



PROPOSED SYLLABUS FOR DERMATOLOGY NURSING IN INDIA

(Prepared by Dermatology Nursing taskforce 2022-23)

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INTRODUCTION

The burden of skin disease is high in India and the number of practicing dermatologists is largely inadequate to cater to the rising demands for dermatologic care. 72.2% of the population lives in rural areas with no access to specialized treatment and health education. It is being increasingly recognized that by utilizing the services of the nursing professional we can deliver quality care to the rural population.

The National Health Policy (NHP) focuses on the preventive, curative and palliative aspects of care. Since 1983 the NHP has guided the health care system so as to meet the needs of the people to a great extent. The policy recognizes “the need for establishing training courses for super specialty nurses required for tertiary care institutions”. Along with this training they could be trained to deliver care at the community level too.

Post basic diploma in Dermatology Nursing is designed to develop specially trained dermatology nurses so that they can provide competent care at the institutional and community level so that dermatologic care is made available to people who have no access to a dermatologist.

PHILOSOPHY

Dermatologists believe that registered nurses need to be trained in delivering dermatology care in clinical and community settings in order to provide competent care. Expanding roles of nurses and advances in technology necessitates additional training to prepare them for effective participation in caring for patients with skin disease.

PURPOSE

The purpose of the course is to train nurses to:

1. Provide quality care to patients with skin disease.
2. Manage and supervise care of patients with skin

diseases at all the three levels of care.

3. Teach nurses, allied health professionals, family members and the community in areas related to dermatology nursing.
4. Conduct research in areas related to dermatology nursing.

COURSE DESCRIPTION

The course is designed to prepare registered nurses (GNM or B.Sc) with specialized knowledge, skills and attitude in providing advanced quality care to patients with skin diseases, their families and communities at all the three levels of care.

ELIGIBILITY

The student seeking admission to this course should be a registered nurse with a minimum of one year experience as a staff nurse.

ORGANIZATION OF THE COURSE

I. DURATION: Duration of the course is one academic year.

II. DISTRIBUTION OF THE COURSE:

1. Teaching : Theory and Clinical practice 42 weeks
2. Internship 4 weeks
3. Examination (including preparation) 2 weeks
4. Vacation 2 weeks
5. Public holidays 2 weeks

III. COURSE

OBJECTIVES: GENERAL

OBJECTIVE

At the end of the course the students develop an in depth knowledge regarding the philosophy, principles, methods and issues, management, education and research in Dermatology Nursing. This course will enable them to develop skills and attitude in providing competent nursing care to patients with skin diseases in various settings.

SPECIFIC OBJECTIVE:

At the end of the course the students should be able to

1. Describe the concepts and principles of Dermatologynursing.
2. Demonstrate skills in providing essential Dermatologycare.
3. Assist in advanced Dermatology procedures.
4. Communicate effectively with patients and their familymembers.

5. Apply nursing process in the care of patients receiving intensive care. To provide exposure to ICU care, the centre should have an affiliation with a specialty hospital where they can tend to Dermatologically critical cases / emergencies.
6. Participate effectively as a member of the health team.
7. Demonstrate skills in organization and management of Dermatology services.
8. Provide comprehensive care to patients with common skin diseases at the community level.
9. Make a plan for organization of level II and III Dermatology units.
10. Conduct research in Dermatology nursing.
11. Teach and supervise nurses and allied health workers.

IV. COURSE OF STUDIES:

	THEORY	PRACTICAL
Clinical Nursing-I	155 hours	Integrated Clinical Practice
(Inclusive of foundation course)	1280 hours	
Clinical Nursing –II	155 hours	
3 i) Supervision and Management	30 hours	
(ii) Clinical Teaching	30 hours	
(iii) Elementary Research & Statistics	30 hours	
4. Internship		160 hours
TOTAL	1680 hours	1440 hours

Hours distribution for theory and practice

42 weeks x 40 hours/week = 1680 hours

Block classes

4 weeks x 40 hours/ week = 160 hours

Integrated theory & clinical practice

38 weeks x 40 hours/ week = 1520 hours

(Theory 400 hours)* Theory 6 hours /week

38 weeks x 6 hours = 240 hours

Clinical experience 34 hours/ week

38 weeks x 34 hours/week = 1280 hours

Internship: 4 weeks x 40 hours = 160 hours

*Two weeks evening and two weeks night

V. CLINICAL EXPERIENCE

Areas of clinical experience required

Clinical experience must be provided as per the stipulated clinical hours

The students should be posted in the Dermatology units and in the Community.

Sl. no.	Units/departments	No. of weeks
1.	Dermatology OPD Procedure room/ Theatre/Ward	37
2.	General medical ward	1
3.	General surgical ward	1
4.	OT(Gen. surgery)	1
5.	Laboratory —Clinical / Dermatology	1
6.	Community	1

7.	TOTAL	42
	Internship	4

EXAMINATION SCHEME

	Int. Ass. Marks	Ext. Ass. Marks	TotalMarks	Duration(in hours)
A.Theory				
Paper I- Clinical Nursing I	50	150	200	3
Paper II- Clinical Nursing II	50	150	200	3
Paper III- Supervision & Management, Clinical Teaching, Elementary Research & Statistics	50	150	200	3
B. Practical				
Clinical Nursing (teaching & supervision to be integrated)	100	100	200	
Grand Total	250	550	800	

Conditions for admission to Examination

The Student:

1. The student has attended not less than 75% of the theoretical instruction hours in each subject during the year.
2. Has done not less than 75% of the clinical practical hours. However students should make up 100% of attendance for integrated practice experience and internship in terms of hours and activities before awarding the certificate.

EXAMINATION

The examination to be conducted by the State Nursing Registration Council/State Nursing Examination Board/ University recognized by the Indian Nursing Council.

Standard of Passing

1. In order to pass a candidate should obtain at least 25% marks separately in internal assessment and 75% in external examination in each of the theory and practical papers.
2. a) Less than 60% is second division.
b) 60% and above and below 75% is first division.
c) 75% and above is distinction.
3. Students will be given a maximum of 3 attempts for passing.

CERTIFICATION

A. TITLE – Post Basic Diploma in Dermatology Nursing

B. A diploma is awarded upon successful completion of the prescribed study programme which will state that

- i) Candidate has completed the prescribed course of Dermatology Nursing.
- ii) Candidate has completed the prescribed clinical experience.
- iii) Candidate has passed the prescribed examination.

CLINICAL NURSING – I (Including Foundation Courses)

Description:

This course is designed to develop an understanding of the principles of related biologic and behavioural sciences and Dermatology Nursing.

Objectives:

At the end of the course the students will be able to:

1. Describe the concepts and principles of behavioural, biological and nursing sciences as applied to Dermatology Nursing.
2. Describe the nurse's role in various diagnostic measures.
3. Describe the various drugs used in Dermatology and nurses responsibility.
4. Apply nursing process in providing comprehensive care to patients with Dermatologic diseases.
5. Practice infection control measures.
6. Identify psychosocial problems of patients and family members and provide holistic care.
7. Assist the patients and their families to cope with the stigma associated with chronic Dermatologic diseases.

THEORY 155 HOURS

Subject	Hours	Content
Unit I Psychology	10	<p>□ Review</p> <ul style="list-style-type: none"> Individual differences Learning, Motivation, Attention & Perception Emotions Human behaviour & needs in crisis Stress and coping in crisis situations Leadership Communication and IPR Counseling Attitude and humanizing care
Unit II Microbiology	10	<p>□ Review</p> <ul style="list-style-type: none"> Immunity Infection Principles of asepsis, sterilization & disinfection Diagnostic tests in Microbiology & related nurses responsibility Standard safety measures & biomedical waste management
Unit III Applied Anatomy & Physiology	20	<ul style="list-style-type: none"> Structure and functions of the skin and its appendages Blood supply and innervation of the skin Epidermopoiesis and its regulation Melanogenesis Immunity, inflammation and allergy The skin immune system Respiratory system Cardiovascular system Gastrointestinal system Endocrine system Genitourinary system Reproductive system Neurological system

Unit IV	15	<input type="checkbox"/> Review
Pharmacology		Pharmacokinetics Antibiotics Antiseptics Topical & systemic drugs used in Dermatology Drug reactions and toxicity Patient safety and drug monitoring Principles of drug administration Role of nurse and care of drugs
Unit V Genetics	10	<input type="checkbox"/> Meaning of genetics and heredity <input type="checkbox"/> Mendelian laws of inheritance <input type="checkbox"/> Genetic disorders Chromosomal errors Inborn errors of metabolism Congenital anomalies <input type="checkbox"/> Genetic counseling <input type="checkbox"/> Nurses role in genetic counseling
Unit VI Community Health	15	<input type="checkbox"/> Review Demography and family welfare Definition, meaning, population trends – Global and Indian Organization of services Epidemic and endemic diseases and their prevention Health education: concepts, principles, approaches and methods Rehabilitation Facilities under National Rural Health Management Scheme
Unit VII Sociology	10	<input type="checkbox"/> Review Social organization and community resources Leadership roles in the community Social problems – HIV/AIDS, Vitiligo, Lymphatic filariasis Psychosociocultural factors in Dermatology Role of nurse and counseling

Unit VIII	15	<p>□ Introduction to Dermatology Nursing</p> <p>Historical development and advances in Dermatology</p> <p>New technology, developments and nursing practice</p> <p>Historical development of Dermatology Nursing in India and other countries</p> <p>Current concepts of Dermatology Nursing</p> <p>Levels of Dermatology care and role of nurse</p> <p>Drugs used in Dermatology</p>
Unit IX	15	<p>□ Introduction to Nursing Process</p> <p>Assessment</p> <p>Nursing diagnosis</p> <p>Nursing care plan</p> <p>Implementation</p> <p>Evaluation</p> <p>Dermatology nursing assessment</p> <p>History taking</p> <p>Health assessment –</p> <p>Physical examination and Dermatological examination</p> <p>Prevention of infectious diseases</p> <p>Attributes of a Dermatology nurse</p>
Unit X	15	<p>□ Diagnostic measures</p> <p>Culture and sensitivity</p> <p>Skin scraping for fungus</p> <p>Clipping for acid fast bacilli</p> <p>Tzanck smear Woods light</p> <p>Patch test</p> <p>Biopsy</p> <p>Immunological tests</p> <p>Serological tests</p> <p>Other investigations</p> <p>Nurses role in diagnostic tests</p>

Unit XI	15	<input type="checkbox"/> Dermatologic surgery Surgical asepsis and safety measures Pre and post operative nursing management of patients undergoing cosmetic surgery Post laser care Post operative complications
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CLINICAL NURSING-II

Description:

This course is designed to develop an understanding of Dermatologic disorders and their management.

Objectives:

The students will be able to:

1. Describe the etiology, pathophysiology, signs & symptoms, investigations and nursing management of patients with Dermatologic disorders.

2. Describe the nurse's role in various diagnostic & therapeutic procedures.
3. Describe the nursing process pertaining to common medical problems likely to be seen in patients with skin diseases.
4. Discuss the pre and post operative care of patients undergoing Dermatologic surgery.

Unit Theory: 177

Unit	Hours	Subject
Unit I	30	Dermatologic disorders <input type="checkbox"/> Etiology, clinical manifestations, diagnosis, prognosis, related pathophysiology and nursing management of : Infections – bacterial, viral, fungal, parasitic Eczema Contact dermatitis Photodermatitis Common problems in the pediatric population Erythema, urticaria, erythema multiforme Drug reactions Toxic epidermal necrolysis and Stevens Johnsons syndrome Vasculitis Papulosquamous disorders Common vesicobullous disorders Acne and acneiform disorders

Unit II	10	<p>Disorders of pigmentation</p> <p>Pruritus – generalized, ani, vulvae</p> <p>Leg ulcers</p> <p>Secondary lymphoedema</p> <p>Nutritional disorders</p> <p>Nurses role and responsibilities</p>
Unit III	10	<p>Recognize and refer:</p> <p>Epidermal and melanocytic nevi</p> <p>Squamous cell carcinoma and basal cell epithelioma</p> <p>Cutaneous vascular anomalies, pyogenic granuloma</p> <p>Cutaneous vascular disease</p> <p>Raynaud’s phenomena</p> <p>purpura and vasculitis</p> <p>Connective tissue diseases</p>
Unit IV	5	<p>Diseases of the mucous membranes</p> <p>cheilitis, leukoplakia, melanocytic oral lesions, aphthosis, Behcets syndrome</p> <p>Diseases of the sweat glands— miliaria, hyperhidrosis, anhidrosis, bromidrosis, chromidrosis</p> <p>Fever with a rash</p> <p>Skin signs of internal disease</p>
Unit V	5	<p>□ Diseases of the hair and nails</p> <p>Non cicatricial and cicatricial alopecia,</p> <p>Hypertrichosis and hirsutism</p> <p>Common nail disorders</p> <p>Nurses role and responsibilities</p>
Unit VI	5	<p>□ Leprosy</p> <p>Aetiopathogenesis</p> <p>Classification</p> <p>Clinical features</p> <p>Diagnosis</p> <p>Differential diagnosis</p> <p>Treatment</p> <p>Complications</p> <p>Reactions in leprosy</p>

Unit VII	15	<ul style="list-style-type: none"> □ Sexually transmitted diseases <li style="padding-left: 20px;">Syphilis <li style="padding-left: 20px;">Gonococcal and non gonoccal urethritis <li style="padding-left: 20px;">Herpes genitalis <li style="padding-left: 20px;">Chancroid <li style="padding-left: 20px;">Condyloma acuminata <li style="padding-left: 20px;">Vaginal discharge <li style="padding-left: 20px;">Syndromic approach <li style="padding-left: 20px;">Balanitis and balanoposthitis <li style="padding-left: 20px;">Other sexually transmissible diseases
Unit VIII	10	<ul style="list-style-type: none"> □ HIV/AIDS <li style="padding-left: 20px;">Aetiopathogenesis <li style="padding-left: 20px;">Clinical features <li style="padding-left: 20px;">Diagnosis and Treatment <li style="padding-left: 20px;">Follow up <li style="padding-left: 20px;">National AIDS Control Programme <li style="padding-left: 20px;">Current Situation and Strategies for Prevention <li style="padding-left: 20px;">Counseling HIV positive patients & their families <li style="padding-left: 20px;">STD and HIV Infection <li style="padding-left: 20px;">HIV Infection Control in Health Care Settings
Unit IX	15	<ul style="list-style-type: none"> □ Topical therapy <li style="padding-left: 20px;">Principles of topical therapy, <li style="padding-left: 20px;">Wet dressings <li style="padding-left: 20px;">Baths & bathing instructions for dry skin <li style="padding-left: 20px;">Soaps and shampoos <li style="padding-left: 20px;">Lotions, creams, ointments, pastes <li style="padding-left: 20px;">Other dressings, direct application of chemicals <li style="padding-left: 20px;">Care of the dry skin <li style="padding-left: 20px;">Care of the newborn with skin disease <li style="padding-left: 20px;">Care of the patient with exfoliative dermatitis <li style="padding-left: 20px;">Care of the patient with lymphoedema <li style="padding-left: 20px;">Nurses role in minor out patient clinic procedures <li style="padding-left: 20px;">Role as a counselor

Unit X	5	<ul style="list-style-type: none"> □ Nurses role in the management of patients on long term systemic therapy: <ul style="list-style-type: none"> Steroids, immunosuppressants, anti-leprosy drugs Awareness of drug interactions
Unit XI	15	<ul style="list-style-type: none"> □ Special Therapies in Dermatology Nursing <ul style="list-style-type: none"> Intralesional injections Phototherapy Radiosurgery Electrocautery Chemical peels Microdermabrasion Cryotherapy Pulse therapy Laser surgery Vitiligo surgery Nurses role in setting, use and maintenance of basic equipment
Unit XII	10	<ul style="list-style-type: none"> □ Nursing care of the acutely ill patient <ul style="list-style-type: none"> Monitoring & Observations Care of the Skin Prevention and Care of bed sores Temperature Regulation Fluid and Electrolytic balance Nutrition Prevention and Control of infection Other associated conditions
Unit XIII	10	<ul style="list-style-type: none"> □ Principles of prevention of infection <ul style="list-style-type: none"> Standard Safety Measures Universal Precautions Hand washing Housekeeping routines Disinfection and Sterilization Biomedical waste management

Unit XIV	5	<input type="checkbox"/> Nursing care of patients before and after cosmetic and Dermatologic surgery Evaluation and management of complications
Unit XV	5	<input type="checkbox"/> Other therapies Compression bandaging Skin care—foot care, nail care, hair care Wound and special dressings Counseling Yoga therapy

TEACHING/LEARNINGACTIVITIES

1) Methods of teaching

Lectures
Demonstration and discussion
Supervised practice
Seminar
Role play
Workshop
Conference
Skill training
Field visits
Research project

2) AV Aids

Overhead projector
Slide projector
Blackboard
Graphic aids
LCD projector
Computer

3) Methods of Assessment

Written examination
Objective type
Short notes
Assignments
Case studies/ care study

Clinical presentation

Seminars

Projects

ESSENTIALCLINICAL/PRACTICALACTIVITIES

Patient care assignments

Writing care studies

Case presentation

Assist in minor out- patient procedures

Planned health teaching

Project

Clinical teaching

Conduct bedside rounds

Prepare clinical rotation plan

Prepare clinical teaching plan for students

Perform clinical evaluation for students /staff

Supervision techniques –writing reports, performance appraisal

Material management

Maintenance of records and reports

ESSENTIALDERMATOLOGYNURSINGSKILL

Chemical cautery

Application of podophyllin/phenol/ trichloroacetic acid

Compresses

Medicated baths

Care of wounds

Dressings

Compression bandages
Patch tests
Use of local anaesthetics
Pre and post operative nursing care

PROCEDURES TO BE OBSERVED

Biopsy
Tzanck smear
KOH smear
Electrocautery
Radiosurgery
Microdermabrasion
Chemical peels
Cryosurgery
Vitiligo surgery
Intralesional injection
Other minor surgical procedures
Any other

PROCEDURES TO BE ASSISTED

Any of the above
Others

PROCEDURES TO BE PERFORMED

Admission and discharge
Collection of specimens
Administration of drugs IM , IV, intralesionally
Procedures for prevention of infection –
Disinfection
Sterilization
Fumigation
Surveillance
Setting up, use and maintenance of basic equipment
Minor surgical procedures
KOH smear
Tzanck smear

The setting:

Dermatology nursing shall have two kinds of recognition.

1. Dermatology Nursing fellowship comprised training in a daycare dermatology centre with a facility for at least five beds for daycare and minor operation theatre.
2. Dermatology Nursing Diploma comprised of training with en bed in patient care in a department of dermatology or a dermatology hospital

Dermatology Nursing taskforce:

SR Narahari Coordinator
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Dr Vineet Kaur Advisor
Dr. Rashmi Mahajan Member
Dr Sivasankari M Member
Dr Farzana Ansari Member
Dr Preethy Harrison Member
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