratory, Creative Work Submission
7.	Group Work	Creative Work Submission, laboratory
8.	Self-Learning	Creative Work Submission
9.	Written Communication Skills	Creative Work Submission, Examination
10.	Verbal Communication Skills	Presentation
11.	Presentation Skills	Presentation
12.	Behavioral Skills	Course
13.	Information Management	Creative Work Submission,

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RUAS Programme Structure and Course Details of M. Des. Fashion Design 2022-2023

		examination, laboratory
14.	Personal Management	Creative Work Submission, examination, laboratory presentation
15.	Leadership Skills	Effective management of learning, time management, achieving the learning outcomes

9. Course Resources

a. Essential Reading

1. Course notes
2. Nayak R, Padhye., R (2017) Manikins for Textile Evaluation, Woodhead Publishing

b. Recommended Reading

1. Booth J.E., (1989) Principle of Textile Testing, Butterworth Publications, London, 1989
2. Saville B.P., (1998) Physical Testing of Textiles, Textile Institute, Manchester,
3. Kothari V. K., (1999) Testing and Quality Management, Progress in Textile Technology, IAFL Publications, New Delhi, 1999

c. Magazines and Journals

1. Journal of Textile and Apparel Technology Management
2. The Asian Textile Journal
3. Journal of Textile Association
4. Textile Research Journal
5. Journal of Textile Science and Engineering

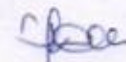
d. Websites

1. <https://www.designersnexus.com>
2. <http://www.style.com/fashion>

e. Other Electronic Resources


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RUAS Programme Structure and Course Details of M. Des. Fashion Design 2022-2023

Course Specifications: Fashion Merchandising and Boutique Management

Course Title	Fashion Merchandising and Boutique Management
Course Code	19FSD512B
Course Type	Professional Core Elective
Department	Fashion Design
Faculty	Art and Design

1. Course Summary

The course deals with the study on fashion merchandising and boutique management. Students are taught to deliver effective presentations, conduct and participate in meetings and use the specific tactics to improve negotiation skills. Students are taught merchandising skills and merchandising knowledge in the field of apparel and textile. Students are also taught the role of boutique in present day world, Plan and organize a store

2. Course Size and Credits:

Number of Credits	04
Credit Structure (Lecture: Tutorial: Practical)	2:0:2
Total Hours of Interaction	100
Number of Weeks in a Semester	15
Department Responsible	Fashion Design
Total Course Marks	100
Pass Criterion	As per the Academic Regulations
Attendance Requirement	As per the Academic Regulations

3. Course Outcomes (COs)

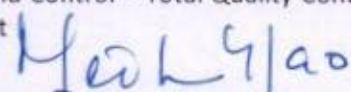
After the successful completion of this course, the student will be able to:

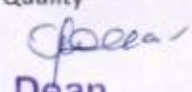
- CO-1. Develop and deliver effective presentations, conduct and participate in meetings and use the specific tactics to improve negotiation skills
- CO-2. Impart merchandising skills and merchandising knowledge in the field of apparel and textile
- CO-3. Use knowledge of merchandising in fashion industry in understanding Production activities and Productivity involved in a garment unit
- CO-4. Explain the role of boutique in present day world, Plan and organize a store
- CO-5. Visually merchandize the fashion product and have knowledge in different fashion brands and organize commercial shows like trade show, fashion show and exhibitions

4. Course Contents

Unit 1 (Merchandising and Merchandiser): Definition – Scope of Merchandising – Functions and Types of Merchandisers – Role of Merchandiser- Essential Requisites of a Good Merchandiser – Organization of Merchandising Department. Quality Interface – The Concept of Quality – Quality Assurance and Control – Total Quality Control for Merchandiser – Role of Merchandiser in Quality Management

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RUAS Programme Structure and Course Details of M. Des. Fashion Design 2022-2023

Unit 2 (Apparel Industry): Apparel industry framework, apparel manufacturer, buying houses, apparel exporters. Apparel supply chains and retail segment

Unit 3 (Introduction to Boutique Management and Terminologies): Fashion Retailing – History, Scope, and Importance. Types of retailing (Domestic & International), techniques. Boutique market place and its role.

Unit 4 (Business Options and Plans for Boutique): Costing and funding agencies. Boutique display, Exterior of Boutique, Illumination, Masking and Proscenia Mannequins and 3D Dressing. Props & promotions on floor. Visual merchandising and colour pallets

Unit 5 (Boutique interior Planning): - Boutique interiors and display locations, fixture & dressings, purchase display systems Boutique management – types of Boutique, planning, layout and Storing

Unit 6 (Inventory Control): Inventory control – definition, types, importance, remedies. Buying for boutique, Pricing merchandise and hiring

Unit 7 (HRM -Human Resource Management): Definition, Objectives & Responsibilities, Staffing in boutique, Training and Development, Employment Law and Employee rules

5. Course Map (CO-PO-PSO Map)

	Programme Outcomes (POs)												Programme Specific Outcomes (PSOs)			
	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10	PO-11	PO-12	PSO-1	PSO-2	PSO-3	PSO-4
CO-1	2		1										1			
CO-2	2												1	2		
CO-3		1												2	2	
CO-4		2												2	3	
CO-5		2	2		2				2					3	2	1

3: Very Strong Contribution, 2: Strong Contribution, 1: Moderate Contribution

6. Course Teaching and Learning Methods

Teaching and Learning Methods	Duration in hours	Total Duration in Hours
Face to Face Lectures		20
Demonstrations		05
1. Demonstration using Videos	05	
2. Demonstration using Physical Models / Systems	00	
3. Demonstration on a Computer	00	
Numeracy		00
1. Solving Numerical Problems	00	
Practical Work		50
1. Course Laboratory	50	
2. Computer Laboratory	00	
3. Engineering Workshop / Course/Workshop / Kitchen	00	

RUAS Programme Structure and Course Details of M. Des. Fashion Design 2022-2023

4. Clinical Laboratory	00	
5. Hospital	00	
6. Model Studio	00	
Others		
1. Case Study Presentation	10	15
2. Guest Lecture	00	
3. Industry / Field Visit	00	
4. Brain Storming Sessions	00	
5. Group Discussions	03	
6. Discussing Possible Innovations	03	
Term Tests, Laboratory Examination/Written Examination, Presentations		10
Total Duration in Hours		100

7. Course Assessment and Reassessment

The details of the components and subcomponents of course assessment are presented in the Programme Specifications document pertaining to the M. Des. (Fashion Design) Programme. The procedure to determine the final course marks is also presented in the Programme Specifications document.

The evaluation questions are set to measure the attainment of the COs. In either component (CE or SEE) or subcomponent of CE (SC1, SC2, SC3 or SC4), COs are assessed as illustrated in the following Table.

Focus of COs on each Component or Subcomponent of Evaluation				
Subcomponent	Component 1: CE (50% Weightage)			Component 2: SEE (50% Weightage)
	SC1	SC2	SC3	
Subcomponent Type	Assignment, Quiz, Presentation	Mid Term Examination	Assignment, Quiz, Presentation	100 Marks
Maximum Marks	25	50	25	
CO-1		x		
CO-2		x		
CO-3		x		
CO-4	x	x	x	
CO-5	x		x	

The details of SC1, SC2 or SC3 are presented in the Programme Specifications Document.

The Course Leader assigned to the course, in consultation with the Head of the Department, shall provide the focus of COs in each component of assessment in the above template at the beginning of the semester.

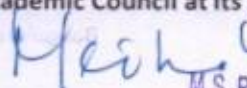
Course reassessment policies are presented in the Academic Regulations document.

8. Achieving COs

The following skills are directly or indirectly imparted to the students in the following teaching and learning methods:

S. No	Curriculum and Capabilities Skills	How imparted during the course
1.	Knowledge	Classroom lectures
2.	Understanding	Classroom lectures, Self-study

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3.	Critical Skills	Assignment
4.	Analytical Skills	Assignment
5.	Problem Solving Skills	Assignment, Examination
6.	Practical Skills	Assignment, Examination
7.	Group Work	--
8.	Self-Learning	Self-study
9.	Written Communication Skills	Assignment, Examination
10.	Verbal Communication Skills	--
11.	Presentation Skills	--
12.	Behavioral Skills	--
13.	Information Management	Assignment
14.	Personal Management	--
15.	Leadership Skills	--

9. Course Resources

a. Essential Reading

1. Class Notes
2. David Shaw, Dimitri Koumbis (2011), Fashion Buying, Fairchild Books; 1st edition, ISBN: 978294041168

b. Recommended Reading

1. Grose, V. (2011) Basics Fashion Management 01: Fashion Merchandising. Fairchild Books Publisher
2. Wolfe, M. (2008) Fashion Marketing & Merchandising. 2nd Ed. Good heart-Willcox Publisher

c. Magazines and Journals

1. Journal of Textile and Apparel Technology Management
2. InStyle, Time Inc, US
3. Fashion, St. Joseph Media, Canada
4. Fashion theory, Bloomsbury Publications, UK

d. Websites

1. www.fashiontechniques.com
2. fashion-history.lovetoknow.com
3. Wearinghistoryblog.com

e. Other Electronic Resources

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 Dean

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RUAS Programme Structure and Course Details of M. Des. Fashion Design 2022-2023

Course Specifications: Functional and Technical Apparels

Course Title	Functional and Technical Apparels
Course Code	19FSD521B
Course Type	Professional Core Elective
Department	Fashion Design
Faculty	Art and Design

1. Course Summary

The Course deals with the study of Functional and Technical Apparels. Students are taught various fibres and their properties used in Functional and Technical Apparels. Students are also taught importance, types, properties, finishes and applications of Functional and Technical Apparels for a specific end use. Students are trained to test suggest appropriate functional and technical textiles for a specific end-use.

2. Course Size and Credits:

Number of Credits	04
Credit Structure (Lecture: Tutorial: Practical)	2:0:2
Total Hours of Interaction	100
Number of Weeks in a Semester	15
Department Responsible	Fashion Design
Total Course Marks	100
Pass Criterion	As per the Academic Regulations
Attendance Requirement	As per the Academic Regulations

3. Course Outcomes (COs)

After the successful completion of this course, the student will be able to:

- CO-1. Explain the fibre types and their properties used in making of technical and functional textiles
- CO-2. Explain the types and properties of functional and technical textiles
- CO-3. Discuss the applications of Geo textiles, medical textiles, filtration textiles and functional textiles
- CO-4. Discuss the importance and application of Finishes for Functional Textiles
- CO-5. Analyse the applications of protective, automotive, coated and laminated, ropes and cordages and building textiles
- CO-6. Suggest appropriate functional and technical textiles for a specific end-use

4. Course Contents

Unit 1 (Introduction to technical textiles): Textile materials in technical applications Fibers, Natural and man-made fibers suitable for technical application and their relevant properties. Technical clothing, sportswear, space-wear, sailing equipment. Medical and Smart Textiles

Unit 2 (Geotextile): Types of geotextiles, Properties of Geotextile Materials , Fibers used for geotextile applications, Properties of material used in Geotextiles , Function of Geotextiles [Mechanical , Reinforcement , Hydraulic functions], Geotextiles Typical applications of geotextiles.

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RUAS Programme Structure and Course Details of M. Des. Fashion Design 2022-2023

Unit 3 (Medical textiles): Fibers in various medical applications, Classification of medical Textiles, Textile materials used for medical applications such as absorbency, sterilization, grafts, wound care, Cardiovascular applications, Sutures. Application of compression bandage technology for medical care; integrating electronic sensors into medical textiles; knitted electro-textiles.

Unit 4 (Filtrations): Principles of wet and dry filtrations, Characteristic properties of fibres and fabrics used in filtration. Requirements for good filter media and filtration. Fibre and fabric selection for filtration. Characteristics and uses of woven and nonwoven fabrics. Vessels affecting performance of filter fabric.

Unit 5 (Ropes and Cordages): Fibers for rope construction, application, oriented structure and production of ropes, cordages and twins .Behaviour and important characteristics of ropes and cordages.

Unit 6 (Automotive Textiles): Fibers used for automotive applications – upholstery, carpeting, pre-formed parts, type, safety devices, filters and engine compartment items .Brief description for the manufacture and application of these devices or parts

Unit 7 (Coated and Laminated Textiles): Coating - need and areas of application of coated fabrics. Polymeric materials and fabric substrates for coating. Coating methods and equipments used. Fabric lamination and resins for fabric lamination. Characteristics of coated and laminated fabrics

Unit8 (Building Textiles): Applications of coated fabrics for building structure. Properties of fabrics for architecture and construction. Textiles for acoustic and heat insulation in buildings. Textiles for wall coverings and roofing. Fibre reinforced concrete and cement.

Unit 9 (Finishes for Functional Textiles): Chemical and mechanical finishing. Importance of chemical finishing. Application of chemical finishes. Softening finishes, non-slip finishes, elastomeric finishes, and Ultraviolet protection finishes, antimicrobial Finishes, novel finishes: Anti- odour and fragrance finishes, mosquito repellent finish and Conductive finish. Fibre surface modifying finishes using plasma and radiation technologies. Fibre surface modification by sol-gel finishes with inorganic oxide films. Microencapsulation technique for finishing of Textiles. Smarttextiles by chemical finishing

5. Course Map (CO-PO-PSO Map)

	Programme Outcomes (POs)												Programme Specific Outcomes (PSOs)			
	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10	PO-11	PO-12	PSO-1	PSO-2	PSO-3	PSO-4
CO-1	3		3						2				3		1	3
CO-2	3		3	2	2				2	2			3	1	1	
CO-3	3		3	2	1				2	2			3	1	1	
CO-4	3		3	2	1				2	2			3	1	1	
CO-5	3		3	2					2	2			3	1	1	
CO-6	3		3			3	3		2	2		3	3	2	3	3

3: Very Strong Contribution, 2: Strong Contribution, 1: Moderate Contribution

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Dean, Academics

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RUAS Programme Structure and Course Details of M. Des. Fashion Design 2022-2023

6. Course Teaching and Learning Methods

Teaching and Learning Methods	Duration in hours	Total Duration in Hours
Face to Face Lectures		10
Demonstrations		20
1. Demonstration using Videos	05	
2. Demonstration using Physical Models / Systems	09	
3. Demonstration on a Computer	06	
Numeracy		
1. Solving Numerical Problems	00	
Practical Work		45
1. Course Laboratory	45	
2. Computer Laboratory	00	
3. Engineering Workshop / Course/Workshop / Kitchen	00	
4. Clinical Laboratory	00	
5. Hospital	00	
6. Model Studio	00	
Others		15
1. Case Study Presentation	00	
2. Guest Lecture	00	
3. Industry / Field Visit	03	
4. Brain Storming Sessions	00	
5. Group Discussions	12	
6. Discussing Possible Innovations	00	
Term Tests, Laboratory Examination/Written Examination, Presentations		10
Total Duration in Hours		100

7. Course Assessment and Reassessment

The details of the components and subcomponents of course assessment are presented in the Programme Specifications document pertaining to the M. Des. (Fashion Design) Programme. The procedure to determine the final course marks is also presented in the Programme Specifications document.

The evaluation questions are set to measure the attainment of the Cos. In either component (CE or SEE) or subcomponent of CE (SC1, SC2, SC3 or SC4), Cos are assessed as illustrated in the following Table.

Focus of COs on each Component or Subcomponent of Evaluation				
Subcomponent	Component 1: CE (50% Weightage)			Component 2: SEE (50% Weightage)
	SC1	SC2	SC3	
Subcomponent Type	Assignment, Quiz, Presentation	Mid Term Examination	Assignment, Quiz, Presentation	100 Marks
Maximum Marks	25	50	25	
CO-1		X		X
CO-2		X		X
CO-3	X	X	X	X
CO-4	X	X	X	X
CO-5	X		X	X

The details of SC1, SC2 or SC3 are presented in the Programme Specifications Document.

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RUAS Programme Structure and Course Details of M. Des. Fashion Design 2022-2023

The Course Leader assigned to the course, in consultation with the Head of the Department, shall provide the focus of COs in each component of assessment in the above template at the beginning of the semester.

Course reassessment policies are presented in the Academic Regulations document.

8. Achieving COs

The following skills are directly or indirectly imparted to the students in the following teaching and learning methods:

S. No	Curriculum and Capabilities Skills	How imparted during the course
1.	Knowledge	Classroom lectures
2.	Understanding	Classroom lectures
3.	Critical Skills	Assignment Submissions
4.	Analytical Skills	Classroom lectures, Examination and Creative Submissions
5.	Problem Solving Skills	Examination and Assignment Submissions
6.	Practical Skills	Laboratory and Assignment Submissions
7.	Group Work	Laboratory and Assignment Submissions
8.	Self-Learning	Assignment
9.	Written Communication Skills	Assignment Submissions and Examination
10.	Verbal Communication Skills	Assignment Submissions and Examination
11.	Presentation Skills	Presentation
12.	Behavioral Skills	Interaction with peers and tutors
13.	Information Management	Assignment Submissions, Examination and presentation
14.	Personal Management	Interaction and discipline
15.	Leadership Skills	Time management and achieving the learning outcomes

9. Course Resources

a. Essential Reading

1. Course notes
2. Loughlin, J. M., Sabir, T., (2017) High-Performance Apparel, Woodhead Publishing

b. Recommended Reading

1. Watkins, S. M., Dunne, L. E. (2016) Functional Clothing Design: From Sportswear to Spacesuits, Bloomsbury
2. Schindler, W. D., Hauser, P. J., (2004) Chemical Finishing of Textiles, The Textile Institute,

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RUAS Programme Structure and Course Details of M. Des. Fashion Design 2022-2023

3. Thilagavathi, G., (2015) Functional Textiles and Clothing, Elsevier Science & Technology
4. Paul, R., (2014) Functional Finishes for Textiles: Improving Comfort, Performance and Protection, Elsevier
5. Sun, G., (2016) Antimicrobial Textiles, Woodhead Publishing

c. Magazines and Journals

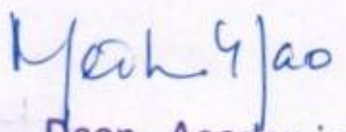
1. Journal of Textile and Apparel Technology Management
2. The Asian Textile Journal
3. Journal of Textile Association
4. Clothing and Textiles Research Journal: SAGE Journals
5. Research Journal of Textile and Apparel - Emerald Insight

d. Websites

1. www.goodreads.com
2. <https://techwhirl.com/>

e. Other Electronic Resources


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RUAS Programme Structure and Course Details of M. Des. Fashion Design 2022-2023

Course Specifications: Need Based Garment Production

Course Title	Need Based Garment Production
Course Code	19FSD522B
Course Type	Professional Core Elective
Department	Fashion Design
Faculty	Art and Design

1. Course Summary

This module deals with the study on Need Based Garment Construction. Students are taught to conceptualize the various needs of humanity with respect to the activity, situations and demand and construct suitable garments. Students are also taught to apply the needs for creating a sustainable innovative garment construction

2. Course Size and Credits:

Number of Credits	04
Credit Structure (Lecture: Tutorial: Practical)	2:0:2
Total Hours of Interaction	100
Number of Weeks in a Semester	15
Department Responsible	Fashion Design
Total Course Marks	100
Pass Criterion	As per the Academic Regulations
Attendance Requirement	As per the Academic Regulations

3. Course Outcomes (COs)

After the successful completion of this course, the student will be able to:

- CO-1. Explain the steps and process involved in designing special garment categories
- CO-2. Analyses of different types of figures and design analysis
- CO-3. Describe the emerging trends in garment production concepts
- CO-4. Design garments for different needs based on theme and comfort factors
- CO-5. Construct an innovative need based garment design

4. Course Contents

Unit 1 (Garment Production and Designing): Evolution of garment production processes; mass production concepts and their application for different categories of garments. Emerging trends in garment production processes. Features and functions of formal, casual and ethnic clothing for various categories and occasions.

Unit 2 (Body wear and Intimate garments): Intimate garments, lingerie and other special categories, Evolution of styles from antiquity to modern, design and current trends in intimate garments, lingerie and body suit categories.

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RUAS Programme Structure and Course Details of M. Des. Fashion Design 2022-2023

Unit 3 (Designing of Garments for different Needs): Designing of garments for infant, children, teenagers, adults, senior category, disabled, utility and occasion with comfort and economy in dress.

Unit 4 (Figure and Design Analysis): Different types of personality, body types, figures-stout figure, slim figure, slender, narrow shoulder, broad shoulders, round shoulders, large bust, flat bust, large hips, large abdomen, short waist, long waist, sway back, large neck, short neck, large face, small face, square or broad face, round face, narrow pointed face, Characteristics of a well-dressed person- selection of fabrics, textiles, pattern & colour, Aesthetic requirement for dress and personality

Unit 5 (Trends in Garment Production Concepts): Lean manufacturing concepts, lean principles, six sigma, theory of constraints (TOC), lean tools, just in time, 5s, total productive maintenance(TPM), value stream mapping, tact time calculation, root cause analysis. 3 fitting checks and custom made clothing, commercial patterns.

Unit 6 -Practical's: (Designing of Garments for Different Needs): Designing of garments for infant, children, teenagers, adults, senior category, disabled, utility and occasion with theme, comfort and economy in dress.

Unit 7 Practical's: (Construction of Garments): Garment construction by drafting, draping or flat pattern techniques, fitting strategies, fit components and fit evaluation.

5. Course Map (CO-PO-PSO Map)

	Programme Outcomes (POs)												Programme Specific Outcomes (PSOs)			
	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10	PO-11	PO-12	PSO-1	PSO-2	PSO-3	PSO-4
CO-1	2												2			
CO-2	2												2	2		
CO-3	1	1											1		2	
CO-4	1	2													3	
CO-5	1	2	2		2				2				1	3		1

3: Very Strong Contribution, 2: Strong Contribution, 1: Moderate Contribution

6. Course Teaching and Learning Methods

Teaching and Learning Methods	Duration in hours	Total Duration in Hours
Face to Face Lectures		20
Demonstrations		05
1. Demonstration using Videos	05	
2. Demonstration using Physical Models / Systems	00	
3. Demonstration on a Computer	00	
Numeracy		50
1. Solving Numerical Problems	00	
Practical Work		50
1. Course Laboratory	50	

RUAS Programme Structure and Course Details of M. Des. Fashion Design 2022-2023

2. Computer Laboratory	00	
3. Engineering Workshop / Course/Workshop / Kitchen	00	
4. Clinical Laboratory	00	
5. Hospital	00	
6. Model Studio	00	
Others		
1. Case Study Presentation	10	15
2. Guest Lecture	00	
3. Industry / Field Visit	00	
4. Brain Storming Sessions	00	
5. Group Discussions	02	
6. Discussing Possible Innovations	03	
Term Tests, Laboratory Examination/Written Examination, Presentations	10	
Total Duration in Hours	100	

7. Course Assessment and Reassessment

The details of the components and subcomponents of course assessment are presented in the Programme Specifications document pertaining to the M. Des. (Fashion Design) Programme. The procedure to determine the final course marks is also presented in the Programme Specifications document.

The evaluation questions are set to measure the attainment of the COs. In either component (CE or SEE) or subcomponent of CE (SC1, SC2, SC3 or SC4), COs are assessed as illustrated in the following Table.

Focus of COs on each Component or Subcomponent of Evaluation				
Subcomponent ▶	Component 1: CE (50% Weightage)			Component 2: SEE (50% Weightage)
	SC1	SC2	SC3	
Subcomponent Type ▶	Assignment, Quiz, Presentation	Mid Term Examination	Assignment, Quiz, Presentation	100 Marks
Maximum Marks ▶	25	50	25	
CO-1		x		
CO-2		x		x
CO-3		x		x
CO-4	x		x	x
CO-5	x		x	x
The details of SC1, SC2 or SC3 are presented in the Programme Specifications Document.				

The Course Leader assigned to the course, in consultation with the Head of the Department, shall provide the focus of COs in each component of assessment in the above template at the beginning of the semester.

Course reassessment policies are presented in the Academic Regulations document.

8. Achieving COs

The following skills are directly or indirectly imparted to the students in the following teaching and learning methods:

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J. S. Rao
Dean

RUAS Programme Structure and Course Details of M. Des. Fashion Design 2022-2023

S. No	Curriculum and Capabilities Skills	How imparted during the course
1.	Knowledge	Classroom lectures
2.	Understanding	Classroom lectures, Self-study
3.	Critical Skills	Assignment
4.	Analytical Skills	Assignment
5.	Problem Solving Skills	Assignment, Examination
6.	Practical Skills	Assignment, Examination
7.	Group Work	--
8.	Self-Learning	Self-study
9.	Written Communication Skills	Assignment, Examination
10.	Verbal Communication Skills	--
11.	Presentation Skills	--
12.	Behavioral Skills	--
13.	Information Management	Assignment
14.	Personal Management	--
15.	Leadership Skills	--

9. Course Resources

a. Essential Reading

1. Course notes
2. Bryson and Jane Mccann, (2009), Smart Clothes and Wearable Technology, 1st edition, Woodhead Publishing Ltd.

b. Recommended Reading

1. Carr H. & Latham, B., (1984) The Technology of Clothing Manufacture, Blackwell Scientific Publication
2. Cooklin. G., (2000) Introduction to Clothing Manufacture, Blackwell Scientific Publication
3. Armstrong, Joseph, H., (2000) Pattern Making for Fashion Design, 4th Ed. Pearson
4. Hilde, J., Relic. N., (1993) Draping for Fashion Design, New Jersey, Fashion Institute of Technology
5. Armstrong, Helen Joseph., (2000) Pattern Making for Fashion Design, 4th. Ed. Pearson
6. Brown, Patty, Janett, R. (1998) Ready to Wear Apparel Analysis, (2nd Edition), Prentice Hall

c. Magazines and Journals

1. Journal of Textile and Apparel Technology Management
2. Journal of Cloth and Culture
3. International journal of Clothing Science and Technology
4. Home Textiles Today

d. Websites

1. www.designersnexus.com
2. www.style.com/fashion

e. Other Electronic Resources

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SEMESTER - 3

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RUAS Programme Structure and Course Details of M. Des. Fashion Design 2022-2023

Course Specifications: Industry Internship / Mini Project

Course Title	Industry Internship / Mini Project
Course Code	19FSD595B
Course Type	Core Practical Course
Department	Fashion Design
Faculty	Art and Design

1. Course Summary

The aim of this Course is to make a student experience an industrial or business environment. The student will visit various departments of an industry/business and observe the activities in each department for a certain duration of time and try to relate his/her experience with the theory practiced back at the faculty. The student should develop a report and make a presentation on his/her experience at the industry/business.

Alternatively,

The aim of this course is to give students an experience of identifying problems based on consumer requirements and generate the product design brief, concepts, 3D models and digitally render the product for visualization. The students are expected to work individually and are required to develop an appropriate solution by identifying a problem for better design outcome. They also develop technical reports documenting the project work.

3. Course Size and Credits:

Number of Credits	04
Credit Structure (Lecture: Tutorial: Practical)	0:0:4
Total Hours of Interaction	130
Number of Weeks in a Semester	15
Department Responsible	Fashion Design
Total Course Marks	100
Pass Criterion	As per the Academic Regulations
Attendance Requirement	As per the Academic Regulations

4. Course Outcomes (COs)

After the successful completion of this course, the student will be able to:

- CO-1. Describe the organization structure of the industry/business
- CO-2. Identify Business objectives of the organization
- CO-3. Describe the various departments of the organization and their activities and responsibilities to meet the business objectives
- CO-4. Discuss the limitations and new opportunities for growth of the organization
- CO-5. Express the education and skill requirement of graduates to pursue their career in industry

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RUAS Programme Structure and Course Details of M. Des. Fashion Design 2022-2023

5. Course Contents

Industry Internship in the relevant organization

6. Course Map (CO-PO-PSO Map)

	Programme Outcomes (POs)												Programme Specific Outcomes (PSOs)			
	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10	PO-11	PO-12	PSO-1	PSO-2	PSO-3	PSO-4
CO-1		1	2	1					1				1	1	2	3
CO-2			2	1	1				1					1	2	1
CO-3	1	1	2	1	1				2				1	1	1	
CO-4		1	1						3						2	1
CO-5			1						1	2	1	2	1	2	3	1

3: Very Strong Contribution, 2: Strong Contribution, 1: Moderate Contribution

7. Course Teaching and Learning Methods

Topics	Teaching methods	Hours
Industry Internship/ Mini Project	Field work/ Research work	90.0
	Report writing	15.0
	Presentation preparations	10.0
Evaluation of Report and Presentations		15.0
Total		130.0

8. Course Assessment and Reassessment

The details of the components and subcomponents of course assessment are presented in the Programme Specifications document pertaining to the M. Des. (Fashion Design) Programme. The procedure to determine the final course marks is also presented in the Programme Specifications document.

The evaluation questions are set to measure the attainment of the COs. In either component (CE or SEE) or subcomponent of CE (SC1 and SC2), COs are assessed as illustrated in the following Table.

Focus of COs on each Component or Subcomponent of Evaluation			
Subcomponent ▶	Component 1: CE (50% Weightage)		Component 2: SEE (50% Weightage)
	SC1	SC2	
Subcomponent Type ▶	Interim Presentation	Final presentation	50 Marks
Maximum Marks ▶	25	25	
CO-1	x	x	x
CO-2	x	x	x
CO-3	x	x	x

The details of SC1, SC2, SC3 or SC4 are presented in the Programme Specifications Document.

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RUAS Programme Structure and Course Details of M. Des. Fashion Design 2022-2023

The Course Leader assigned to the course, in consultation with the Head of the Department, shall provide the focus of COs in each component of assessment in the above template at the beginning of the semester.

Course reassessment policies are presented in the Academic Regulations document.

9. Achieving COs

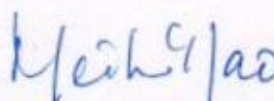
The following skills are directly or indirectly imparted to the students in the following teaching and learning methods:

S. No	Curriculum and Capabilities Skills	How imparted during the course
1.	Knowledge	Internship/ Research work
2.	Understanding	Internship/ Research work
3.	Critical Skills	Internship/ Research work
4.	Analytical Skills	Internship/ Research work
5.	Problem Solving Skills	Internship/ Research work
6.	Practical Skills	Internship/ Research work
7.	Group Work	Internship/ Research work
8.	Self-Learning	Internship/ Research work
9.	Written Communication Skills	Report
10.	Verbal Communication Skills	Presentation
11.	Presentation Skills	Presentation
12.	Behavioral Skills	Interaction with staff of the organization
13.	Information Management	Report
14.	Personal Management	Effective management of learning
15.	Leadership Skills	Effective management of learning, time management, achieving the learning outcomes

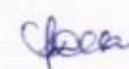
The Course Leader assigned to the course, in consultation with the Head of the Department, shall provide the focus of COs in each component of assessment in the above template at the beginning of the semester.

Course reassessment policies are presented in the Academic Regulations document.


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RUAS Programme Structure and Course Details of M. Des. Fashion Design 2022-2023

The Course Leader assigned to the course, in consultation with the Head of the Department, shall provide the focus of COs in each component of assessment in the above template at the beginning of the semester.

Course reassessment policies are presented in the Academic Regulations document.

10. Course Resources

a. Essential Reading

1. Organization website
2. Discussions with Managers/Mentor/Supervisor of different departments of the Organization

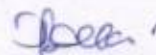
b. Magazines and Journals

c. Websites

d. Other Electronic Resources


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RUAS Programme Structure and Course Details of M. Des. Fashion Design 2022-2023

Course Specifications: Group Project

Course Title	Group Project
Course Code	19FSD599B
Course Type	Core Practical Course
Department	Fashion Design
Faculty	Art and Design

1. Course Summary

This module is intended to apply and synergise the learning outcomes of M. Des. In Fashion Design programme through a group project. The group project will focus on the application of appropriate creativity and innovation tools and techniques and use of relevant university resources and departments for definition and execution of the project. The group project will enable the students to apply the theoretical and practical aspects of developing innovative and conceptual ideas, ethnography, identification of user needs, materials and processes, ergonomics, functionality, aesthetics, manufacture and assembly, mechanisms and modelling as well as project management techniques taught during the programme. This module will enable the students to gain practical experience of working in a project mode, requiring interactions with the user groups to meet the functional, ergonomics and aesthetics requirements of the project undertaken. The significant feature of the project will be the demonstration of its applicability and quantification of benefits.

2. Course Size and Credits:

Number of Credits	10
Credit Structure (Lecture: Tutorial: Practical)	0:0:10
Total Hours of Interaction	310
Number of Weeks in a Semester	15
Department Responsible	Fashion Design
Total Course Marks	200
Pass Criterion	As per the Academic Regulations
Attendance Requirement	As per the Academic Regulations

3. Course Outcomes (COs)

After the successful completion of this course, the student will be able to:

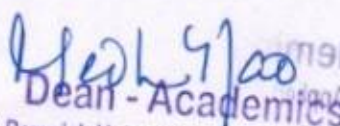
- CO-1. Describe the organization structure of the industry/business
- CO-2. Identify Business objectives of the organization
- CO-3. Describe the various departments of the organization and their activities and responsibilities to meet the business objectives
- CO-4. Discuss the limitations and new opportunities for growth of the organization
- CO-5. Express the education and skill requirement of graduates to pursue their career in industry

4. Course Contents

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RUAS Programme Structure and Course Details of M. Des. Fashion Design 2022-2023

Unit 1 (Literature Review): Collection of relevant literature and review of literature

Unit 2 (Collection of data): Interaction with the users and collection of data

Unit 3 (Data Analysis): Data Analysis, Formulation of a problem of suitable size

Unit 4 (Design specifications): Writing down the design specifications

Unit 5 (Design calculations): Detail design calculations

Unit 6 (Tools and techniques): Choosing a modelling environment, learning the appropriate tools and techniques

Unit 7 (Analysis of design): Modelling, simulation and analysis of design

Unit 8 (Evaluation): Defining performance parameters, Evaluation of performance, presentation of performance characteristics, Verification of results

Unit 9 (Presentation): Demonstration to the defined audience and making a presentation to the assessing team

5. Course Map (CO-PO-PSO Map)

	Programme Outcomes (POs)												Programme Specific Outcomes (PSOs)			
	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10	PO-11	PO-12	PSO-1	PSO-2	PSO-3	PSO-4
CO-1		1	2	1					1				1	1	2	3
CO-2			2	1	1				1					1	2	1
CO-3	1	1	2	1	1				2				1	1	1	
CO-4		1	1						3						2	1
CO-5			1						1	2	1	2	1	2	3	1

3: Very Strong Contribution, 2: Strong Contribution, 1: Moderate Contribution

6. Course Teaching and Learning Methods

Topics	Teaching methods	Hours
Industry Internship/ Mini Project	Field work/ Research work	180.0
	Report writing	90.0
	Presentation preparations	20.0
	Evaluation of Report and Presentations	10.0
	Total	310.0

7. Course Assessment and Reassessment

The details of the components and subcomponents of course assessment are presented in the Programme Specifications document pertaining to the M. Des. (Fashion Design) Programme. The procedure to determine the final course marks is also presented in the Programme Specifications document.

The evaluation questions are set to measure the attainment of the COs. In either component (CE

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RUAS Programme Structure and Course Details of M. Des. Fashion Design 2022-2023

or SEE) or subcomponent of CE (SC1 and SC2), COs are assessed as illustrated in the following Table.

Focus of COs on each Component or Subcomponent of Evaluation			
Subcomponent ▶	Component 1: CE (50% Weightage)		Component 2: SEE (50% Weightage)
	SC1	SC2	
Subcomponent Type ▶	Interim Presentation	Final presentation	100 Marks
Maximum Marks ▶	50	50	
CO-1	x	x	x
CO-2	x	x	x
CO-3	x	x	x
CO-4	x	x	x
CO-5	x	x	x

The details of SC1 or SC2 are presented in the Programme Specifications Document.

The Course Leader assigned to the course, in consultation with the Head of the Department, shall provide the focus of COs in each component of assessment in the above template at the beginning of the semester.

Course reassessment policies are presented in the Academic Regulations document.

8. Achieving COs

The following skills are directly or indirectly imparted to the students in the following teaching and learning methods:

S. No	Curriculum and Capabilities Skills	How imparted during the course
1.	Knowledge	Group Project/Research work
2.	Understanding	Group Project Research work
3.	Critical Skills	Group Project Research work
4.	Analytical Skills	Group Project Research work
5.	Problem Solving Skills	Group Project Research work
6.	Practical Skills	Group Project Research work
7.	Group Work	Group Project Research work
8.	Self-Learning	Group Project Research work
9.	Written Communication Skills	Report
10.	Verbal Communication Skills	Presentation
11.	Presentation Skills	Presentation/ Exhibitions/ Displays
12.	Behavioral Skills	Interaction with staff of the organization
13.	Information Management	Report
14.	Personal Management	Effective management of learning
15.	Leadership Skills	Effective management of learning, time management, achieving the learning outcomes

The Course Leader assigned to the course, in consultation with the Head of the Department, shall provide the focus of COs in each component of assessment in the above template at the beginning of the semester.

Course reassessment policies are presented in the Academic Regulations document.

RUAS Programme Structure and Course Details of M. Des. Fashion Design 2022-2023

The Course Leader assigned to the course, in consultation with the Head of the Department, shall provide the focus of COs in each component of assessment in the above template at the beginning of the semester.

Course reassessment policies are presented in the Academic Regulations document.

9. Course Resources

a. Essential Reading

1. Organization website
2. Discussions with Managers/Mentor/Supervisor of different departments of the Organization

b. Magazines and Journals

c. Websites

d. Other Electronic Resources


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RUAS Programme Structure and Course Details of M. Des. Fashion Design 2022-2023

Course Specifications: Portfolio and Design Development

Course Title	Portfolio and Design Development
Course Code	19FSD531B
Course Type	Core Laboratory Course
Department	Fashion Design
Faculty	Art and Design

1. Course Summary

This Course deals with development of fashion portfolio and presentation of developed designs. Students are taught concepts of contemporary fashion and stages of development of costume styles based on fashion forecast. Students will be trained to the concepts of costing, pricing, promotion and branding of the designer wear. Students will be trained to develop theme based fashion styles based on pattern making techniques. Students will be trained to showcase designer wear through Fashion shows

2. Course Size and Credits:

Number of Credits	04
Credit Structure (Theory:Tutorial:Practical)	0:0:4
Total Hours of Interaction	130
Number of Weeks in a Semester	15
Department Responsible	Department of Fashion Design
Total Course Marks	100
Pass Criterion	As per the Academic Regulations
Attendance Requirement	As per the Academic Regulations

3. Course Outcomes (COs)

After the successful completion of this course, the student will be able to:

- CO-1. Explain contemporary fashion and stages of development of costumes
- CO-2. Explain designers roles in the development of portfolio based on fashion forecast
- CO-3. Discuss the process of costing pricing, promotion and branding of designer wear
- CO-4. Elucidate the theme based design development process based on pattern making techniques
- CO-5. Suggest and develop designs based on choice of the consumer
- CO-6. Showcase the designs developed through fashion shows and presentation

4. Course Contents

Unit 1 (Review Of Contemporary Fashion): Development of costume in the 20th century fashion, Couture and Ready –to –wear.

Unit 2 (Creation Of Fashion): Fashion forecasting, seasons, cycles, Interpreting themes, Line development & organization of a line, Range planning, unusual designs and Assortment planning

Unit 3 (Segmentation Of Fashion): Role of a designer, Role of a producer / manufacturer, contractor, jobber and merchandiser, Sourcing (market levels), Retailers, Consumers and Fashion

RUAS Programme Structure and Course Details of M. Des. Fashion Design 2022-2023

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Unit 4 (Fashion Promotion & Branding): Visual merchandising (Shows, events, displays), Brand name and trade mark, Packaging and Product life cycle of brands

Unit 5 (Costing and Pricing): Factors affecting price determination, Methods of accounting (cost and retail method), Cost sheet and Retail pricing strategy

Unit 6 (Design Development): Theme of the project, Research, Finalization of Theme, Mood board, client, Story Board, Ideation Board, Colour Palette and Fabric Chart, Sourcing. Finalization of designs.

Unit 7 (Pattern Development): Flat working drawings, specification sheets. Line planning, Fabric Indications, Fabric Consumption detailed measurement charts. Development of basic blocks, Pattern making and layout. Construction with actual fabric

Unit 8 (Photoshoot): development of design and photoshoot for presentation

5. Course Map (CO-PO-PSO Map)

	Programme Outcomes (POs)												Programme Specific Outcomes (PSOs)			
	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10	PO-11	PO-12	PSO-1	PSO-2	PSO-3	PSO-4
CO-1	3	3	3		3	1	1	1		1			3	3	3	
CO-2	3	3	3		3	1	1	1		1			3	3	3	
CO-3	3	3	3		3	1	1			1			3	3	3	
CO-4	3	3	3		3	1		1		1			3	3	3	
CO-5	3	3	3		3	1				1			3	3	3	
CO-6	3	3	3					1		1			3	3	3	

3: Very Strong Contribution, 2: Strong Contribution, 1: Moderate Contribution

6. Course Teaching and Learning Methods

Teaching and Learning Methods	Duration in hours	Total Duration in Hours
Face to Face Lectures		
Demonstrations		30
1. Demonstration using Videos	06	
2. Demonstration using Physical Models / Systems	18	
3. Demonstration on a Computer	06	
Numeracy		
1. Solving Numerical Problems	00	
Practical Work		58
1. Course Laboratory	00	
2. Computer Laboratory	58	
3. Engineering Workshop / Course/Workshop / Kitchen	00	
4. Clinical Laboratory	00	
5. Hospital	00	

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RUAS Programme Structure and Course Details of M. Des. Fashion Design 2022-2023

6. Model Studio	00	30
Others		
Assignment Discussion / Related Activities	03	
2. Case Study Presentation	15	
3. Guest Lecture	00	
4. Industry/Field Visit	00	
5. Brain Storming Sessions	00	
6. Group Discussions	12	
7. Discussing Possible Innovations	00	
Student Presentation, Laboratory Examination, Written Examination		10
Total Duration in Hours		130

7. Course Assessment and Reassessment

The details of the components and subcomponents of course assessment are presented in the Programme Specifications document pertaining to the B.Des. (Fashion Design) Programme. The procedure to determine the final course marks is also presented in the Programme Specifications document.

The evaluation questions are set to measure the attainment of the COs. In either component (CE or SEE) or subcomponent of CE (SC1, SC2), COs are assessed as illustrated in the following Table.

Focus of Cos on each Component or Subcomponent of Evaluation		
Subcomponent ▶	Component 1: CE (50% Weightage)	Component 2: SEE (50% Weightage)
	SC1	
Subcomponent Type ▶	Creative Work Submission	100 Marks
Maximum Marks ▶	50	
CO-1	X	
CO-2	X	X
CO-3	X	X
CO-4	X	X
CO-5	X	
CO-6		X

The details of SC1 are presented in the Programme Specifications Document.

The Course Leader assigned to the course, in consultation with the Head of the Department, shall provide the focus of COs in each component of assessment in the above template at the beginning of the semester.

Course reassessment policies are presented in the Academic Regulations document.

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RUAS Programme Structure and Course Details of M. Des. Fashion Design 2022-2023

8. Achieving COs

The following skills are directly or indirectly imparted to the students in the following teaching and learning methods:

S. No	Curriculum and Capabilities Skills	How imparted during the course
1.	Knowledge	Class room lectures and laboratory instructions
2.	Understanding	Class room lectures, laboratory instructions and demonstrations
3.	Critical Skills	Creative Work Submission
4.	Analytical Skills	Class room, laboratory, Creative Work Submission
5.	Problem Solving Skills	Laboratory, Creative Work Submission
6.	Practical Skills	Laboratory, Creative Work Submission
7.	Group Work	Creative Work Submission, laboratory
8.	Self-Learning	Creative Work Submission
9.	Written Communication Skills	Creative Work Submission, Examination
10.	Verbal Communication Skills	Presentation
11.	Presentation Skills	Presentation
12.	Behavioral Skills	Course
13.	Information Management	Creative Work Submission, examination, laboratory,
14.	Leadership Skills	Effective management of learning, time management, achieving the learning outcomes

9. Course Resources

a. Essential Reading

1. Class Notes
2. Karl. A., (2009), Fashioning Society, Fairchild Publication

b. Recommended Reading

1. Dickerson K.G., (2003), Inside the Fashion Business, 7th Edition, Pearson Education
2. Kieser S.J., Garner M.B., (2008), Beyond Design, 2nd Edition, Fairchild Publication
3. Wolbers, M. F., (2009), Uncovering Fashion, Fairchild Books
4. LoAlbo, S. (2009) Vintage Fashion Accessories. Krause Publications

c. Magazines and Journals

1. InStyle, Time Inc, US
2. Fashion, St. Joseph Media, Canada
3. Vogue, Condé Nast Publications, United Kingdom
4. Harper's Bazaar, Hearst Magazines publishers, USA

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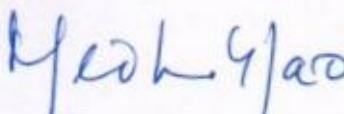
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d. Websites

1. www.style.com/fashion
2. www.thefashionspot.com

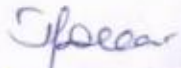
e. Other Electronic Resources


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RUAS Programme Structure and Course Details of M. Des. Fashion Design 2022-2023

Course Specifications: Skill Enhancement Course - 2

Course Title	Skill Enhancement Course - 2
Course Code	19SEM502B
Course Type	Core Practical Course
Department	Fashion Design
Faculty	Art and Design

1. Course Summary

The aim of this course is to provide opportunity for skill enhancement through exploration, practice and academic reflection catering to individual curiosity, ability and new learnings. The students may choose to participate in any one of the following,

- Art and Design exhibitions and shows
- National & International design competition
- Field / Industrial visit
- Fashion Show
- Mooc Course

2. Course Size and Credits:

Number of Credits	02
Credit Structure (Lecture: Tutorial: Practical)	0:0:2
Total Hours of Interaction	70
Number of Weeks in a Semester	15
Department Responsible	Fashion Design
Total Course Marks	50
Pass Criterion	As per the Academic Regulations
Attendance Requirement	As per the Academic Regulations

3. Course Outcomes (COs)

After the successful completion of this course, the student will be able to:

- CO-1. Synthesize the challenges and objectives of the chosen task
- CO-2. Discuss the effectiveness of the task performed
- CO-3. Prepare effective presentations to communicate ideas / concepts / new learnings

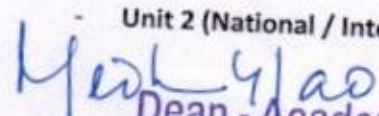
4. Course Contents

Unit 1 (Art and Design Exhibitions and Shows): Participate in Art and Design exhibitions and shows in the creative field of study. Exhibitions and shows may involve a physical exhibit in the form of displays / poster / model / video and such other art work

Unit 2 (National / International Design Competition): Participate in any National /


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International design competition relevant to the creative field of study. National / International design competition may involve a physical exhibit in the form of displays / poster / model / video and such other art work

Unit 3 (Fashion shows): Participate in Fashion exhibitions and shows in the creative field of study. Exhibitions and shows may involve a physical exhibit in the form of displays / poster / model / video and such other art work

- **Unit 4 (Field / Industrial visit):** Visit industry / field in the creative field of study Capturing / Studying / Understanding the essence & system of the place of the study
-
- **Unit 5 (Mooc Course):** Enroll in any Mooc Courses in the creative field of study
Mooc Course may involve acquiring knowledge and upgrading skill in any chosen field of study

5. Course Map (CO-PO-PSO Map)

	Programme Outcomes (POs)												Programme Specific Outcomes (PSOs)			
	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10	PO-11	PO-12	PSO-1	PSO-2	PSO-3	PSO-4
CO-1			1		1	1			2	2		1	1		2	1
CO-2	1		1		1	1	1		2			1			2	1
CO-3									2	3		1		1	2	3
CO-4																
CO-5																

3: Very Strong Contribution, 2: Strong Contribution, 1: Moderate Contribution

6. Course Teaching and Learning Methods

Teaching and Learning Methods	Duration in hours	Total Duration in Hours
Face to Face Lectures		00
Demonstrations		00
1. Demonstration using Videos	00	
2. Demonstration using Physical Models / Systems	00	
3. Demonstration on a Computer	00	
Numeracy		00
1. Solving Numerical Problems	00	
Practical Work		00
1. Course Laboratory	00	
2. Computer Laboratory	00	
3. Engineering Workshop / Course/Workshop / Kitchen	00	
4. Clinical Laboratory	00	
5. Hospital	00	
6. Model Studio	00	

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Others		60
1. Case Study Presentation/ Exhibition / Design Competition / Field work / Mooc Course	60	
2. Guest Lecture	00	
3. Industry / Field Visit	00	
4. Brain Storming Sessions	00	
5. Group Discussions	00	
6. Discussing Possible Innovations	00	
Term Tests, Laboratory Examination/Written Examination, Presentations	10	
Total Duration in Hours		70

7. Course Assessment and Reassessment

The details of the components and subcomponents of course assessment are presented in the Programme Specifications document pertaining to the M. Des. (Fashion Design) Programme. The procedure to determine the final course marks is also presented in the Programme Specifications document.

The evaluation questions are set to measure the attainment of the COs. In either component (CE or SEE) COs are assessed as illustrated in the following Table.

Focus of COs on each Component or Subcomponent of Evaluation	
	Component 2: SEE (50% Weightage)
Subcomponent ▶	
Subcomponent Type ▶	
Maximum Marks ▶	50 Marks
CO-1	x
CO-2	x
CO-3	x

The Course Leader assigned to the course, in consultation with the Head of the Department, shall provide the focus of COs in each component of assessment in the above template at the beginning of the semester.

Course reassessment policies are presented in the Academic Regulations document.

8. Achieving COs

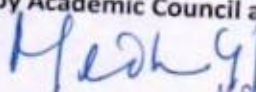
The following skills are directly or indirectly imparted to the students in the following teaching and learning methods:

S. No	Curriculum and Capabilities Skills	How imparted during the course
1.	Knowledge	Classroom lectures
2.	Understanding	Classroom lectures, Self-study
3.	Critical Skills	Assignment
4.	Analytical Skills	Assignment
5.	Problem Solving Skills	Assignment, Examination
6.	Practical Skills	Assignment
7.	Group Work	--
8.	Self-Learning	Self-study


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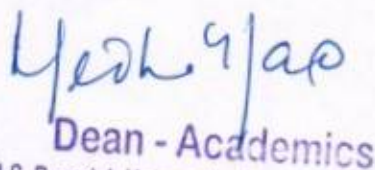
9.	Written Communication Skills	Assignment, Examination
10.	Verbal Communication Skills	--
11.	Presentation Skills	--
12.	Behavioral Skills	--
13.	Information Management	Assignment
14.	Personal Management	--
15.	Leadership Skills	--

9. Course Resources

- a. Essential Reading
- b. Recommended Reading
- c. Magazines and Journals
- d. Websites
- e. Other Electronic Resources

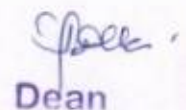


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RUAS Programme Structure and Course Details of M. Des. Fashion Design 2022-2023

Course Specifications: Dissertation and Publication

Course Title	Dissertation and Publication
Course Code	19FSD600B
Course Type	Core Practical Course
Department	Fashion Design
Faculty	Art and Design

1. Course Summary

This Course is intended to give an insight to the students on application of principles of research methodology, preparation of research project proposal, research project management, execution of research project and effective technical communication and presentation. It also emphasizes the need and the relevance of a structured approach to identify a research topic and undertake research. This Course provides an opportunity for students to apply theories and techniques learnt during programme work. It involves in-depth work in the chosen area of study.

2. Course Size and Credits:

Number of Credits	20
Credit Structure (Lecture: Tutorial: Practical)	0:0:20
Total Hours of Interaction	810
Number of Weeks in a Semester	20
Department Responsible	Fashion Design
Total Course Marks	400
Pass Criterion	As per the Academic Regulations
Attendance Requirement	As per the Academic Regulations

3. Course Outcomes (COs)

After the successful completion of this course, the student will be able to:

- CO-1. Critically review scholarly literature collected from various sources for the project purpose and formulate a research problem
- CO-2. Prepare and present a research proposal
- CO-3. Conduct research to achieve research objectives
- CO-4. Propose new ideas/methodologies or procedures for further improvement of the research undertaken
- CO-5. Create research document and write research papers for publications and defend the research findings in front of scholarly audience

4. Course Contents


- Unit 1: Research Methodology
- Unit 2: Information search, retrieval and review
- Unit 3: Project definition and project planning
- Unit 4: Use of conceptual models and frameworks
- Unit 5: Problem solving and Evaluation
- Unit 6: Interpretations and drawing conclusions
- Unit 7: Proposing ideas or methods for further work
- Unit 8: Thesis writing
- Unit 9: Oral presentation


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RUAS Programme Structure and Course Details of M. Des. Fashion Design 2022-2023

Unit 10: Authoring Research paper

5. Course Map (CO-PO-PSO Map)

	Programme Outcomes (POs)												Programme Specific Outcomes (PSOs)			
	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10	PO-11	PO-12	PSO-1	PSO-2	PSO-3	PSO-4
CO-1		3			1	1							1	3		
CO-2			2	3	2	1							1	2		
CO-3			2	3	2	1							1		3	1
CO-4			2	3	2	1							1		3	1
CO-5						1	1	1		2	3	2	1	2	3	1

3: Very Strong Contribution, 2: Strong Contribution, 1: Moderate Contribution

6. Course Teaching and Learning Methods

Topics	Teaching methods	Hours
Information search, retrieval and review, Project definition and project planning	Reading Journal papers , books and other relevant materials and problem formulation	100
	Presentation to Reviewers	40
Use of conceptual models and frameworks	Individual work with supervisors guidance	150
Problem solving and Evaluation	Individual work with supervisors guidance	100
Interpretations and drawing conclusions	Individual work with supervisors guidance	100
Proposing ideas or methods for further work	Individual work with supervisors guidance	100
Presentation ,Thesis/Report Writing and Viva Voce, Authoring Research paper	Presentation and Viva voce	30
	Thesis/Report writing, Authoring research paper	150
	Video creation	15
Tests/Examinations/presentations		25
Total		810.00

7. Course Assessment and Reassessment

The details of the components and subcomponents of course assessment are presented in the Programme Specifications document pertaining to the M. Des. (Fashion Design) Programme. The procedure to determine the final course marks is also presented in the Programme Specifications document.

The evaluation questions are set to measure the attainment of the COs. In either component (CE or SEE) or subcomponent of CE (SC1 and SC2), COs are assessed as illustrated in the following Table.

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Focus of COs on each Component or Subcomponent of Evaluation			
Subcomponent ▶	Component 1: CE (50% Weightage)		Component 2: SEE (50% Weightage)
	SC1	SC2	
Subcomponent Type ▶	Interim Presentation	Final presentation	200 Marks
Maximum Marks ▶	100	100	
CO-1	x	x	x
CO-2	x	x	x
CO-3	x	x	x
CO-4	x	x	x
CO-5	x	x	x
The details of SC1 and SC2 are presented in the Programme Specifications Document.			

The Course Leader assigned to the course, in consultation with the Head of the Department, shall provide the focus of COs in each component of assessment in the above template at the beginning of the semester.

Course reassessment policies are presented in the Academic Regulations document.

8. Achieving COs

The following skills are directly or indirectly imparted to the students in the following teaching and learning methods:

S.No	Curriculum and Capabilities Skills	How imparted during the Course
1.	Knowledge	Dissertation work
2.	Understanding	Dissertation work
3.	Critical Skills	Dissertation work
4.	Analytical Skills	Dissertation work
5.	Problem Solving Skills	Dissertation work
6.	Practical Skills	Dissertation work
7.	Group Work	Dissertation work
8.	Self-Learning	Dissertation work
9.	Written Communication Skills	Report writing
10.	Verbal Communication Skills	Presentation
11.	Presentation Skills	Presentation
12.	Behavioural Skills	Dissertation work
13.	Information Management	Dissertation work
14.	Leadership Skills	Effective management of learning, time management, achieving the learning outcomes

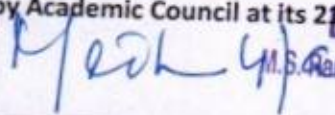
9. Course Resources

- a. **Essential Reading**
Lecture Sessions on individual project, Thesis Preparation delivered by the concerned Head of Dept.
- b. **Recommended Reading**
- c. **Magazines and Journals**
- d. **Websites**
- e. **Other Electronic Resources**


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