



B.Sc. Cosmetology and Dermatology (8 Semesters)

Overview: B.Sc. in Cosmetology and Dermatology is an undergraduate program designed to provide students with knowledge and skills in skincare, beauty treatments, and dermatological sciences. The course focuses on the science behind skincare, cosmetic procedures, and treatments that address both aesthetic and medical dermatological concerns. The program combines theoretical learning with practical experience, preparing students to work in clinics, beauty spas, wellness centers, and cosmetic industries. It also provides students with the foundation for further specialization in dermatology, skin health, and beauty therapy.

Affiliated Institution: School of Medical Sciences and Technology, Malla Reddy Vishwavidyapeeth (Deemed to be University)** The minimum eligibility for B.Sc. Cosmetology and Dermatology is a pass in 10+2 with at least 50% marks in Physics, Chemistry and Biology from a recognized board (CBSE/ISC/PUC) or equivalent

Key Highlights:

- **Comprehensive Curriculum:** Students are introduced to various aspects of cosmetology, including skin care, hair care, beauty treatments, and dermatology. The curriculum also covers medical dermatology, offering insight into how skin conditions and disorders are treated.
- **Practical Training:** Includes hands-on practice in beauty treatments, skincare routines, dermatological procedures, and cosmetology technology, with internship opportunities in reputed beauty clinics and dermatology centers.
- **Combination of Beauty and Health Sciences:** The program combines both aesthetic and medical aspects of dermatology and cosmetology, making it ideal for those interested in beauty as well as skin health.
- **Emerging Industry:** The beauty and dermatology industry has witnessed rapid growth, creating a significant demand for trained professionals with expertise in both skincare and dermatological treatments.
- **Interdisciplinary Approach:** The program involves learning the science behind beauty and skin treatments, making it suitable for students aiming to work in the healthcare sector, cosmetic industries, or beauty salons.

Course Curriculum:

The curriculum spans three years, covering various theoretical subjects along with practical training and internships. Here's an overview of typical subjects:

Year 1:

- **Introduction to Cosmetology & Dermatology**
- **Anatomy and Physiology of the Skin**
- **Basic Skin Care and Treatments**
- **Hair Care and Hairdressing**



- **Fundamentals of Beauty Therapy**
- **Cosmetic Chemistry**
- **Health and Hygiene**

Year 2:

- **Advanced Cosmetology and Skin Treatments**
- **Medical Dermatology (Introduction)**
- **Facial Treatments and Massages**
- **Make-up Artistry and Bridal Make-up**
- **Skin Disorders and Treatment**
- **Hair Removal Techniques**
- **Cosmetic Surgery (Introduction)**

Year 3:

- **Advanced Dermatological Procedures**
- **Anti-aging Treatments and Skin Rejuvenation**
- **Cosmetic Dermatology and Skin Care Innovations**
- **Nail Care and Pedicures**
- **Body Treatments and Spa Therapies**
- **Entrepreneurship in Cosmetology**
- **Internship and Practical Training**

Additional/Optional Modules:

- **Laser Treatments and Procedures**
- **Advanced Beauty Therapy Technologies**
- **Nutritional Support for Skin Health**
- **Plastic Surgery and Dermatology**
- **Spa and Wellness Management**



PROGRAM OUTCOMES (POs)

PO	Program Outcomes
PO-1	Comprehensive Knowledge in Cosmetology & Dermatology Graduates will acquire in-depth knowledge of skin, hair, and nail disorders, aesthetic dermatology, cosmetic science, and clinical dermatological treatments, integrating medical and applied sciences.
PO-2	Clinical Competence and Patient-Centric Care Graduates will develop expertise in diagnosing and managing dermatological conditions, performing cosmetic procedures, and ensuring holistic patient care using evidence-based practices.
PO-3	Research and Innovation in Dermatological Science Graduates will cultivate research skills to analyze dermatological concerns, explore advancements in cosmetology, and contribute to innovative treatment methodologies.
PO-4	Interdisciplinary Collaboration and Professionalism Graduates will demonstrate communication, teamwork, and ethical decision-making skills while working with healthcare professionals, cosmetologists, and dermatologists
PO-5	Lifelong Learning and Community Engagement Graduates will exhibit a commitment to continuous professional development and actively participate in public awareness programs on skincare, dermatological health, and cosmetic treatments



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COURSE STRUCTURE – B.Sc. Cosmetology & Dermatology

Semester 1

Sl. No.	Broad Category	Course Code	Name of the Subject/Practical	Contact hours/week			Credits
				L	T	P	
1.	Major (Core)	BSCD101	Introduction to Cosmetology & Dermatology	2	1	0	3
2.		BSCD 102	Human Anatomy & Skin Physiology	2	1	0	3
3.		BSCD 103	Basics of Dermatological Sciences	2	1	0	3
4.		BSCD 104	Introduction to Aesthetic Procedures	1	0	2	2
5.	Minor Select any two minor courses, each worth 2 credits, for a maximum of 4 credits per semester	BSCD 105	1. Fundamentals of Cosmetic Science 2. Basic Chemistry of Skin & Hair Products 3. Fundamentals of Human Nutrition & Skin Health 4. Introduction to Aromatherapy & Essential Oils 5. Basics of Ayurveda & Herbal Skin Care 6. Fundamentals of Personal Grooming & Styling	1 1	1 1	0 0	4
6.	Skill Enhancement Courses	BSCD 106	1. Basic Skin & Hair Analysis Techniques 2.Basic Massage & Facial Therapy Skills	0 0	0 0	2 2	2
7.	Ability Enhancement Courses	BSCD 107	1. English Communication Skills 2. Medical Ethics & Safety Standards in Aesthetics	0	0	2	1
8.	Value-Added Courses	BSCD 108	1. Holistic Wellness & Mindful Beauty Practices for Skin Health 2. Basics of Organic & Natural Skincare Formulations	1	0	2	2
Total				10	5	10	20
Total Contact Hours				25			



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Course Outcome for B.sc cosmetology & Dermatology MAJOR- Introduction to Cosmetology & Dermatology

Sr. No.	Course Outcome	Description
1	Understand the Basics of Cosmetology and Dermatology	Define the fundamental concepts of cosmetology and dermatology, including the importance of skin health, personal grooming, and cosmetic treatments in the beauty industry.
2	Study the Structure and Function of the Skin	Learn about the anatomy and physiology of the skin, its layers, functions, and its role in protecting the body, regulating temperature, and excreting waste.
3	Explore Common Dermatological Conditions	Investigate common skin conditions such as acne, eczema, psoriasis, and rosacea, including their causes, symptoms, and treatment options.
4	Learn the Basics of Skin Care and Maintenance	Understand the importance of skincare routines, including cleansing, exfoliating, moisturizing, and sun protection, and how these practices contribute to skin health.
5	Study Cosmetic Procedures and Treatments	Explore non-invasive cosmetic treatments such as facials, chemical peels, microdermabrasion, and laser therapies, and their effects on skin health and appearance.
6	Examine the Role of Dermatologists in Skin Care	Learn about the role of dermatologists in diagnosing and treating skin diseases, as well as their involvement in cosmetic procedures for skin rejuvenation.
7	Understand Hair and Nail Care in Cosmetology	Study the basics of hair and nail care, including common conditions (e.g., dandruff, hair loss, nail infections) and treatments to maintain hair and nail health.
8	Explore the Use of Cosmetics and Personal Grooming Products	Gain knowledge about different types of cosmetic products, their ingredients, applications, and how they can be safely used for enhancing appearance and skincare.
9	Learn the Ethical and Safety Practices in Cosmetology	Understand the importance of hygiene, safety protocols, and ethical considerations in cosmetology practices to prevent skin damage, infections, and other adverse effects.
10	Apply Knowledge of Cosmetology & Dermatology to Client Care	Develop the skills to assess client needs, recommend appropriate skincare treatments, and provide professional guidance on maintaining healthy skin, hair, and nails.

Course Outcome for B.sc cosmetology & Dermatology MAJOR-Human Anatomy & Skin Physiology



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Sr. No.	Course Outcome	Description
1	Understand the Structure and Functions of the Human Body	Define the major structures of the human body, including organ systems, tissues, and cells, and explain their physiological functions in maintaining homeostasis.
2	Study the Anatomy of the Skin and its Layers	Learn about the structure and function of the skin, including its layers (epidermis, dermis, hypodermis), and their roles in protecting the body and regulating temperature.
3	Explore Skin Physiology and Homeostasis	Understand how the skin functions to maintain homeostasis, including temperature regulation, hydration, and protection against pathogens and UV radiation.
4	Investigate the Role of Skin Appendages (Hair, Nails, Sweat Glands)	Study the structure and function of skin appendages such as hair, nails, sebaceous glands, and sweat glands, and their roles in overall skin health and function.
5	Learn the Mechanisms of Skin Repair and Healing	Examine the processes involved in skin wound healing, including inflammation, proliferation, and remodeling phases, and how the skin repairs itself after injury.
6	Study the Role of Skin in Sensory Perception	Understand how the skin contributes to sensory perception through receptors that detect temperature, pressure, pain, and touch, and how the nervous system processes this information.
7	Explore the Impact of Environmental Factors on Skin Health	Investigate how environmental factors such as UV exposure, pollution, and climate affect skin health, leading to conditions like premature aging or skin cancer.
8	Examine the Physiology of Skin Pigmentation and Melanin Production	Learn about the mechanisms behind skin pigmentation, the role of melanin, and how the skin adapts to environmental changes like sun exposure.
9	Understand the Interaction Between Skin and Other Body Systems	Study how the skin interacts with other body systems, including the immune system, circulatory system, and endocrine system, to maintain overall health.
10	Apply Knowledge of Human Anatomy & Skin Physiology to Clinical Practice	Apply understanding of human anatomy and skin physiology to clinical settings, including the diagnosis and management of skin diseases and disorders.

Course Outcome for B.sc cosmetology & Dermatology MAJOR-Basics of Dermatological Sciences



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Sr. No.	Course Outcome	Description
1	Understand the Fundamental Principles of Dermatology	Define dermatology as a medical field, understand its scope, and explain the importance of skin health and diseases in general medicine.
2	Study the Structure and Functions of the Skin	Learn about the anatomy of the skin, including its layers (epidermis, dermis, and hypodermis) and its physiological functions such as protection, sensation, and thermoregulation.
3	Identify Common Dermatological Conditions	Investigate common skin diseases and disorders like acne, eczema, psoriasis, dermatitis, skin infections, and pigmentation disorders, including their symptoms, causes, and treatment.
4	Learn the Basic Techniques for Skin Examination and Diagnosis	Understand the methods used to examine the skin, including visual inspections, palpation, and the use of diagnostic tools like dermatoscopy, biopsy, and patch testing.
5	Explore Dermatological Treatments and Therapies	Study the various treatment options for dermatological conditions, including topical therapies, oral medications, light therapies, and advanced dermatological interventions.
6	Understand the Role of Genetics and Environment in Skin Health	Examine the influence of genetic factors and environmental elements such as UV exposure, pollution, and diet on skin health and the development of dermatological diseases.
7	Investigate the Impact of Skin Aging and Anti-Aging Strategies	Study the biological processes of skin aging and explore dermatological approaches for managing signs of aging, including wrinkle formation, loss of elasticity, and pigmentation changes.
8	Explore the Mechanisms of Skin Repair and Wound Healing	Learn about the processes involved in skin wound healing, including inflammation, epithelialization, and scar formation, and how dermatological treatments support healing.
9	Understand the Role of the Immune System in Dermatology	Explore how the immune system interacts with the skin, focusing on inflammatory skin conditions like psoriasis, allergic reactions, and autoimmune skin diseases.
10	Apply Dermatological Knowledge in Clinical Practice	Develop the skills to assess, diagnose, and treat common dermatological conditions in clinical settings, focusing on patient care and appropriate therapeutic interventions.

Course Outcome for B.sc cosmetology & Dermatology MAJOR-Introduction to Aesthetic Procedures



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Sr. No.	Course Outcome	Description
1	Understand the Fundamentals of Aesthetic Procedures	Define aesthetic procedures and their role in enhancing or restoring the appearance of individuals through non-invasive or minimally invasive treatments.
2	Study the Types of Non-invasive Aesthetic Treatments	Learn about popular non-invasive aesthetic treatments such as chemical peels, microdermabrasion, laser treatments, and Botox injections, and their indications and benefits.
3	Explore Minimally Invasive Procedures	Understand the principles and applications of minimally invasive procedures like dermal fillers, liposuction, and laser resurfacing, including their advantages and risks.
4	Learn about Skin Rejuvenation Techniques	Study methods for skin rejuvenation, such as collagen induction therapy, microneedling, and PRP (platelet-rich plasma) therapy, and their mechanisms of action.
5	Understand the Principles of Laser and Light-Based Therapies	Explore the principles behind laser treatments, including laser hair removal, tattoo removal, and skin resurfacing, and understand how different wavelengths affect the skin.
6	Investigate Facial Aesthetic Procedures	Learn about aesthetic procedures specifically focused on facial enhancement, including rhinoplasty, botulinum toxin (Botox), and facial contouring.
7	Examine Body Contouring and Fat Reduction Techniques	Study body contouring procedures such as cryolipolysis (fat freezing), ultrasound fat reduction, and radiofrequency treatments for reshaping the body.
8	Understand Patient Assessment for Aesthetic Treatments	Learn how to assess a patient's suitability for aesthetic procedures, considering factors such as skin type, medical history, and aesthetic goals.
9	Study Post-treatment Care and Maintenance	Explore the importance of aftercare following aesthetic procedures, including managing potential side effects, recovery timelines, and maintaining results.
10	Learn Ethical Considerations and Safety Protocols in Aesthetic Practices	Understand the ethical considerations, risks, and safety protocols involved in performing aesthetic procedures to ensure patient well-being and satisfaction.

Course Outcome for B.sc cosmetology & Dermatology MINOR- Fundamentals of Cosmetic Science



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Sr. No.	Course Outcome	Description
1	Understand the Basics of Cosmetic Science	Define cosmetic science, including the key concepts and principles behind the creation and development of cosmetic products.
2	Explore the Role of Ingredients in Cosmetic Products	Study the various ingredients used in cosmetics, their functions, properties, and how they interact with skin, hair, and other body parts.
3	Learn About the Product Formulation Process	Understand the steps involved in formulating cosmetic products, including emulsification, preservation, and the blending of active ingredients.
4	Study the Principles of Cosmetic Chemistry	Explore the chemical principles behind cosmetic formulations, including surfactants, preservatives, stabilizers, and the importance of pH balance in product formulation.
5	Investigate the Regulatory Standards in Cosmetic Science	Learn about global regulations and safety standards in the cosmetic industry (FDA, EU, etc.), including product testing, claims, and labeling requirements.
6	Understand the Different Types of Cosmetic Products	Study the types of cosmetic products, such as skincare, haircare, color cosmetics, and fragrances, including their formulation and intended use.
7	Examine the Testing and Safety of Cosmetic Products	Investigate the various methods of testing cosmetic products for safety, efficacy, and stability, including dermatological testing and consumer safety protocols.
8	Explore the Impact of Cosmetics on Skin Health	Understand how cosmetic products can affect skin health, including benefits such as moisturization, anti-aging, and treatments for specific conditions.
9	Learn the Principles of Cosmetic Packaging	Study the importance of packaging in cosmetics, including material choices, sustainability, and how packaging impacts product preservation and consumer perception.
10	Apply Knowledge of Cosmetic Science to Real-World Applications	Utilize the principles of cosmetic science to create product formulations, solve cosmetic formulation challenges, and apply this knowledge in product development and marketing.

Course Outcome for B.sc cosmetology & Dermatology MINOR- Basic Chemistry of Skin & Hair Products



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Sr. No.	Course Outcome	Description
1	Understand the Chemical Composition of Skin & Hair Products	Define the key chemical components found in skin and hair products, including surfactants, emulsifiers, humectants, preservatives, and active ingredients.
2	Study the Role of Surfactants in Skin and Hair Care	Learn about surfactants and their importance in cleansing products for skin and hair, focusing on their ability to reduce surface tension and facilitate the removal of dirt and oils.
3	Explore Emulsification and Formulation in Cosmetics	Understand the process of emulsification, the creation of stable mixtures of oil and water, and its application in creating lotions, creams, and hair conditioners.
4	Investigate Active Ingredients in Skin & Hair Care Products	Study the active ingredients used in skin and hair products, such as vitamins, peptides, oils, and botanical extracts, and how they contribute to product efficacy.
5	Examine the Role of pH in Skin and Hair Care Products	Learn the significance of pH balance in cosmetics and personal care products, and how it affects the skin barrier, scalp health, and product performance.
6	Understand the Function of Preservatives in Cosmetic Products	Explore the importance of preservatives in skin and hair care products, including how they prevent microbial growth and ensure the safety and longevity of products.
7	Study the Chemistry of Skin Hydration and Moisturization	Investigate the chemical mechanisms that allow moisturizers to hydrate the skin, focusing on humectants, occlusives, and emollients in moisturizing products.
8	Learn about the Impact of Hair Treatment Chemicals	Explore how chemicals in hair treatments such as shampoos, conditioners, hair dyes, and straightening products work on the hair structure and affect hair health.
9	Examine the Safety and Stability of Skin and Hair Products	Understand the principles behind testing the safety, stability, and efficacy of cosmetic products, including stability testing, irritation studies, and allergic reactions.
10	Apply Knowledge of Chemistry in Developing Skin and Hair Care Products	Develop skills to formulate skin and hair care products by applying knowledge of chemistry, ingredients, and their interactions to create effective and safe products.

Course Outcome for B.sc cosmetology & Dermatology MINOR- Fundamentals of Human Nutrition & Skin Health



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Sr. No.	Course Outcome	Description
1	Understand the Role of Nutrition in Skin Health	Define the connection between nutrition and skin health, emphasizing how diet affects skin appearance, texture, and the development of skin conditions.
2	Study Essential Nutrients for Skin Health	Learn about essential nutrients for skin health, including vitamins (A, C, E, D), minerals (zinc, selenium), and fatty acids, and their roles in maintaining healthy skin.
3	Explore the Impact of Hydration on Skin Health	Understand the importance of hydration for skin health, and study how adequate water intake contributes to skin elasticity, moisture retention, and overall appearance.
4	Investigate the Effects of Antioxidants on Skin Aging	Study how antioxidants, such as vitamins C and E, protect the skin from oxidative stress and free radical damage, and how they help slow down skin aging.
5	Examine the Relationship Between Diet and Common Skin Conditions	Learn how certain foods and nutrients may influence skin conditions like acne, eczema, rosacea, and psoriasis, and how dietary modifications can help manage these conditions.
6	Study the Role of Fatty Acids in Skin Health	Investigate the importance of omega-3 and omega-6 fatty acids in skin health, focusing on their role in maintaining skin barrier function and reducing inflammation.
7	Understand the Role of Proteins in Skin Structure and Repair	Explore how proteins such as collagen and elastin contribute to skin structure, repair, and elasticity, and the nutritional support needed to optimize their production.
8	Learn the Role of Gut Health in Skin Appearance	Examine the connection between gut health, the microbiome, and skin health, including how digestion and nutrient absorption affect the skin's condition and appearance.
9	Investigate the Impact of Sugar and Refined Carbohydrates on Skin	Study how high sugar intake and refined carbohydrates contribute to skin conditions like acne, inflammation, and premature aging.
10	Apply Nutritional Knowledge to Enhance Skin Care Practices	Develop skills to create personalized nutritional strategies for improving skin health, including dietary changes, supplements, and the use of functional foods for skin care.

Course Outcome for B.sc cosmetology & Dermatology MINOR- Introduction to Aromatherapy & Essential Oils



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Sr. No.	Course Outcome	Description
1	Understand the Basics of Aromatherapy	Define aromatherapy, its historical roots, and its use as a holistic healing practice. Understand how essential oils are used to promote emotional, mental, and physical well-being.
2	Study the Extraction Methods of Essential Oils	Learn about the various methods of extracting essential oils from plants, including distillation, cold pressing, and solvent extraction.
3	Explore the Therapeutic Uses of Essential Oils	Investigate the medicinal and therapeutic properties of essential oils, such as relaxation, pain relief, mood enhancement, and stress reduction.
4	Understand the Chemical Composition of Essential Oils	Study the chemical constituents of essential oils, including terpenes, esters, phenols, and aldehydes, and their impact on the body and mind.
5	Learn About the Benefits of Common Essential Oils	Identify and understand the health benefits of common essential oils such as lavender, peppermint, tea tree, eucalyptus, and chamomile, and their uses in aromatherapy.
6	Investigate the Role of Aromatherapy in Skin Care	Examine how essential oils are incorporated into skin care products, focusing on their anti-inflammatory, antiseptic, and anti-aging properties.
7	Study the Safety Considerations in the Use of Essential Oils	Understand the safety guidelines and precautions for using essential oils, including dilution ratios, potential allergic reactions, and contraindications for certain conditions.
8	Explore the Role of Aromatherapy in Stress and Pain Management	Learn how aromatherapy is used to reduce stress, anxiety, and pain, including the use of essential oils in massage, inhalation, and topical application.
9	Examine the Application Techniques for Essential Oils	Study the different methods of applying essential oils, including inhalation, diffusion, topical application, and massage, and how each method can be used therapeutically.
10	Learn the Ethical and Environmental Impact of Essential Oil Production	Explore the ethical considerations surrounding the sourcing, production, and sustainability of essential oils, including fair trade and environmentally-friendly practices.

Course Outcome for B.sc cosmetology & Dermatology MINOR- Basics of Ayurveda & Herbal Skin Care



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Sr. No.	Course Outcome	Description
1	Understand the Principles of Ayurveda	Define the core principles of Ayurveda, including the concepts of Doshas (Vata, Pitta, and Kapha), and how they relate to overall health and skin care.
2	Study the Role of Ayurveda in Skin Health	Explore how Ayurveda emphasizes balance in the body and mind and how this balance affects skin health, focusing on Ayurvedic approaches to preventing and treating skin conditions.
3	Learn About Herbal Remedies for Skin Care	Study the herbal ingredients used in Ayurvedic skin care, such as turmeric, neem, sandalwood, and aloe vera, and their therapeutic effects on the skin.
4	Investigate Ayurvedic Treatments for Common Skin Conditions	Understand Ayurvedic treatments for common skin conditions, such as acne, eczema, pigmentation, and aging, focusing on herbal remedies and natural therapies.
5	Explore the Concept of Panchakarma for Skin Detoxification	Learn about the Ayurvedic detoxification process known as Panchakarma , and how it helps to cleanse the body and rejuvenate the skin.
6	Understand the Use of Ayurvedic Oils and Massages for Skin Health	Investigate the use of Ayurvedic oils (e.g., sesame oil, coconut oil) and therapeutic massages (Abhyanga) in promoting skin health, relaxation, and rejuvenation.
7	Study the Role of Diet and Lifestyle in Ayurvedic Skin Care	Learn how Ayurveda emphasizes the role of diet and lifestyle in skin health, focusing on food choices, sleep, stress management, and exercise for healthy skin.
8	Investigate Herbal Skin Care Formulations and Preparations	Understand how to create and formulate herbal skin care products, such as oils, creams, and masks, using Ayurvedic principles and herbal ingredients.
9	Explore the Integration of Ayurveda and Modern Skin Care Practices	Study how Ayurveda can complement modern skin care practices and products, bridging the gap between ancient wisdom and contemporary cosmetic science.
10	Learn the Ethical and Sustainable Sourcing of Ayurvedic Ingredients	Understand the importance of ethical sourcing, sustainability, and fair trade in obtaining Ayurvedic herbs and ingredients for skin care products.

Course Outcome for B.sc cosmetology & Dermatology MINOR- Fundamentals of Personal Grooming & Styling



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Sr. No.	Course Outcome	Description
1	Understand the Importance of Personal Grooming	Define the concept of personal grooming and its importance in creating a positive self-image, boosting confidence, and contributing to overall well-being.
2	Explore the Basics of Personal Hygiene and Grooming	Study the fundamentals of personal hygiene, including skin care, oral care, hair care, and nail care, and their role in maintaining a healthy and attractive appearance.
3	Learn the Principles of Skin Care and Basic Facial Treatments	Understand the basics of skin care, including cleansing, moisturizing, exfoliation, and the use of masks, as well as facial treatments for different skin types and concerns.
4	Study Hair Care and Styling Techniques	Explore various hair care practices, including hair types, hair washing, conditioning, and styling techniques (cutting, coloring, and hairstyling for different occasions).
5	Understand Nail Care and Grooming	Learn about nail care practices, including manicure and pedicure techniques, nail health, and the use of nail products for maintaining attractive and healthy nails.
6	Investigate Makeup Techniques for Various Occasions	Study makeup application techniques for different occasions (daily, evening, and special events), including foundation, eye makeup, lip makeup, and contouring.
7	Learn the Principles of Personal Styling	Understand the principles of personal styling, including body shapes, choosing appropriate clothing styles, colors, and accessories that enhance personal appearance.
8	Explore Fashion Trends and How to Incorporate Them into Personal Style	Study the current fashion trends and how to adapt them to create a personal, individualized style that aligns with one's body shape, personality, and lifestyle.
9	Understand the Role of Accessories in Personal Grooming	Learn about the use of accessories such as jewelry, watches, bags, scarves, and belts to enhance personal style and complement outfits for various occasions.
10	Develop an Understanding of Professional Grooming Standards	Explore the grooming standards required in professional settings, including appropriate attire, etiquette, and how to maintain a polished appearance in the workplace.

Program Details

- **Duration:** 4 Years (8 Semesters)
- **Total Credits:** 160–180 credits
- **Total Teaching & Training Hours:** 6,000–6,500 hours
- **Mode:** Classroom, Laboratory, Clinical Training, and Internship



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- **Assessment:** Continuous Internal Assessment (CIA), Semester-End Examinations, Practical Examinations, Clinical Case Presentations, and Research Project
- **Internship & Research: One-Year Clinical Internship (Final Year)**

Total Hours Distribution

- **Theory Classes** – 2,500–2,800 hours
- **Practical & Laboratory Training** – 1,500–1,800 hours
- **Clinical Training & Internship** – 1,000–1,200 hours
- **Research & Dissertation** – 300–500 hours

Assessment Methods

Assessment Component	Weightage (%)	Details
Continuous Internal Assessment (CIA)	40%	Includes internal exams, assignments, presentations, case studies, and practical performance
End-Semester Examination (ESE)	60%	Divided into theory (40%) and practical (20%)
Mid-Semester Exams	20% (Part of CIA)	Two internal tests per semester
Assignments & Case Studies	5% (Part of CIA)	Research-based assignments, patient case studies, and literature reviews
Seminars & Presentations	5% (Part of CIA)	Oral/poster presentations on diabetes management and treatment approaches
Practical Performance & Clinical Evaluation	5% (Part of CIA)	Skill-based assessments in diabetic labs and clinical settings
Attendance & Participation	5% (Part of CIA)	Regularity in theory & practical sessions
Theory Examination (Final)	40% (Part of ESE)	Structured written paper covering subject knowledge
Practical Examination (Final)	20% (Part of ESE)	Includes viva, skill demonstration, and clinical diabetes case handling
Dissertation/Research Project (Final Year)	Mandatory	Evaluated in the final year by internal & external examiners
Clinical Internship/Training in Diabetes Care Centers	Pass/Fail	Logbook-based evaluation with mentor review



Marking System & Grading

Marks (%)	Grade	Grade Point (GPA/CGPA Equivalent)	Classification
90 - 100	O (Outstanding)	10	First Class with Distinction
80 - 89	A+ (Excellent)	9	First Class with Distinction
70 - 79	A (Very Good)	8	First Class
60 - 69	B+ (Good)	7	First Class
50 - 59	B (Satisfactory)	6	Second Class
<50 (Fail)	F (Fail)	0	Fail (Re-exam Required)

Pass Criteria:

- Minimum 50% marks in each subject (Theory & Practical separately).
- Aggregate of 55% required for progression to the next semester.
- No more than two backlogs allowed for promotion to the final year.

Exam Pattern for Theory & Practical

A. Theory Examination Pattern

Total Marks: 100 (Converted to 40% for End-Semester Assessment)

Duration: 3 Hours

Section	Question Type	No. of Questions	Marks per Question	Total Marks
Section A	Short Answer Type (SAQ)	10 (Attempt all)	2	20
Section B	Long Answer Type (LAQ)	5 (Attempt any 4)	10	40
Section C	Case-Based/Clinical Scenarios	3 (Attempt any 2)	15	30
Section D	MCQs/Objective Type	10 (Compulsory)	1	10
Total				100

Weightage:

- Skin Anatomy, Physiology & Dermatological Conditions – 40%
- Cosmetic Science & Aesthetic Procedures – 30%
- Research & Case Studies – 20%



- Public Health & Dermatology Ethics – 10%

Passing Criteria: Minimum **50%** (50/100 marks)

B. Practical Examination Pattern

Total Marks: 100 (Converted to 20% for End-Semester Assessment)

Duration: 4–6 Hours

Component	Marks Distribution
Clinical Case Presentation & Skin/Hair Assessment	30
OSCE (Objective Structured Clinical Examination) – Skill Demonstration	25
Aesthetic & Therapeutic Procedures for Skin & Hair	20
Lab-Based Examination (Dermatological Tests, Cosmetic Formulation, Skin Analysis)	15
Record Work (Logbook & Assignments)	10
Total	100

OSCE (Skill-based Assessment) includes stations on:

- Skin & Hair Analysis (Dermoscopy, Trichoscopy, Skin Type Classification)
- Facial Aesthetics Procedures (Chemical Peels, Microdermabrasion, Laser Therapy)
- Cosmetology Formulations & Product Testing (Moisturizers, Sunscreens, Serums)
- Interpretation of Dermatological Reports & Patch Testing

Passing Criteria: Minimum 50% (50/100 marks) in practicals.

Recommended Books & E-Resources

Textbooks

- "Cosmetic Dermatology: Principles and Practice" – Leslie Baumann
- "Textbook of Dermatology" – Rook, Wilkinson & Ebling
- "Milady's Standard Cosmetology" – Milady
- "Aesthetic Dermatology" – Peter Elsner

E-Resources & Journals

- Journal of Cosmetic Dermatology
- American Academy of Dermatology (AAD) – www.aad.org
- International Journal of Trichology
- WHO Guidelines on Dermatology & Aesthetics



Career and Academic Opportunities:

Career Opportunities:

Graduates of B.Sc. Cosmetology and Dermatology can pursue careers in a variety of settings, including:

- **Cosmetologist/Beauty Therapist:** Providing beauty and skincare treatments in spas, beauty salons, and wellness centers.
- **Dermatologist Assistant:** Assisting dermatologists in clinical settings to treat various skin conditions, such as acne, eczema, and psoriasis.
- **Make-up Artist:** Specializing in makeup techniques for events, film, television, fashion, or personal use.
- **Hair Specialist/Trichologist:** Specializing in hair care treatments and dealing with hair loss or scalp conditions.
- **Spa and Wellness Manager:** Managing spa centers or wellness resorts, overseeing beauty treatments and customer service.
- **Skin Care Consultant:** Working with skincare brands or clinics to advise clients on skincare routines and treatments.
- **Cosmetic Sales and Marketing:** Working with cosmetic brands, developing marketing strategies, and promoting skincare and beauty products.

Academic Opportunities:

Graduates can pursue further education and specialization in the following areas:

- **Master's Degree in Cosmetology or Dermatology:** Specialization in a particular aspect of dermatology or beauty therapy.
- **Postgraduate Diploma in Aesthetic Medicine:** For those interested in combining medicine and aesthetics.
- **Master's in Public Health (MPH):** Specializing in dermatological public health, such as managing skin diseases at the community or public health level.
- **Diploma in Advanced Beauty Therapy or Plastic Surgery:** For those looking to specialize further in specific areas of beauty and dermatology treatments.

Certification:

- **Certified Cosmetologist (e.g., CIDESCO, ITEC):** These certifications are globally recognized and are required to practice professionally in many countries.
- **Dermatology Assistant Certification:** For those who want to assist in clinical dermatology settings or work under licensed dermatologists.

Professional Opportunities:



- **Cosmetic Dermatologist:** After additional medical qualifications, graduates may become licensed dermatologists, specializing in the medical and surgical aspects of skin care.
- **Laser Specialist:** Specializing in the use of lasers for skin treatments, such as hair removal, scar treatment, and skin resurfacing.
- **Spa Therapist/Manager:** Overseeing operations at wellness centers, ensuring the best beauty and skin care services are provided to clients.
- **Beauty Salon Entrepreneur:** Starting and running a beauty salon or skincare clinic offering dermatology services and beauty treatments.
- **Consultant for Cosmetic Brands:** Collaborating with skincare brands to advise on products, ingredients, and marketing strategies.
- **Product Development:** Working in the cosmetic and dermatology industry to develop new skin care products, therapies, and technologies.

Higher Education and Research Prospects:

- **Research Opportunities:** Students can engage in research related to skin health, dermatological treatments, cosmetic ingredients, and the effects of environmental factors on the skin. This could lead to innovation in cosmetic technologies and dermatology practices.
- **Postgraduate Studies:** Graduates can pursue a **Master's in Dermatology, Aesthetic Medicine, or Cosmetic Surgery**. These programs can lead to more specialized roles in clinical dermatology or beauty medicine.
- **Ph.D. in Dermatology or Cosmetology:** For those interested in advanced research in skin diseases, cosmetic innovations, and skincare therapies. Graduates can work in research institutions, medical colleges, or pharmaceutical companies.
- **Certificate Courses:** Short-term specialized courses in advanced treatments such as **Laser Therapy, Cosmetic Surgery, or Anti-aging Therapies**.

Conclusion:

A **B.Sc. in Cosmetology and Dermatology** offers an exciting and diverse career path that blends beauty, health, and science. With the growing demand for skincare professionals and beauty experts, this field provides a range of opportunities in clinical dermatology, cosmetic treatments, spa management, and beauty therapy. Graduates are well-equipped to work in a dynamic and ever-evolving industry, with opportunities to specialize further or even venture into entrepreneurial endeavors. Whether working in a salon, dermatology clinic, or research institution, the career prospects for B.Sc. Cosmetology and Dermatology graduates are plentiful, making it a lucrative and fulfilling choice for those passionate about beauty and skin health.

Labs

1. Cosmetology Lab

- **Purpose:** Practical training in skincare, hair care, and beauty treatments.



➤ **Equipment & Facilities:**

- ✓ Facial steamers
- ✓ High-frequency machines
- ✓ Ultrasonic skin scrubbers
- ✓ LED light therapy devices
- ✓ Chemical peel setup
- ✓ Waxing kits and threading tools
- ✓ Microdermabrasion machine
- ✓ Various skincare products and cosmetics

2. Dermatology Lab

➤ **Purpose:** Understanding skin anatomy, diagnosing skin conditions, and learning dermatological procedures.

➤ **Equipment & Facilities:**

- ✓ Dermatoscopes
- ✓ Skin analyzers
- ✓ Microscopes for skin biopsy examination
- ✓ Histopathology slides
- ✓ UV light therapy units
- ✓ Cryotherapy setup
- ✓ Biopsy and minor surgical instruments

3. Aesthetic Procedures Lab

➤ **Purpose:** Training in non-surgical aesthetic treatments.

➤ **Equipment & Facilities:**

- ✓ Botox and filler practice kits (simulated)
- ✓ Laser hair removal devices
- ✓ Intense Pulsed Light (IPL) machines
- ✓ Radiofrequency skin tightening devices
- ✓ Mesotherapy injectors
- ✓ Chemical peel solutions and equipment

4. Hair Science & Trichology Lab

➤ **Purpose:** Understanding hair and scalp disorders, hair treatments, and hair restoration techniques.

➤ **Equipment & Facilities:**

- ✓ Trichoscopes
- ✓ Hair and scalp analyzers
- ✓ Hair treatment products (keratin, PRP, etc.)
- ✓ Laser combs and low-level laser therapy (LLLT) devices
- ✓ Hair transplant training mannequins



5. Cosmetic Formulation & Chemistry Lab

- **Purpose:** Learning formulation, testing, and development of skincare and hair care products.
- **Equipment & Facilities:**
 - ✓ pH meters
 - ✓ Emulsifiers and homogenizers
 - ✓ Cosmetic raw materials (essential oils, emulsifiers, active ingredients, etc.)
 - ✓ UV spectrophotometers (for SPF testing)
 - ✓ Rheometers (for viscosity testing)

6. Microbiology & Sterilization Lab

- **Purpose:** Training in hygiene, sterilization, and microbial testing of cosmetic products.
- **Equipment & Facilities:**
 - ✓ Autoclaves
 - ✓ Laminar flow hoods
 - ✓ Culture media and petri dishes
 - ✓ Bunsen burners
 - ✓ Microscopes for microbial analysis

7. Wellness & Spa Therapy Lab

- **Purpose:** Training in spa and holistic treatments.
- **Equipment & Facilities:**
 - ✓ Hydrotherapy units
 - ✓ Massage beds and essential oils
 - ✓ Aromatherapy diffusers
 - ✓ Mud and seaweed wrap stations