

**Maharaja Ranjit Singh Punjab Technical University  
Bathinda-151001**



**FACULTY OF PHARMACY**

**SYLLABUS**

**FOR**

**SKILL CERTIFICATE COURSE IN NURSING ASSISTANT**

**(1 YEAR PROGRAMME)**

**2023 BATCH ONWARDS**

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**MRSPTU SKILL CERTIFICATE COUSE IN NURSING ASSISTANT  
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**SCHEME**

1 <sup>st</sup> Semester		Contact Hrs.			Marks			Credits
Subject Code	Subject	L	T	P	Int.	Ext	Total	
CNRAS1-101	Fundamental of Nursing (including first aid, emergency Nursing)	3	1	0	40	60	100	4
CNRAS1-102	Anatomy & Physiology	3	1	0	40	60	100	4
CNRAS1-103	Nutrition & Bio- Chemistry	3	1	0	40	60	100	4
CNRAS1-104	Psychology	3	1	0	40	60	100	4
BMNCC0-041	Drug Abuse: Problem, Management and Prevention	2	0	0	100	00	100	0
CNRAS1-105	Anatomy & Physiology -Lab	0	0	4	60	40	100	2
CNRAS1-106	Nutrition & Biochemistry - Lab.	0	0	4	60	40	100	2
<b>Total</b>		<b>14</b>	<b>4</b>	<b>8</b>	<b>380</b>	<b>320</b>	<b>700</b>	<b>20</b>

2 <sup>nd</sup> Semester		Contact Hrs.			Marks			Credits
Subject Code	Subject	L	T	P	Int.	Ext	Total	
CNRAS1-201	Community Health Nursing	3	1	0	40	60	100	4
CNRAS1-202	Midwifery Obstetrical Nursing	3	1	0	40	60	100	4
CNRAS1-203	Medical Surgical Nursing	3	1	0	40	60	100	4
CNRAS1-204	Child and Mental Health Nursing	3	1	0	40	60	100	4
CNRAS1-205	Midwifery Obstetrical Nursing- Lab	0	0	4	60	40	100	2
CNRAS1-206	Medical Surgical Nursing – Lab	0	0	4	60	40	100	2
CNRAS1-207	Child and Mental Health Nursing - Lab	0	0	4	60	40	100	2
<b>Total</b>		<b>12</b>	<b>4</b>	<b>12</b>	<b>340</b>	<b>360</b>	<b>700</b>	<b>22</b>

# FIRST SEMESTER

**MRSPTU SKILL CERTIFICATE COUSE IN NURSING ASSISTANT  
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**FUNDAMENTAL OF NURSING**

**Subject Code: CNRAS1-101**

**L T P C**

**Duration: 60 Hrs.**

**3 1 0 4**

**Course Outcomes:**

- Demonstrate knowledge of general overall physiological principles associated with metabolic processes.
- Students will be able to learn the terminology of the subject and basic knowledge of cells.
- Students will able to understand the basic of tissues, blood and to understand anatomy and physiology of human body.
- Students will able to understand the basics of musculoskeletal system; cardiovascular system; cardiovascular system; aerobic and anaerobic program design.

**UNIT-I (15 Hrs.)**

**Introduction to Nursing**

Nursing: Definition, meaning, Nature, scope, principles and History of nursing.  
Nurse: Definition and meaning, preparation of a nurse qualities personal, professional.  
Ethics in nursing, Role and responsibilities of a nurse.  
Health care agencies: Hospital and community, Types of Hospitals and their functions.  
Holistic approach to nursing, Comprehensive nursing care.

**UNIT-II (15 Hrs.)**

**Introduction to the sick and well**

Bed and Bed Making  
Maintenance of therapeutic environment  
Psycho social Environment  
Nursing Process and Nursing Care Plan  
Recording and Reporting  
Discharging a patient

**UNIT-III (15 Hrs.)**

**Basic Nursing Care and Needs of the Patient**

Hygienic Needs and physical needs  
Elimination needs  
Safety needs  
Activity and Exercises  
Physical Comforts  
Moving, shifting and lifting of patient

**UNIT-IV (15 Hrs.)**

**Therapeutic Nursing Care and Procedures Asepsis**

Hand washing, hand scrubbing, use of mask, gown, gloves.  
Disinfection techniques, sterilization techniques.  
Autoclaving, boiling, flaming, ultra violet rays.

**Introduction to Pharmacology**

Concept of pharmacology.  
Classification of drugs.  
Administration of drugs.  
General action of drugs.  
Nursing implications in administration of drugs

**Introduction to First Aid**

Importance of first aid and rules of first aid.  
Concept of emergency.

**First Aid in Emergency situations**

Fire, burns, fractures, accidents, poisoning, drowning, hemorrhages, insect bites, foreign bodies.  
Transportation of the injured.  
Bandaging and splinting.

**Reference Books:**

1. Lippincott Manual of Nursing Practice.
2. Fundamentals of Nursing (Ninth Edition)
3. Kozier and Erb's Fundamentals of Nursing (Tenth Edition)
4. Fundamentals of Nursing: The Art and Science of Nursing Care (Seventh Edition)

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**ANATOMY & PHYSIOLOGY**

**Subject Code: CNRAS1-102**

**L T P C**

**Duration: 60 Hrs.**

**3 1 0 4**

**Course Outcomes:**

- Apply concepts, knowledge, and correct terminology to describe anatomy and physiology related to the integumentary, muscular, skeletal, and nervous systems.
- Critically evaluate clinical and physiological data from direct observation and documented research.
- The Course is designed to enable students to acquire knowledge of the normal structure of various human body systems.
- The students will able to understand the alterations in anatomical structures in disease and practice of nursing.

**UNIT-I (15 Hrs.)**

**Introduction to anatomical terms, Organization of body cells, tissues, organs, systems, membranes and glands, Skeletal system:-**

- Bones: types, structure, function
- Axial skeleton
- Appendicular skeleton
- Joints: classification, structure and function.

**UNIT-II (15 Hrs.)**

**Muscular system**

- Type, structure and functions.
- Position and action of chief muscles of the body.

**Cardio Vascular system**

- Blood: composition clotting and blood group, cross matching. Blood products and their use.
- Heart: position, structure, conduction system, Function and cardiac cycle.
- Blood Vessels: Structural differences and position of chief vessels
- Circulation of Blood: Systematic, pulmonary and portal circulation
- Blood pressure and pulse
- Lymphatic system: Lymph vessels, glands, ducts and lymph circulation, lymph tissues in the body, spleen.

**UNIT-III (15 Hrs.)**

**Respiratory System**

- Structure and functions of respiratory organs
- Physiology of respiration.
- Characteristics of normal respiration and its deviations.

**Digestive system**

- Structure and function of organs of digestive and accessory organs.
- Process of digestion and absorption.
- Metabolism: meaning and metabolism of food constituents.

**Excretory system**

- Structure and functions of organs of urinary system
- Structure and functions of the skin
- Fluid and electrolyte balance.

**UNIT-IV (15 Hrs.)**

**Nervous System**

Type, structure and functions of neuron.

- Central Nervous System: Structure and functions.
- Autonomic Nervous System: Structure and functions.

**Endocrine System**

- Structure and functions of pituitary, pancreas, thyroid parathyroid, thymus and supra renal glands.

**Sense Organs**

- Structure and functions of eye, ear, nose and tongue.
- Physiology of vision, hearing and equilibrium.

**Reproductive System**

- Structure and functions of reproductive and accessory organs.
- Process of reproduction, menstrual cycle and menopause
- Structure and functions of male organ reproductive system.

**Reference Books:**

1. Singh (I), Anatomy & Physiology for Nurses, JP Brothers Publications, 2005.
2. Kathleen (JW), Ross & Wilson Anatomy and Physiology in Health and Illness, Churchil Livingston Publication, Philadelphia, 8th Edition, 1999.
3. Tortora, Principles of Anatomy & Physiology, John Wiley & Sons, New York, 8th Edition, 2003.

**NUTRITION & BIO-CHEMISTRY**

**Subject Code: CNRAS1-103**

**L T P C**

**Duration: 60 Hrs.**

**3 1 0 4**

**Course Outcomes:**

- Learn and understand the basic terms related to nutrition.
- The course is designed to assist the students to acquire knowledge of nutrition for maintenance of optimum health at different stages of life.
- The course is designed to assist the students to acquire knowledge about its application for practice of nursing.

**UNIT-I (15 Hrs.)**

**Introduction**

- Nutrition
  - History
  - Concepts
- Role of nutrition in maintaining health
- Factors affecting food and nutrition: Socio – economic, cultural, tradition, production, system of distribution, life style and food habits, etc.
- Role of food and its medicinal value.
- Elements of Nutrition: Macro and micro-Calorie, BMR

**UNIT-II (15 Hrs.)**

**Classification by chemical composition and sources -**

- Carbohydrates.
- Proteins
- Fats
- Minerals
- Vitamins
- Water

**Classification by nutritive value -**

- Cereals and millets.
- Pulses (Legumes).
- Vegetables.
- Nuts and oil seeds.
- Fruits
- Animal food.
- Fats and oils
- Sugar and jiggery.
- Condiments and spices.
- Miscellaneous food



**UNIT-III (15 Hrs.)**

**Normal dietary requirements and deficiency diseases of each of the constituents of food**

- The Calorie
- Nutritive value of food items and their measures used.
- Balanced diet.
- Method of calculating normal food requirements, influence of age, sex and activity.

**UNIT-IV (15 Hrs.)**

**Introduction to Diet Therapy**

- Methods of modifying diet in relation to calorie value, by increasing or decreasing of constituents.
- Diet and the patient
- Environmental, psychological and cultural factors in acceptance of diet by the patient.
- Serving of food.
- Feeding of helpless patients.

**Community Nutrition**

- Concept of community nutrition.
- Nutritional needs for special groups: infants, children, pregnant women, lactating mothers, old people etc.
- Substitutes for non-vegetarian food.
- Methods of improving an ill-balanced diet.

**Reference Books:**

1. Joshi (YK), Basics of Clinical Nutrition, Jaypee, Chennai, 2<sup>nd</sup> Edition, 2008.
2. Mahan (LK), Krause's Food, Nutrition, Diet & Therapy, Elsevier, 13<sup>th</sup> Edition, 2007.
3. Sri Lakshmi (B), Dietetics, New Age Int (P) Ltd., Publishers, Chennai, 5<sup>th</sup> Edition, 2007.
4. Vasudevan (DM), Text Book of Biochemistry, J.P.Brothers Publication New Delhi, 3rd Edition, 2001.
5. Lehninger, Principles of Biochemistry, Worth Publishers, New York, 3rd Edition, 2002.
6. Strieler (L), (1988). Biochemistry, Freeman & Company, New York, 3rd Edition, 1988.

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**DRUG ABUSE: PROBLEM, MANAGEMENT AND PREVENTION**

**Subject Code: BMNCC0-041**

**L T P C  
2 0 0 0**

**Duration: 30Hrs.**

**UNIT-I (6 Hours)**

Meaning of Drug Abuse: Meaning: Drug abuse, Drug dependence and Drug addiction. Nature and extent of drug abuse in India and Punjab.

**UNIT-II (8 Hours)**

Consequences of Drug Abuse: Individual: Education, Employment, Income. Family: Violence. Society: Crime. Nation: Law and Order problem.

**UNIT-III (8 Hours)**

Prevention of Drug Abuse: Role of Family: Parent-child relationship, Family support, supervision, shipping values, active scrutiny. School: Counselling, Teacher as role-model, Parent-teacher-health professional coordination, Random testing on students.

**UNIT-IV (8 Hours)**

Treatment and Control of Drug Abuse: Medical Management: Medication for treatment and to reduce withdrawal effects. Psychological Management: Counselling, Behavioural and Cognitive therapy. Social Management: Family, Group therapy and Environmental intervention. Treatment: Medical, Psychological and Social Management. Control: Role of Media and Legislation.

**Recommended Books:**

1. Ram Ahuja, 'Social Problems in India', Rawat Publications, Jaipur, 2003.
2. 'Extent, Pattern and Trend of Drug Use in India', Ministry of Social Justice and Empowerment, Govt. of India, 2004.
3. J.A. Inciardi, 'The Drug Crime Connection', Sage Publications, Beverly Hills, 1981.
4. T. Kapoor, 'Drug Epidemic among Indian Youth', Mittal Publications, New Delhi, 1985.
5. Kessel, Neil and Henry Walton, 'Alcoholism, Harmond Worth', Penguin Books, 1982.
6. Ishwar Modi and Shalini Modi, 'Addiction and Prevention', Rawat Publications, Jaipur, 1997.
7. 'National Household Survey of Alcohol and Drug Abuse', Clinical Epidemiological Unit, All India Institute of Medical Sciences, New Delhi, 2003 &2004.
8. Ross Coomber and Others, 'Key Concept in Drugs and Society', Sage Publications, New Delhi, 2013.
9. BhimSain, 'Drug Addiction Alcoholism, Smoking Obscenity', Mittal Publications, New Delhi, 1991.
10. Ranvinder Singh Sandhu, 'Drug Addiction in Punjab: A Sociological Study', Guru Nanak Dev University, Amritsar, 2009.
11. Chandra Paul Singh, 'Alcohol and Dependence among Industrial Workers', Shipra, Delhi, 2000.
12. S. Sussman and S.L. Ames, 'Drug Abuse: Concepts, Prevention and Cessation', Cambridge University Press, 2008.
13. P.S. Verma, 'Punjab's Drug Problem: Contours and Characteristics', Vol. LII, No. 3, P.P. 40-43, Economic and Political Weekly, 2017. 1
14. 'World Drug Report', United Nations Office of Drug and Crime, 2016.
15. 'World Drug Report', United Nations Office of Drug and Crime, 2017.

**PSYCHOLOGY**

**Subject Code: CNRAS1-104**

**L T P C**

**Duration: 60 Hrs.**

**3 1 0 4**

**Course Objectives:**

- This course is designed to assist the students to knowledge of fundamentals of psychology and develop an insight into behavior of self and others. Further it is aimed at helping them to practice the principles of mental hygiene for promoting mental health in nursing practice.

**UNIT-I (15 Hrs.)**

**Introduction:** History and origin of science of Psychology, Definitions and scope of Psychology, Relevance to Nursing, Methods of Psychology.

**Biology of behavior:** Body mind relationship – Modulation process in Health and illness.

**Genetics and behavior:** Heredity and environment.

**Brain and Behavior:** Nervous system, Neurons and synapse, Psychology of Sensations, Muscular and glandular controls of behavior, Nature of behavior of an organism/integrated response.

**UNIT-II (15 Hrs.)**

**Cognitive Processes:** Attention: Types, determinants, Duration, and Degree, alterations.

**Perception:** Meaning, Principles, factors affecting, errors. Learning Nature: Types, learner and learning, factors influencing, laws and theories, process, transfer, study habits.

**Memory:** Meaning, types, nature, factors influencing, development theories methods of memorizing and forgetting.

**Aptitude:** Concept, types, Individual differences and variability, Psychometric assessments of cognitive, Processes. Alterations in cognitive processes, Applications.

**UNIT-III (15 Hrs.)**

**Motivation and Emotional Processes:** Motivation: Meaning, Concepts, Types, Theories, Motives and behavior, Conflict and frustration, conflict resolution.

**Emotions & Stress:** Emotion: Definition, components, Changes in emotions, theories, emotional adjustments, emotions in health and illness.

**Stress:** Stressor, cycle, effect, adaptation & Coping.

**Personality:** Definitions, topography, factors affecting personality, types, theories.

**UNIT-IV (15 Hrs.)**

**Developmental Psychology:** Psychology of people at different ages from infancy to old age. Psychology of vulnerable individuals – Challenged, women, sick, etc. Psychology of groups.

**Mental hygiene and mental Health:** Concepts of mental hygiene and mental health.  
•Characteristics of mentally healthy person.

Warning signs of poor mental health Promotive and Preventive mental health strategies and services. Ego Defense mechanisms and implications. Personal and social adjustments. Guidance and Counseling Role of nurse.

**Psychological assessment & tests:** Types, development, Characteristics, Principles, Uses, Interpretations, and role of nurse in psychological assessment.

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**References Books:**

1. Morgon (CT), Introduction to Psychology, Tata McGraw Hill, New Delhi.
2. Atkinson (RL), Hilgard's Introduction to psychology, Harcourt college publishers, Philadelphia.
3. Shelley, Taylor's Health Psychology, Tata McGraw hill publishing co. Ltd, Sidney.
4. Santrock (JW), Educational Psychology, Tata McGraw Hill Pub. Co. Ltd., Sidney.
5. Fernald (L.D) Introduction to Psychology A.I.T.B.S. Pub. New Delhi.
6. Mangal (SK), Advanced Educational Psychology, Pentice Hall of India, New Delhi.
7. Gross (R), Psychology for Nurses and Allied Health Professionals, Hodder Arnold, London.

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**ANATOMY & PHYSIOLOGY LAB**

**Subject Code: CNRAS1-105**

**L T P C**

**Duration: 60 Hrs.**

**0 0 4 2**

**Human Anatomy & Physiology – Practical**

- Demonstration of various parts of body
- Demonstration of cell and tissues of body
- Demonstration of parts of Digestive system.
- Demonstration of various parts of circulatory system
- Examination of blood film for various blood cells from stained slides
- Blood pressure estimation
- Demonstration of structural differences between skeletal, smooth and cardiac muscles
- Demonstration of various bones and joints.
- To study circulatory system from charts and transverse section (TS) of artery and vein.

**NUTRITION & BIOCHEMISTRY LAB**

**Subject Code: CNRAS1-106**

**L T P C**

**Duration: 60 Hrs.**

**0 0 4 2**

- To visit Clinical biochemistry laboratory observe and learn about various tests are being performed in clinical biochemistry laboratory.
- To practice Blood sample collection as per sample draw pattern.
- Basics of various routine laboratory tests performed e.g. determination of blood sugar levels, Liver function tests, renal function tests, and Urine sugar and protein level.
- To understand briefly the interpretation of various tests report to know about critical alerts.
- To visit Blood Gas Analysis laboratory and learn to analyze blood.

# SECOND SEMESTER

**MRSPTU SKILL CERTIFICATE COUSE IN NURSING ASSISTANT  
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**COMMUNITY HEALTH NURSING**

**Subject Code: CNRAS1-201**

**L T P C**

**Duration: 60 Hrs.**

**3 1 0 4**

**Course Objectives:**

- This course is designed for students to appreciate the principles of promotion and maintenance of Health.

**UNIT-I (15 Hrs.)**

**Introduction:** Community health Nursing, Definition, concepts and dimensions of health, Promotion of health, Maintenance of health. a) Characteristics of a healthy individual, b) Health assessment of infant preschool, school going, adolescent adult, antenatal woman, postnatal, woman, and elderly.

b) Qualities and functions of Community Health Community Health Nurse. Steps of nursing process; community identification, population composition, health and allied resources, community assessment, planning & conducting community nursing care services.

**UNIT-II (15 Hrs.)**

**Family Health Nursing Care** a) Family as a unit of health b) Concept, goals, objectives c) Family health care services d) Family health care plan and nursing process. Family health services – Maternal, child care and family welfare services. f) Roles and function of a community health nurse in family health service

**Family Health Care Settings Home-** Purposes, Principles b) Planning and evaluation Demonstration c) Bag technique d) Clinic: Purposes, type of clinics and their functions e) Function of Health personnel in clinics

**UNIT-III (15 Hrs.)**

**Principles of Epidemiology and Epidemiological methods**

Definition and aims of epidemiology, communicable and non-communicable diseases.

a) Basic tools of measurement in epidemiology, b) Uses of epidemiology c) Disease cycle d) Spectrum of disease e) Levels of prevention of disease f) Disease transmission – direct and indirect g) Immunizing agents, immunization and national immunization schedule h) Control of infectious diseases. i) Disinfection.

**Demography:** Definition, Concepts and Scope. National family Welfare Policy - National family Welfare Programme - Role of a nurse in the family planning programme.

**UNIT-IV (15 Hrs.)**

**Health care delivery system** a) Health care concept and trends

b) Health care services - Public sector, Rural, Urban

c) Indigenous systems of medicine Ayurvedha, yoga, unani, siddha and homeopathy (AYUSH)

d) Voluntary health services

e) National Health Programmes

f) Nurse role in health care services

**Specialized community health services nurse's role**

a) RCH (reproductive health and child care)

b) National Health Mission (rural/ urban)

c) Emergency ambulance services.

d) Government health insurance schemes

e) Occupational health nursing (including Homes for the health care providers)

f) Geriatric nursing



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- g) Care of differently abled- Physical and mental
- i) Rehabilitation nursing

**Reference Books:**

1. Park (JE), Textbook of Preventive and Social Medicine, Bhanarsida Bhanot Publishers, Jabalpur.
2. Stanhope (M), Public Health Nursing: Population- Centered Health care in the Community, Elsevier.
3. Rao (KS), Introduction to Community Health Nursing, S.I. Publications, Chennai.
4. T.N.A.I., A Community Health Nursing Manual, New Gian Offset Press, New Delhi.

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**MIDWIFERY OBSTETRICAL NURSING**

**Subject Code: CNRAS1-202**

**L T P C**

**Duration: 60 Hrs.**

**3 1 0 4**

**Course Objectives:**

- This course is designed for students to appreciate the concepts and principles of midwifery and obstetrical nursing. It helps them to acquire knowledge and skills in rendering nursing care to normal and high-risk pregnant woman during antenatal, natal and post-natal periods in hospitals and community settings.

**UNIT-I (15 Hrs.)**

**Introduction to midwifery and obstetrical Nursing:** Introduction to concepts of midwifery and obstetrical Nursing, Trends in midwifery and obstetrical nursing, Historical perspectives & current trends, Legal and ethical aspects in midwifery, Preconception care and preparing for parenthood, Role of nurse in midwifery and obstetrical care, Maternal morbidity, mortality and fertility rates Perinatal morbidity and mortality rates.

**UNIT-II (15 Hrs.)**

**Female organs of reproduction-** external genitalia, internal, genital organs and their anatomical relations, musculature—blood- supply, nerves, lymphatic, pelvic cellular tissue, pelvic peritoneum Physiology of menstrual cycle, Human sexuality, Fetal development, Review of Genetics.

**Assessment and management of pregnancy (ante-natal): Normal pregnancy, Physiological changes during pregnancy:** Reproductive system, Cardio vascular system, Respiratory system, Urinary system, Gastro intestinal system, Metabolic changes, Skeletal changes, Skin changes, Endocrine system.

**Psychological changes:** Discomforts of pregnancy, Diagnosis of pregnancy, Signs, Differential diagnosis, Confirmatory tests.

**UNIT-III (15 Hrs.)**

**Ante-natal care:** Objectives, Assessment: History and physical examination, Antenatal Examination, Modalities of diagnostics: invasive, non-invasive, ultrasonic, cardio tomography, NST, CST. Signs of previous child-birth.

**Education for child-birth,** Preparation for safe confinement

**Psycho-social and cultural aspects of pregnancy:** Adjustment to pregnancy, Unwed mother, Single parent, teenage pregnancy, Sexual violence, Substance use, Adoption.

**UNIT-IV (15 Hrs.)**

Assessment and management of intra-natal period, Assessment and management of women during post-natal period, Assessment and management of normal neonates, High-risk pregnancy -assessment & management, Abnormal Labour – assessment and management, Assessment and management of High-risk new-born.

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**Reference Books:**

1. Fraser (DM), Myles Textbook of Midwives, Churchill Livingstone.
2. Dutta (DC), Textbook of Obstetrics, New Central Book Agency.
3. Lowdermilk, Maternity Nursing, Mosby.
4. Willams, Obstetrics, McGrawhill, 22nd Edition.
5. Bobak, Maternity Nursing Care, Elsevier.
6. Maternity & Child Health Nursing Care for the childbearing family, LWW, 5<sup>th</sup> edition.
7. Wong, Maternity Child Nursing Care, Mosby.

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**MEDICAL SURGICAL NURSING**

**Subject Code: CNRAS1-203**

**L T P C**

**Duration: 60 Hrs.**

**3 1 0 4**

**Course Objectives:**

- The purpose of this course is to acquire knowledge and develop proficiency in caring for patients with medical and surgical disorders in varieties of health care settings and at home.

**UNIT-I (15 Hrs.)**

**Nursing management of patient with disorders of Ear Nose and throat**

Review of anatomy and Physiology of the Ear Nose and Throat, Nursing Assessment-History and physical assessment, Etiology, pathophysiology, clinical, manifestations, diagnosis, treatment, modalities and medical & surgical nursing management of Ear Nose and Throat disorders; External ear - deformities otalgia, foreign bodies and tumors Middle ear impacted wax, Tympanic, membrane perforation, otitis media, otosclerosis, mastoidities, tumours Inner ear - Meniere's disease, labyrinthitis, ototoxicity, tumours

**Upper airway infections:** common cold, sinusitis, pharyngitis, tonsillitis and adenoiditis, peritonsil, laryngitis. Upper respiratory airway-epistaxis, Nasal obstruction.

**UNIT-II (15 Hrs.)**

**Nursing management of patient with disorders of eye:** Review of anatomy and physiology of the eye –Nursing assessment -History and physical Assessment, Etiology, pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical & surgical nursing management of eye disorders. Blindness, National blindness control program.

**UNIT-III (15 Hrs.)**

**Nursing management of patient with Neurological disorders:** Review of anatomy and physiology of the neurological system, Nursing Assessment-History and physical and neurological assessment and Glasgow coma scale, Etiology, pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical & surgical nursing management of neurological disorders, Congenital malformation, Headache, Head injuries, Spinal Injuries.

**UNIT-IV (15 Hrs.)**

**Nursing management of patient with disorders of female reproductive system:** Review of anatomy and physiology of the female reproductive system, Nursing Assessment-History and physical assessment

**Vulvar Disorders:** Cysts, tumours Diseases of breasts, nursing management of patient with Burns, reconstructive and cosmetic surgery, nursing management of patient with oncological conditions.

**Recommended Books:**

1. Brunner (V), Medical Surgical Nursing, LWW, 10<sup>th</sup> Edition.
2. Black, Medical Surgical Nursing: Clinical Management for positive outcomes, Elsevier, 7th Edition.
3. Willams, Understanding Medical Surgical Nursing, Jaypee, 3rd Edition.
4. Timby, Introductory Medical Surgical Nursing, LWW, 9th Edition.
5. Lewis, Medical Surgical Nursing Assessment & Management of Clinical Problems, Elsevier 7th edition
6. Ignatavicius, Critical Thinking for Collaborative Care, Elsevier, 5th Edition.

**CHILD AND MENTAL HEALTH NURSING**

**Subject Code: CNRAS1-204**

**L T P C**

**Duration: 60 Hrs.**

**3 1 0 4**

**Course Objectives:**

- This course is designed for developing an understanding of the modern approach to child- care, identification, prevention and nursing management of common health problems of neonates and children.

**UNIT-I (15 Hrs.)**

**Introduction Modern concepts of childcare:** Internationally accepted rights of the child, National policy and legislations in relation to child health and welfare, National programmes related to child health and welfare, Changing trends in hospital care preventive, promotive and curative aspects of child health, Child morbidity and mortality rates, Difference between adult and child, Hospital environment for a sick child, Impact of hospitalization on child and family, child health nurse in caring for a hospitalized child.

**UNIT-II (15 Hrs.)**

**The healthy child:** Principles of growth and development, Factors affecting growth and development, Growth and development from birth to adolescence, The needs of normal children through the stages of development and parental guidance, Nutritional needs of children & infants: Breast feeding, exclusive breast feeding supplementary /artificial feeding and weaning, Baby friendly hospital concept, Value of play and selection of play materials. Nursing care of a normal new-born /essential new-born care, Neonatal resuscitation, nursing management of a low birth baby, Kangaroo mother care, nursing management of common neonatal disorders Organization of neonatal unit

**UNIT-III (15 Hrs.)**

**Introduction:** Perspectives of Mental Health and Mental Health Nursing; Evolution of Mental Health Services, treatments and Nursing practices, Prevalence and incidence of mental health problems and disorders, Mental Health Act, Nature and scope of Mental Health nursing, Role and function of Mental Health Nurse in various settings and factors affecting the level of nursing practice.

**UNIT-IV (15 Hrs.)**

**Treatment modalities and therapies used in mental disorders:** Psycho Pharmacology, Psychological therapies, nursing management of patients with Schizophrenia, and other psychotic disorders. Nursing management of patients with mood disorders, Nursing management of patients with neurotic, stress related and somatization disorders, Nursing management of patients with substance use disorders, nutritional deficiency disorders, Respiratory disorders and infections Gastro intestinal infections, infestations and congenital disorders, Cardiovascular problems: congenital defects and Rheumatic fever, Rheumatic heart disease, Genitourinary disorders:

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**Reference Books:**

1. Whaley & Wongs, Nursing Care of Infants & Children, Mosby, Philadelphia.
2. Marlow, Textbook of Paediatric Nursing, Hare court (India) Ltd.
3. Nelson, Textbook of Paediatrics, Hare court India private Ltd.
4. Parthasarathy, IAP Textbook of Paediatrics, Jaypee Brothers Medical Publishers, New Delhi.
5. Hockenberry, Wong's Maternal Child Nursing Care, Mosby.

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**MIDWIFERY OBSTETRICAL NURSING LAB**

**Subject Code: CNRAS1-205**

**L T P C**

**Duration: 60 Hrs.**

**0 0 4 2**

- Assessment of pregnant women
- Assess woman in labour
- Carry out per- vaginal examinations
- Conduct normal deliveries
- Perform episiotomy and suture it
- Resuscitate new-borns
- Assist with Cesarean Sections
- MTP and other surgical procedures
- Provide nursing care to post-natal mother and baby
- Counsel and teach mother and family for parent hood
- Provide nursing care to new born at risk

**MRSPTU SKILL CERTIFICATE COUSE IN NURSING ASSISTANT  
SYLLABUS 2023 BATCH ONWARDS**

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**MEDICAL SURGICAL NURSING LAB**

**Subject Code: CNRAS1-206**

**L T P C**

**Duration: 60 Hrs.**

**0 0 4 2**

- Perform examination of ear, nose and throat
- Assist with diagnostic procedures Assist with therapeutic
- Procedures Instillation of drops
- Perform/ assist with irrigations
- Perform examination of eye
- Assist with diagnostic procedures
- Assist with therapeutic procedures
- Apply eye bandage
- Apply eye drops
- Perform neurological examination
- Use Glasgow coma scale
- Assist with gynaecological examination



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SYLLABUS 2023 BATCH ONWARDS**

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**CHILD AND MENTAL HEALTH NURSING LAB**

**Subject Code: CNRAS1-207**

**L T P C  
0 0 4 2**

**Duration: 60 Hrs.**

- Taking Paediatric history
- Physical examination and assessment of children
- Administration of oral, IM, IV medicine/ Fluids
- Calculation of fluid requirements
- Prepare different strengths of IV fluid
- Apply restrains
- Administer O2 inhalation by different methods
- Give baby bath
- Feed children by Katori spoon etc.
- Collect specimens for common investigation
- Assist with common diagnostic procedures
- Teach mothers/parents
- Care of baby in incubator/warmer
- Care of child on ventilator
- Endotracheal suction
- Chest physiotherapy