



Integral University, Lucknow

Effective from Session: 2023-2024							
Course Code	NRV101	Title of the Course	Bio-Science (Anatomy and Physiology , Microbiology)	L	T	P	C
Year	First	Semester	Non Semester	2	1	0	0
Pre-Requisite	None	Co-requisite	None				
Course Objectives	<p>Anatomy and Physiology This course is designed to help students gain knowledge of the structure and function of the human body and recognize any deviation from normal health in order to render effective nursing services.</p> <p>Microbiology This course is designed to help students gain knowledge and understanding of the characteristics and activities of micro- organisms, how they react under different conditions and how they cause different disorders and diseases. Knowledge of these principles will enable student to understand and adopt practices associated with preventive and promotive health care.</p>						

Course Outcomes	
CO1	Define, spell, and describe anatomical terms, organs of the body, systemic function, their inter-relationship, composition of blood, its functions, structure and functions the heart and blood vessels.
CO2	Describe the structure and functions of the lymphatic system, respiratory system, digestive system, and organs of the excretory system.
CO3	Describe the structure and functions of endocrine glands, male and female reproductive systems, and accessory organs, as well as the nervous system.
CO4	Describe the structure and function of sensory organs, skeletal system, and muscular system.
CO5	Describe the evolution, relevance, classification, normal flora, common diseases caused by pathogens, methods to study, sources of infection, growth, transmission, principles in collecting specimens, various types of immunity, hypersensitivity, autoimmunity, immunizing agents, methods of control and destruction of microbes, and demonstrate skill in handling & care of microscopes while identifying common microbes under the microscope.

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO
1	Introduction to anatomical terms organization of the human body Introduction to the detailed structure of the body Blood The circulatory system	Anatomical terms ,Systems and cavities of the human body, The cell: Structure, reproduction and function ,Tissues including membranes and glands : types, structure and functions Body cavities and their contents Composition and formation of blood, Functions of blood ,Blood clotting, blood grouping and cross matching, Blood products and their use Heart: Structure, functions including conduction system and cardiac cycle, Blood vessels: Types, structure and position, Circulation of blood, Blood pressure and pulse.	22	CO1
2	The Lymphatic System The Respiratory System The Digestive System The Excretory System	Structure and functions of lymph vessels, Lymph nodes and lymph circulation, lymphatic tissue – spleen and thymus structure and functions of respiratory organs, The physiology of respiration Structure and functions of the alimentary tract and its accessory organs, The process of digestion, absorption and metabolism of food constituent Characteristics of normal respiration and deviation, Structure and functions of the kidney, ureters, urinary bladder and urethra ,Formation and composition of urine ,Fluid and electrolyte balance, Structure and functions of the skin ,Regulation of the body temperature.	24	CO2

1-Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation
Attributes & SDGs

Course Code	Course Title	Attributes							SD Gs No.
NRY 101	BIO-SCIENCE	Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	Professional Ethics	
		√		√					3,4

1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation

Name & Sign of Program Coordinator		Sign & Seal of HoD	
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Integral University, Lucknow

Effective from Session: 2023-2024							
Course Code	NRY 102	Title of the Course	Behavioural Science (Psychology, Sociology)	L	T	P	C
Year	First	Semester	Non Semester	3	1	0	0
Pre-Requisite	None	Co-requisite	None				
Course Objectives	<p>Psychology This course is designed to help students understand the dynamics of human behavior and concept of mental health. This shall enable them to develop positive attitude and good inter – personal relationships in the practice of nursing in all health care settings.</p> <p>Sociology This course is designed to help student gain an understanding of sociology in the context of its relevance to nursing practice.</p>						

Course Outcomes	
CO1	State the concept, scope, and importance of psychology, describe the structure of the mind, illustrate the dynamics of human behavior, and describe the concept of mental health.
CO2	Describe and apply the process of learning, thinking, reasoning, observation and perception
CO3	Discuss the nature and measurement of intelligence as well as the concept and development of personality.
CO4	Describe The nature, scope, and content of sociology and its importance in nursing; the influence of the environment on individual development and the rights and responsibilities of the individual in society; and the concept of family as a social unit.
CO5	Describe social groups, social change, control, stratification, and social problems, as well as the culture and characteristics of a community.

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO
1	Introduction Psychology of Human Behavior	Definition, nature and scope of psychology, Importance of psychology for nurses, Conscious, pre-conscious, Id, ego and super ego Basic human needs, dynamics of behavior, motivation drives, Body mind relationship, mental health, characteristics of mentally healthy person, emotional control, psychological problems of patients and relatives, Stress and conflict, natural sources and types of stress and conflicts, dealing with stress and conflict, frustration – sources and overcoming frustration, Mental mechanism their uses and importance ,Attitude – meaning, development changes in attitude, effects of attitudes on behavior, importance positive attitude for the nurse, Habits – meaning and formation ,Breaking of bad habits, importance of good habit formation for the nurse.	10	CO1
2	Learning Thinking and Reasoning	Nature, types and laws of learning ,Factors affecting learning, memory and forgetting ,Nature and types of thinking, reasoning, problem solving, importance of creative thinking for nurse , perception, laws of perception, factors affecting attention and perception and errors in perception.	12	CO2
3	Personality Intelligence	Meaning, nature and development, types of personality, Assessment of personality importance of knowledge of personality for the nurse ,Characteristics of various age groups – child adolescent, adult and aged, Will and character ,Definition, meaning, individual differences in intelligence ,Mental ability, nature of intelligence and development ,Assessment of intelligence Describe the concept of the family as a social unit and the status of the individual in the family ,Explain the dynamics of society and identify common social problems ,Demonstrate ability to understand the socio-cultural and economic aspects of the community in the light of their effects on health and illness, Utilize the knowledge and understanding of sociology in	11	CO3

		nursing practice.		
4	Introduction Individual The family	Definition and scope of sociology, Its relationship with other social sciences ,Uses of sociology for nurses, Review of human growth and development ,The socialization process, Effect of environment on human growth and development, Rights and responsibilities of the individual in a democratic society, Definition, characteristics and types of family, Family cycle and basic needs of family ,Importance of interdependence of family members ,Important functions of family and their problems, Types of marriage, medical and sociology aspects of marriage.	15	CO4
5	Society the community	Definition and meaning, Social groups – Types, structure, intergroup relationship group cycle, group behavior and group morale ,Social change – meaning, factors affecting and effect on society and institution leading to social problems, Social control, Social Stratification, Social problems – prostitution, crime divorce, dowry system, juvenile delinquency, drug addiction alcoholism, handicapped, over population and slum ,Social agencies and remedial measures.	12	CO5

CO2Reference Books:

1.Text Book of Psychology by Clement

2.Textbook of Sociology by KP Neeraja

3.Psycology for Nurses by R Sreevani

E-Learning Source:

<http://library.iul.ac.in/ELibrary.aspx>

<https://india.oup.com/>

<https://www.doabooks.org/>

<http://library.iul.ac.in/ELibrary.aspx>

Course Articulation Matrix: (Mapping of COs with POs and PSOs)

PO- PSO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3
CO1	3	2	1	2	2	3	2	3	2	1
CO2	2	3	1	2	2	2	2	2	3	2
CO3	2	3	3	1	1	3	2	3	2	3
CO4	1	2	2	3	3	2	2	1	3	1
CO5	2	2	1	2	3	3	2	3	1	2

1-Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation
Attributes & SDGs

Course Code	Course Title	Attributes							SD Gs No.
NRY102	Behavioral Sciences	Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	Professional Ethics	3,4, 8, 10, 11,16
		√		√	√	√	√	√	

Name & Sign of Program Coordinator

Sign & Seal of HoD



Integral University, Lucknow

Effective from Session: 2023-2024

Course Code	NRY 103	Title of the Course	Nursing Foundation	L	T	P	C
Year	First	Semester	Non Semester	4	1	0	4
Pre-Requisite	None	Co-requisite	None				
Course Objectives	<p>Nursing Foundation This course is designed to help students develop an ability to meet the basic health need of the patients with regard to nursing care and develop skill in the competencies required for rendering effective patient care.</p> <p>First Aid This course is designed to help students develop and understanding of community emergencies and be able to render first aid services as and when need arises.</p>						

Course Outcomes

CO1	Define nursing, explain its nature, meaning, scope, ethics, and principles, identify the qualities of a professional nurse and health care agencies, describe the holistic approach to nursing, the determinants of health, the effects of illness, nursing care of the patient/client in the hospital using the nursing process, and demonstrate skill in the admission and discharge process, maintenance of a safe environment, and records and reports.
CO2	Describe basic needs of the patient .Demonstrate skill in meeting basic care of the patient
CO3	Demonstrate skills in assessing the patient and infection control practices, while also describing the principles of assessment, methods in the clinical setting, and therapeutic nursing care.
CO4	Explain the principles, routes, effects of administration of medications
CO5	Describe the importance and principle of first aid, demonstrate skill in first aid techniques, describe first aid in common emergencies, and list various community emergencies and community resources.

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO
1	Introduction to nursing care of the patient	<p>Nursing – concept, meaning, definitions, scope and functions, History of nursing in India, Nursing as a professional ,Nursing professional – qualities and preparation ,Ethics in Nursing – roles and responsibilities of a nurse ,Health care agencies – hospital and community service – types and functions of hospitals health team, Modern approaches to nursing care including holistic nursing care ,Health and disease, Definition of health, determinants of health status, Basic human needs, Illness and its effects on individual Patient environment in the hospital</p> <p>Patient unit, Therapeutic environment ,Physical factors – lighting temperature, ventilation, humidity, noise, pestilence, ,Safety needs, prevention of environmental hazard ,Psychosocial and aesthetic factors ,Patient’s Adjustment to the Hospital ,Understanding the patient as a person, socio – economic and cultural background, health status etc., Effect of hospitalization on patient and family, Admission, transfer, discharge procedures ,Basic nursing skills- ,Communication ,Nursing interview ,Recording and reporting Nursing procedure ,Meaning and importance ,Assessment, Nursing diagnosis planning, implementation and evaluation ,Nursing care plan</p>	31	CO1

2	Meeting the basic needs of a patient	Physical needs – ,Comfort, rest, sleep and exercise, importance and its promotion ,Body mechanics – moving, lifting, transferring ,Position and posture maintenance ,Comfort devices, Beds and bed making – principles of bed making, types and care of bed linen, Safety devices, restraints and splints, Exercises – active and passive ,Hygienic needs ,Personal and environmental hygiene personal, Nurses notes in maintaining personal and environmental hygiene ,Care of eyes, nose, ear, hands and feet, Care of mouth, skin, hair and genitalia ,Care of pressure areas, bed sores, Elimination needs ,Health and sickness ,Problems – constipation and diarrhea, retention and incontinence of urine ,Nurse’s role in meeting elimination needs, Offering bed pan and urinal, Observing and recording abnormalities ,Preparation and giving of laxative, suppositories, enemas, bowel wash, flatus tube, Perineal care, care of patient with urinary catheter, diapers, Maintenance of intake and output records ,Nutritional needs ,Diet in health and disease ,Factors affecting nutrition in illness, Nurse’s role in meeting patients nutritional needs ,Modification of diet in illness ,Diet planning and serving, Feeding helpless patients including artificial methods of feeding ,Psychological and spiritual needs ,Importance ,Nurse’s role – Diversional and recreational therapy ,Care of terminally ill and dying patient ,Dying patient’s signs and symptoms needs of dying patient and family ,Nursing care of dying -: special considerations; advance directives, euthanasia, will dying declaration, organ donation etc., Medico legal issues ,Care of the dead body, Care of unit Autopsy Embalming	71	CO2
3	Assessment of patient / client Infection control Therapeutic Nursing Care	Physical assessment ,Importance, principles, methods of assessment, Height, weight, posture ,Head to toe examination ,Physiological assessment ,Vital signs, normal, abnormal characteristics, factors influencing the variations, Observation and collection of specimens – urine, stool, vomits and sputum, Physiological assessment ,Mood, intelligence, emotions normal and abnormal behavior Infection control:, Nature of infection ,Chain of infection transmission ,Defence against infection: natural and acquire Hospital acquired infection (nosocomial infection),Concept of asepsis:, Medical and surgical asepsis, Isolation precautions, barrier nursing ,Hand washing: simple, hand asepsis, surgical asepsis (scrub),Isolation – source and protection, Personal protective equipments types, uses and techniques of wearing and removing ,Decontamination of unit and equipment ,Transportation of infected patient, Standard safety precaution ,Transmission based precautions, Bio-medical waste management ,Importance, Types of hospital waste ,Hazards associated with hospital waste ,Decontamination of hospital waste ,Segregation and transportation ,Disposal Care of patients with respiratory problems / dyspnea, Deep breathing and coughing exercises ,O2 inhalation ,Dry and moist inhalation ,Oro nasal suctioning ,Care of patient with altered body temperature-hot and cold applications ,Care of patients with Fluid and Electrolyte imbalance ,Care of unconscious patient, Care of the bed-ridden patient (traction, fracture etc.),Care of patient with pain ,Care of	64	CO3

		patients with body elimination deviation.		
4	Introduction to clinical pharmacology	<p>Administration of medication: General principles / considerations ,Purpose of medication ,Principles: Rights, special considerations, prescriptions, safety in administering medications and medication errors, Drugs forms,Routes of administration ,Storage and maintenance of drugs and nurses responsibility, Broad classification of drugs, Therapeutic effect, side effect, toxic effect, allergic reaction, drug tolerance, drug interactions ,Factors influencing drug actions ,Systems of drug measurement: metric system, household measurements, Converting measurements units:, Terminologies and abbreviations used in prescription of medications, Oral drug administration: oral, sublingual, buccal : equipment and procedure ,Parental: ,General principles ,Types of parental therapies ,Types of syringes, needles, canulas and infusion sets, Protection from needle stick injuries, giving medications with a safety syringes ,Routes of parental therapies ,Purpose, site equipment, procedure and special considerations in giving intradermal, subcutaneous, intramuscular and intravenous medications, Advanced techniques: epidural, intrathecal, intraosseous, intraperitoneal, intrapleural, intra arterial ,Role of nurse, Topical administration: purposes, sit, equipment, procedure, special considerations for applications to skin and mucous membrane ,Direct application: ,Gargle, throat swab ,Insertion of drug into body cavities: nasal pack, suppositories / medicated packing into rectum / vagina, Instillations: ear, eye, nasal, bladder and rectal ,Irrigations: eye, ear, bladder, vaginal and rectal, Spray: nose and throat, Inhalations: nasal, oral, endotracheal, tracheal (steam, oxygen and medications) – purposes, types, equipments, procedure and special considerations, Recording and reporting of medications administered ,Describe the rules of first aid, Demonstrate skills in rendering first aid in case of emergencies</p>	30	CO4
5	Introduction Procedures and Techniques in First Aid First aid in emergencies Community Emergencies & Community Resources	<p>Definition, Aims and importance of first aid, Rules / General principles of First Aids, Concept of emergency Preparation of First Aids kit ,Dressing, bandaging and splinting (spiral, reverse spiral, figure of 8 spica, shoulder, hip, ankle, thumb, finger, stump, single and double eye, single and double ear, breast, jaw, capelin), triangle bandage uses, abdominal binder, T and many tail bandage, knots reef, clove ,Transportation of the injured CPR: Mouth to mouth, Sylvester, Schafer, external cardiac massage, Asphyxia, drowning, shock ,Wounds and bleeding ,Injuries to the Bones, joints and muscle – fractures, sprains, strains, hanging, falls, Burns and scalds ,Poisoning – ingestion, inhalation, bites and stings, Foreign body in eye, ear, nose and throat, Fire explosion, floods, earth-quakes, famines etc., Role of nurses in disaster management ,Rehabilitation ,Community Resources ,Police, Ambulance services ,Voluntary agencies-local, state national and international.</p>	20	CO5
Reference Books:				
1. Fundamentals of Nursing by Potter-Perry				
2. Fundamentals of Nursing by B T Basavanthappa ,				

3. Fundamentals of Nursing, Caring & Clinical Judgment by Helen Harkreader ,
4. Fundamental Concepts and Skills for Nursing by Dewit Susan c.,
e-Learning Source:
http://library.jul.ac.in/ELibrary.aspx
https://india.oup.com/
https://www.doabooks.org/

	Course Articulation Matrix: (Mapping of COs with POs and PSOs)									
PO- PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3
CO										
CO1	3	3	2	3	2	2	2	3	3	3
CO2	2	2	1	2	1	1	2	2	2	2
CO3	3	3	2	3	2	2	2	3	3	3
CO4	2	3	2	3	1	2	2	3	3	2
CO5	1	2	1	2	3	2	2	2	2	2

1-Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation

Attributes & SDGs									
Course Code	Course Title	Attributes							SD Gs No.
NRY103	Nursing Foundation	Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	Professional Ethics	3,4, 5,8, 12,1 7
		√	√	√	√	√	√	√	

Name & Sign of Program Coordinator					Sign & Seal of HoD				
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Integral University, Lucknow

Effective from Session: 2023-2024

Course Code	NRV 104	Title of the Course	Community Health Nursing-I	L	T	P	C
Year	First	Semester	Non Semester	3	1	0	4
Pre-Requisite	None	Co-requisite	None				
Course Objectives	<p>Community Health Nursing-I This course is designed to help students gain an understanding of the concept of community health in order to introduce them to the wider horizons of rendering nursing services in a community set – up, both in urban and rural areas.</p> <p>Environmental Hygiene This course is designed to help students acquire the concept of health, understanding of the principles of environmental health and its relation to nursing in health and disease.</p> <p>Health Education And Communication Skills This course is designed to help students to</p> <ol style="list-style-type: none"> 1. Acquire the concept of health education and develop an ability to select and/or prepare appropriate audio-visual aids and use them effectively to communicate with the individuals and community 2. Understand the principles of communication and counseling, and its application in nursing practice. <p>Nutrition This course is designed to help students understand that nutrition is an integral component of health as nutrients play a vital role in the growth, development and maintenance of the body.</p>						

Course Outcomes

CO1	Describe the concept of health and disease and community health, explain various aspects of Community Health Nursing, demonstrate skills in applying nursing process in Community Health Nursing settings, demonstrate skill in assessing the health status and identify deviations from normal parameters in different age groups, and describe the principles of epidemiology and epidemiological methods in community health nursing practice.
CO2	Demonstrate skill in providing comprehensive nursing care to the family, describe the principles and techniques of family health care services at home and in clinics, describe the referral system and community resources for referral, list the records and reports used in community health nursing practice, and explain the management of minor ailments.
CO3	Explain the importance of a healthy environment and its relation to health and disease, describe the environmental factors contributing to health and illness, and describe the community organization to promote environmental health.
CO4	Describe the concept and different aspects of communication, describe the aims and objectives, scope, levels, approaches, and principles of health education, demonstrate the skills of counseling, and describe the types of AV aids, demonstrating skill in preparing and using different kinds of audio-visual aids.
CO5	Describe the relationship between nutrition and health, the classification of food, normal dietary requirements, the principles and various methods of preparation, preservation, and storage of food, therapeutic diet, the concept of community nutrition, and demonstrate skill in calculating normal food requirements and preparation of common food items.

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO
1	Introduction to Community Health Nursing Community Health Nursing Assessment Principles of epidemiology and epidemiological methods	Philosophy, goals, objectives & principles, concept and importance of Community Health Nursing , Qualities and functions of Community Health Nurse, Steps of nursing process; community identification, population composition, health and allied resources, community assessment, planning & conducting community nursing care services, Characteristics of a healthy individual, Health assessment of infant, preschool, school going, adolescent, adult, antenatal woman, postnatal woman and elderly, ,Definition and aims of epidemiology, communicable and non-communicable diseases ,Basic tools of measurement in epidemiology ,Uses of epidemiology ,Disease cycle ,Spectrum of disease ,Levels of prevention of disease ,Disease transmission – direct and indirect ,Immunizing agents, immunization and national immunization schedule	44	CO1

		,Control of infectious diseases.		
2	Family Health Nursing Care Family Health Care Setting Home Visit: Referral System and reports Minor Aliments	Disinfection Family as a unit of health ,Family health care services, Family health care plan and nursing process ,Family health services – maternal, child care and family welfare services ,Roles and function of a community health nurse in family health service, Family health records ,Purposes, Principles, Planning and evaluation ,Bag technique ,Clinic: Purposes, type of clinics and their functions ,Function of Health personnel in clinics, Levels of health care and health care setting ,Referral services available ,Steps in referral ,Role of a nurse in referral Types and uses Essential requirements of records and reports & maintenance Principles of management ,Management as per standing instructions / orders Organize home visit ,Prepare bag and demonstrate bag technique, Build up and maintain report with family ,Identify needs of community ,Practice procedure ,Make referrals ,Plan and conduct health education on identified health needs ,Set up clinics with help of staff, Maintain records and reports, Collect and record vital health statistics ,Learn about various organizations of community health importance ,Health Assessment Family ,Identify the health needs of various age groups ,Maintain family folders, Assessment nutritional needs Demonstrate different methods of preparing food according to the nutritional need of family ,Conducting home visits ,Nutritional assessment of individuals ,Provide care at home as per standing orders / protocol, Conduct health education ,Set up of different clinics ,Maintain records & reports ,Practice family health nursing ,Demonstrate different methods of preparation of meals.	36	CO2
3	Introduction Environmental Factors Contributing to Health Community organizations to promote Environmental health	Components of environment ,Importance of healthy environment Water: ,Sources and characteristics of safe and wholesome water, Uses of water ,Rain water harvesting, Water pollution – natural and acquired impurities ,Water borne diseases ,Water purification – small and large scale Composition of air, Airborne diseases, Air pollution and its effect on health, Control of air pollution and use of safety measures, Waste: ,Refuse – garbage, excreta and sewage, Health hazards, Waste management: collection, transportation and disposal Housing: Location ,Type ,Characteristics of good housing ,Basic amenities ,Town planning ,Ventilation: Types and standards of ventilation Lighting:, Requirements of good lighting ,Natural and artificial lighting ,Use of solar energy Noise :,Sources of noise ,Community noise levels ,Effects of noise pollution ,Noise control measures ,Arthropods :,Mosquitoes, housefly, sand fly, human louse, rat fleas, rodents, ticks etc., Control measures Levels and types of agencies :,National, state, local ,Government, voluntary and social agencies Legislations and acts regulating the environmental hygiene .	30	CO3
4	Health Education Counseling Methods and of Media Health Education	Definition, process, purpose, principles, types and importance of communication ,Barriers in communication ,Establishment of successful communication ,Observing and listening skills Concept, definition, aims and objectives of health education, Principles of health education ,Process of change / modification of health behavior, Levels and approaches of health education ,Methods of health education, Scope and opportunities for health education in hospital and community ,Nurse's role in health education Definition, purpose, principles, scope and types, Qualities of a good counselor ,Difference between health education and counseling, Role of nurse in counseling Definition, purpose and types of audio-visual aids and media Selection, preparation and use of audio-visual aids: graphic aids, printed aids, three dimensional aids and projected aids ,Advantages and limitations of different media, Preparation of health education plan ,Describe the principles of nutrition and dietetics and its relationship to the human body in health and disease, Describe the balanced diet in promotion	40	CO4

		of health Apply this knowledge in providing therapeutic diet in care of the sick, Demonstrate skills in selection, preparation and preservation of food .		
5	Introduction Classification of food Normal Dietary Requirements Food preparation, preservation & Storage Therapeutic Diet Preparation of diet / practical	Meaning of food, nutrition, nutrients etc., Food Habits and customs, Factors affecting nutrition ,Changing concepts in food and nutrition ,Relation of nutrition to Health Classification by origin: Food and animal origin ,Food of plant origin ,Classification by chemical composition and sources ,Carbohydrates ,Proteins ,Fats , Minerals ,Vitamins ,Water, Classification by predominant functions, Body building food ,Energy giving food, Protective food Classification by nutritive value ,Cereals and millets, Pulses and legumes ,Vegetables ,Nuts and oil seeds ,Fruits ,Animal Food ,Fats and oils, Sugar and Jiggery ,Condiments and spices, Miscellaneous food, Energy: Calorie, Measurement, Body Mass Index, Basal Metabolic Rate – determination and factors affecting ,Balanced Diet – nutritive value of foods, calculation for different categories of people, normal food requirement calculation, Menu plan. Combination of food affecting and enhancing the nutritive value of the diet, Budgeting for food, low cost meals, food substitutes ,Diseases and disorders caused by the imbalance of nutrients, Food allergy – cause, types, diet modifications in gluten, lactose and protein intolerance etc. Food intolerance – inborn errors of metabolism Principles of cooking, methods of cooking and the effect of cooking on food and various nutrients. Safe food handling, health of food handlers, Methods of food preservation – household and commercial, precautions ,Food storage – cooked and raw, household and commercial, ill effects of poorly stored food, Food adulteration and acts related to it Diet modification in relation to medical and surgical condition of the individual such as Protein Energy Malnutrition (PEM), Diabetes, Cardio Vascular disease, Hepatitis, Renal, Gouts, Irritable Bowel Syndrome (IBS), Obesity, Cholecystectomy, partial gastrectomy, bariatric surgery and colostomy etc. ,Special diet – low sodium diet, fat free diet, diabetic diet, bland diet, high protein diet, low protein diet, low calorie diet, geriatric diet, iron rich diet, liquid diet, semi – solid diet, soft diet and high fiber diet etc. ,Factors affecting diet acceptance, feeding the helpless patient, Health education on nutrition needs and methods in diet modification Nutritional problems and programmes in India ,Community food supply, food hygiene and commercially prepared and grown food available locally, National and international food agencies – Central Food Training Research Institute (CFTRI), Food and Agriculture Organization (FAO), National Institute of Nutrition (NIN), Food Safety and Standards Authority of India (FSSAI), CARE (Cooperative for Assistance and Relief Everywhere), National Institute of Public Cooperation and Child Development (NIPCCD) etc., Beverages: hot and cold, juice, shakes, soups, lassi, barley water,Egg preparation: egg flip, scramble, omlet, poached egg, Light diet: porridges, gruel, khichari, dalia, kanji, boiled vegetables, salads, custards, Low cost high nutrition diets – chikki, multigrain roti.	30	CO5

Reference Books:

1. "Textbook of Community Health Nursing" by Basavanthappa BT
2. "Community Health Nursing: A Global Perspective" by Judith Ann Allender, Cherie Rector, and Kristine Warner
3. "Textbook of Community Health Nursing" by I Clement
4. "Community Health Nursing: Principles and Practice" by Park K.

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<https://www.doabooks.org/>

	Course Articulation Matrix: (Mapping of COs with POs and PSOs)									
PO- PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3
CO										
CO1	3	2	-	2	1	1	2	3	2	2
CO2	2	3	1	3	2	2	2	3	3	2
CO3	2	2	2	2	2	3	3	3	2	3
CO4	1	3	1	3	3	3	2	2	3	2
CO5	2	2	-	1	3	2	1	3	2	2

1-Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation

Attributes & SDGs									
Course Code	Course Title	Attributes							SD Gs No.
NRY 104	Community Health Nursing-I	Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	Professional Ethics	
		√	√	√	√	√	√	√	3,4,6,8,12,13,15,16
Name & Sign of Program Coordinator				Sign & Seal of HoD					



Integral University, Lucknow

Effective from Session:2023-24

Course Code	NRV 105	Title of the Course	English	L	T	P	C
Year	First	Semester	Non Semester	1	1	0	0
Pre-Requisite	None	Co-requisite	None				
Course Objectives	This course is designed to help students develop an ability to comprehend spoken and written English, so as to communicate effectively.						

Course Outcomes

CO1	Speak and write correct grammatical English
CO2	Develop ability to read , understand and write in English
CO3	Demonstrate conversation skills.

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO
1	Grammar	Review of basic grammar ,Building vocabulary	6	CO1
2	Composition	Sentence construction and usage ,Reading comprehension ,Written composition: paragraphs & essay, precise writing, story writing & comprehension, letter writing, nurses notes and reports, anecdotal records, diary writing	14	CO2
3	Spoken English	Conversation – face to face and telephonic ,Oral report, Discussion and debate, Public speaking skills	10	CO3

Reference Books:

1. English for Nurses by Mallika Balu
2. English for Nurses for B.Sc. (N) & BSc (N) post Basic by Basic Liza Sharma
3. Remedial Grammar and Composition by Lohumi Shama
4. English for Nursing Students by S Premkumar

e-Learning Source:

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Course Articulation Matrix: (Mapping of COs with POs and PSOs)

PO-PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3
CO										
CO1	1	-	-	2	-	-	-	-	-	-
CO2	1	2	-	2	-	1	2	1	2	1
CO3	-	1	-	2	1	2	2	-	-	-

1-Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation

Attributes & SDGs

Course Code	Course Title	Attributes								SDGs No.
NRV 105	English	Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	Professional Ethics		
		√	√	√			√	√		3,4,5, 8,16

Name & Sign of Program Coordinator

Sign & Seal of HoD



Integral University, Lucknow

Effective from Session:2023-24

Course Code	CS 121	Title of the Course	Computer	L	T	P	C
Year	First	Semester	Non Semester	1	1	0	0
Pre-Requisite	None	Co-requisite	None				
Course Objectives	This course is designed to help students gain a basic understanding of uses of computers and its application in nursing.						

Course Outcomes

CO1	Describe the structure and purpose of computers and disc operating systems
CO2	Demonstrate skill in the use of MS office
CO3	Demonstrate skill in using multimedia
CO4	Demonstrate the use of internet and e-mail

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO
1	Introduction to computers and Disk operating system	Definition, Classification, Structure and parts of computer , Disk operating system – DOS and Windows all versions . Purposes , uses of computer is health care delivery system	5	CO1
2	Demonstration and use of MS Office	MS Word ,MS Excel with pictorial presentation ,MS Power Point ,MS Access ,MS Publisher Document.	15	CO2
3	Demonstration and use of multimedia	Types and uses , Data base creation, retrieval and report generation ,Computer aided teaching and testing.	5	CO3
4	Demonstration and Use of internet and e-mail	Accessing the website, Searching the internet for content , Accessing the email and communicating with the help of it. Use of internet communication programmes – Skype	10	CO4

CO2Reference Books:

1. "Computers in Nursing: Bridge to the Future" by Kathleen Mastrian and Dee McGonigle
2. "Health Informatics: Practical Guide for Healthcare and Information Technology Professionals" by Robert E. Hoyt and Ann K. Yoshihashi
3. "Introduction to Computers for Healthcare Professionals" by Irene Joos and Ramona Nelson
4. "The Nurse's Guide to Technology in Healthcare: A Primer for Nurses and Healthcare Professionals" by Ramona Nelson and Nancy Staggers

e-Learning Source:

<http://library.iul.ac.in/ELibrary.aspx>

<https://india.oup.com/>

<https://www.doabooks.org/>

Course Articulation Matrix: (Mapping of COs with POs and PSOs)

PO-PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3
CO										
CO1	-	-	-	3	-	-	-	-	-	-
CO2	-	-	-	2	-	-	-	-	-	-
CO3	-	-	2	3	-	-	-	2	2	3
CO4	-	-	-	3	-	-	-	-	-	-

1-Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation

Attributes & SDGs

Course Code	Course Title	Attributes							SDGs No.
NRY106	Computer	Employ-ability	Entrepreneurs hip	Skill Developme nt	Gender Equalit y	Environment & Sustainability	Huma n Value	Professional Ethics	
		√	√	√				√	4,5,8,9

Name & Sign of Program Coordinator					Sign & Seal of HoD				
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Integral University, Lucknow

Effective from Session: 2023-2024

Course Code	NRV 106	Title of the Course	Nursing Foundation Practical	L	T	P	C
Year	First	Semester	Non Semester	0	0	2	0
Pre-Requisite	None	Co-requisite	None				
Course Objectives	This course is designed to help the students to acquire knowledge, attitude and skills in techniques of nursing and practice them in clinical settings						

Course Outcomes

CO1	Performs admission and discharge procedure, prepares nursing care plan as per the nursing process format, communicates effectively with patient, families, and team members, and maintains effective human relations. Develops plan for patient teaching, prepares patient reports, and presents reports.
CO2	Monitors vital signs and performs health assessment of each body system.
CO3	Provides basic nursing care to pre and postoperative patients and performs procedures for the care of wounds.
CO4	Administers drugs
CO5	Provide care to dying and dead, counsel and support relatives.

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO
1	Hospital, Skill Admission and discharge	Hospital admission and discharge a) Admission: Prepare Unit for new patient, Prepare admission bed, Perform admission procedure, New patient, Transfer in, Prepare patient records b) Discharge/Transfer out, Gives discharge counseling, Perform discharge procedure (Planned discharge, LAMA and abscond, Referrals and transfers). Prepare records of discharge/ transfer, Dismantle, and disinfect unit and equipment after discharge/transfer Perform assessment: History taking, Nursing diagnosis, problem list, Prioritization, Goals & Expected Outcomes, selection of interventions, Write Nursing Care Plan, Gives care as per the plan Communication, Use verbal and non verbal communication techniques Prepare a plan for patient teaching session	176	CO1
2	Communication record and report vital sign	Change-of shifts reports, Transfer reports, incident reports etc., Present patient report, Measure, records and interpret alterations in body temperature, pulse, respiration and blood pressure, Health history taking , Perform assessment: General Body Systems, Use various methods of physical examination ,Inspection, Palpation, Percussion, Auscultation, Olfaction Identification of system, Wise deviations.	176	CO2
3	Use comfort devices Hygienic care oxygen administration	Prepare Patient's unit: Prepare beds: Open, closed, occupied, operation, amputation, Cardiac, fracture, burn, Divided, & Fowler's bed. Pain assessment and provision for comfort. Oral hygiene ,Baths and care of pressure points, Hair wash, Pediculosis treatment ,Oral / Entral, naso / Orogastric, gastrostomy and parenteral feeding, Naso-gastric tube insertion, suction and irrigation, Provide urinal / bed pan, Condom drainage ,Perineal care, Catheterization, Care of urinary drainage ,Insertion of Flatus tube, Enemas, Insertion of Suppository Range of motion exercise ,Positioning: Recumbent, Lateral, Fowlers, Sims, Lithotomy, Prone, Trendelenburg position, Assist patient in moving, lifting, transferring, walking, Restraints ,Mask Prongs Tent Catheters. Suctioning: oropharyngeal, nasopharyngeal, Chest physiotherapy and postural drainage, Care of Chest drainage, CPR- Basic life support Observation of Intravenous therapy Blood and blood component therapy Collect/assist for collection of specimens for investigations Urine, sputum, faeces, vomitus, blood and other body fluids Perform lab tests:	176	CO3

		Urine: sugar, albumin, acetone, Blood: sugar (with strip/ gluco-meter) Application of hot and cold therapies: Local and general, Dry and moist Communicating and assisting with self-care of visually & hearing impaired patients Communicating and assisting with self-care of mentally challenged/disturbed patients Recreational and diversional therapies Caring of patient with alteration in sensorium Infection control, Perform following procedures: Hand washing techniques, Simple, hand antisepsis and surgical antisepsis (scrub), Prepare isolation unit in lab/ ward. Practice technique of wearing and removing Personal protective equipment (PPE), Practice Standard safety precautions (Universal precautions) Decontamination of equipment and unit: Surgical asepsis: Sterilization, Handling sterilized equipment, Calculate strengths of solutions, Prepare solutions, Care of articles Pre and post-operative care: Skin preparations for surgery: Local -Preparation of Postoperative unit, Pre & post- operative teaching and counselling. Pre and post-operative monitoring, Care of the wound: Dressings of minor wounds, care of Drainage / Application of Binders, Splints& Slings , Bandaging of various body parts		
4	Administers drugs	Administration of medications: Administer Medications in different forms and routes -Oral, Sublingual and Buccal, Parenteral : Intradermal, subcutaneous, Intramuscular etc. Assist with Intravenous medications. Drug measurements and dose calculations, Preparation of lotions and solutions, Administer topical applications, Insertion of drug into body cavity: Suppository & medicated packing etc. Instillation of medicines into Ear, Eye, Nose and throat. Irrigations: Eye, Ear, bladder, Vagina and Rectum. Inhalations: dry and moist, Medicated/Nebulization , Identification of spurious drugs. Record date, time, medication, dose, route And sign immediately after administration	176	CO4
5	Care of dying patient	Provide care for the terminally ill, Caring and packing of dead Body, Counseling and supporting grieving relatives, Handing over the body & valuables, Transferring to mortuary with proper identification, Terminal care of the unit	176	CO5

Reference Books:

1. Fundamental of Nursing, A Procedure Manual by TNAI

2. Principles & Practice of Nursing, Nursing Arts Procedures by Sr. Nancy ,

3. Fundamentals of Nursing by Potter-Perry,

4. Fundamentals of Nursing, Theory, concepts & Applications, by Wilkinson Judith M.

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Course Articulation Matrix: (Mapping of COs with POs and PSOs)

PO-PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3
CO										
CO1	3	3	2	2	3	3	3	3	3	3
CO2	3	3	2	2	2	2	2	3	3	3
CO3	3	3	2	3	3	3	2	3	3	3

CO4	2	3	1	3	3	3	2	3	3	3
CO5	3	3	1	3	3	3	2	3	3	3

1-Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation
 Attributes & SDGs

Course Code	Course Title	Attributes							SD Gs No.
NRY106	Nursing Foundation Practical	Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	Professional Ethics	
		√	√	√	√	√	√	√	3,4, 5,8, 12,1 7

<div></div> <div>Name & Sign of Program Coordinator</div>	<div></div> <div>Sign & Seal of HoD</div>
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Integral University, Lucknow

Effective from Session: 2023-2024

Course Code		Title of the Course	Community Health Nursing-I- Practical	L	T	P	C
Year	First	Semester	Non Semester	0	0	2	0
Pre-Requisite	None	Co-requisite	None				
Course Objectives	In this course, students will learn to organize home visits and demonstrate bag techniques, fostering strong rapport with families while identifying community needs and making referrals. They will plan and conduct health education sessions, set up clinics, and maintain vital health records. Additionally, they will explore various community health organizations. Students will also assess family health across different age groups, evaluate environmental factors, and address nutritional needs through diverse food preparation methods.						

Course Outcomes

CO1	Organize home visit, prepare bag and demonstrate bag technique, build up and maintain rapport with family, identify needs of community, practice procedure, and make referrals.
CO2	Plan and conduct health education on identified health needs, set up clinics with the help of staff, and maintain records and reports while collecting and recording vital health statistics.
CO3	Learn about various organizations of community health importance.
CO4	Health Assessment family identifies the health needs of various age groups, assesses the environment, and maintains family folders.
CO5	Assessment nutritional needs, demonstrate different method of preparing food according to the nutritional need of family.

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO
1	Urban / rural	Organize home visit. Prepare bag, and demonstrate bag technique. Build up and maintain rapport with family. Identify needs of community. Practice procedure. Make referrals.	64	CO1
2	Urban / rural	Nutritional assessment of individuals. Provide care at home as per Standing Orders / protocol. Conduct health Education. Set up of different Clinics. Maintain Records & Reports. Practice family health nursing.	64	CO2
3	Urban / rural	Learn about various organizations of community health importance.	64	CO3
4	Urban / rural	Practice family health nursing. Health Assessment family. Identify the health needs of various age groups. Assess the environment. Maintain family folders.	64	CO4
5	Urban / rural	Assessment nutritional needs. Demonstrate different method of preparing food according to the nutritional need of family. Demonstrate different methods of preparation of Meals.	64	CO5

Reference Books:

1. "Textbook of Community Health Nursing" by Basavanthappa BT
2. "Community Health Nursing: A Global Perspective" by Judith Ann Allender, Cherie Rector, and Kristine Warner
3. "Textbook of Community Health Nursing" by I Clement
4. "Community Health Nursing: Principles and Practice" by Park K.

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	Course Articulation Matrix: (Mapping of COs with POs and PSOs)									
PO- PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3
CO										
CO1	2	3	-	2	2	3	2	2	3	2
CO2	2	3	2	2	2	2	2	3	3	3
CO3	3	2	1	2	2	3	2	2	2	3
CO4	2	3	2	3	2	3	2	3	3	3
CO5	2	3	1	2	2	3	2	2	3	2

1-Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation

Attributes & SDGs

Course Code	Course Title	Attributes							SD Gs No.
	Community Health Nursing-I- Practical	Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	Professional Ethics	1,2, 3,4, 5,8, 10,1 1,12 ,16, 17
		√	√	√	√	√	√	√	

Name & Sign of Program Coordinator					Sign & Seal of HoD				
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