



Integral University, Lucknow

Effective from Session:

Course Code	<u>NRY401</u>	Title of the Course	NURSING FOUNDATIONS	L	T	P	C
Year	1 st year	Semester	1 Year	2	1	0	3
Pre-Requisite		Co-requisite					
Course Objectives	The course is designed to assist students to acquire the knowledge of disorders in varieties of health care settings and at home. Identify Professional aspects, ethical aspects of Nursing Profession, the role of the Nurse in various levels of health services, Appreciate the significance of quality assurance in Nursing, current trends in health and Nursing.						

Course Outcomes

CO1	1. Students would be able to develop and understand development of nursing as a profession, philosophy, objectives, and responsibilities of a graduate nurse, expanded role of the nurse, professional organization and career planning, code of ethics
CO2	2. Students would be able to describe Theory of Nursing practice, Meta-paradigm of Nursing-characterized by four central concepts i.e. Nurse, person (client / patient), health and environment.
CO3	3. Students would explore and develop Nursing process, Assessment Tools, Teaching for planning care, types of care plans, organizations and implementation of care, records, Evaluation: Tools, process, types of evaluation.
CO4	4. Students would be able to develop Quality assurance: Nursing Standards, Nursing audit, total quality management, Role of council and professional bodies in maintenance of standards.
CO5	5. Students would be able to enhance the knowledge Primary health care concept: Community oriented Nursing, Holistic Nursing, Primary Nursing, Family oriented nursing concept, Problem oriented nursing, Progressive patient care, Team Nursing

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO
1	Development of Nursing as a Profession, code of ethics	<ul style="list-style-type: none"> Development of Nursing as a Profession: Its philosophy, Objectives and responsibilities of a graduate Nurse, Trends influencing Nursing Practice, Expanded role of the Nurse, Development of Nursing Education in India and trends in Nursing Education, Professional organization, career planning, Code of ethics & Professional conduct for Nurse, Ethical, legal and other issues in Nursing, Concept of health and illness, effects on the person, Stress and adaptation, Health care concept and Nursing care concept, Development concept, needs, roles and problems of the development stages of individual newborn, infant, toddler, pre-adolescent, adolescent, adulthood, middle age and old age. 	12	CO1
2	Theory of Nursing practice	<ul style="list-style-type: none"> Theory of Nursing practice, Meta-paradigm of Nursing-characterized by four central concepts i.e. Nurse, person (client / patient), health and environment. 	05	CO2
3	Nursing process	<ul style="list-style-type: none"> Nursing process.-Assessment: Tools for assessment, methods, recording, Planning: Teaching for planning care, types of care plans, Implementation: Different approaches to care, organizations and implementation of care, records, Evaluation: Tools for evaluation, process of evaluation, types of evaluation. 	10	CO3
4	Quality assurance, Nursing audit	<ul style="list-style-type: none"> Quality assurance: Nursing Standards, Nursing audit, total quality management, Role of council and professional bodies in maintenance of standards. 	08	CO4
5	Primary health care concept.	<ul style="list-style-type: none"> Primary health care concept, Community oriented Nursing, Holistic Nursing, Primary Nursing, Family oriented nursing concept, Problem oriented nursing, Progressive patient care Team Nursing. 	10	CO5

Reference Books:

1. Suman C. Kumar
2. I Clement 2nd edition

3.	Jogindra Vati
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	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO4	PSO5	PS
CO1	2	3	3	2	3	2	3	3	3	2	2	3	3	2	2	3	
CO2	3	2	3	2	2	3	2	3	3	2	3	2	2	2	3	2	
CO3	3	2	2	2	3	3	3	2	3	2	2	1	2	2	2	1	
CO4	3	2	3	3	2	2	2	2	3	2	3	1	3	2	3	1	
CO5	3	3	2	3	3	2	2	1	3	2	2	2	3	2	2	2	

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

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Name & Sign of Program Coordinator	Sign & Seal of HoD



Integral University, Lucknow

Effective from Session:							
Course Code	<u>NRY402</u>	Title of the Course	<u>NUTRITION AND DIETETICS</u>	L	T	P	C
Year	1 st year	Semester	1 Year	1	1	0	2
Pre-Requisite		Co-requisite					
Course Objectives	The course is designed to assists students to acquire the knowledge Patient's diet, nutritive values, diet for malnourished nutrition programmer with emphasis on clinical application to practice nursing.						

Course Outcomes	
CO1	6. Introduction to nutrition & dietetics- balanced diet ,factors to be considered in planning, guidelines available for planning, food hygiene, preparation & preservation, review of nutrients
CO2	7. Diet therapy-routine hospital duties, therapeutic diets- cardiovascular disease, gastrointestinal disease, renal disorder, an endocrine disorder, metabolic disorder etc.
CO3	8. Infant and child nutrition-feeding of normal infants, feeding of premature infants, supplementary feeding of infants weaning, psychology of infant and child feeding, feeding the sick child, deficiency states
CO4	9. Programme-feeding preschool child, school lunch programme, community nutrition ,nutritional needs for special groups infant, child, pregnant women
CO5	10. Common Problems- Nutrition for lactating women, and old people, substitute for non-vegetarian foods, methods of assessing nutritional foods, current nutritional problems

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO
1	<u>Introduction to nutrition and dietetics</u>	<ul style="list-style-type: none"> Introduction to nutrition and dietetics, balanced diet, factors to be considered in planning, food hygiene, food and its preservation and review of nutrients- micro and macro. balanced diet, factors to be considered in planning, guidelines available for planning, food hygiene, preparation & preservation, review of nutrients 	30	CO1
2	<u>Diet therapy-routine hospital duties, therapeutic diets</u>	<ul style="list-style-type: none"> Routine hospital duties, therapeutic diets- cardiovascular disease, gastrointestinal disease, renal disorder, an endocrine disorder, metabolic disorder etc Diet therapy-routine hospital duties, therapeutic diets- cardiovascular disease, gastrointestinal disease, renal disorder, an endocrine disorder, metabolic disorder etc. 	32	CO2
3	<u>INFANT AND CHILD NUTRITION</u>	<ul style="list-style-type: none"> Infant and child nutrition-feeding of normal infants, feeding of premature infants, supplementary feeding of infants weaning, psychology of infant and child feeding, feeding the sick child, deficiency states. 	20	CO3
4	<u>PROGRAMME FEEDING</u>	<ul style="list-style-type: none"> Programme-feeding preschool child, school lunch programme, community nutrition ,nutritional needs for special groups infant, child, pregnant women. 	20	CO4
5	<u>NUTRITION FOR LACTATING WOMEN</u>	<ul style="list-style-type: none"> Nutrition for lactating women, and old people, substitute for non-vegetarian foods, methods of assessing nutritional foods, current nutritional problems 	18	CO5

Reference Books:

4. Textbook On Nutrition And Dietetics Jaypee Brothers
5. Advanced Text Book On Food & Nutrition - Volume I By Dr. M Swaminathan (Author)
6. Textbook Of Nutrition & Dietetics I Clement
7. A Comprehensive Textbook Of Nutrition And Therapeutic Diets By Darshan Soni

e-Learning Source:
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CO1	3	2	2	3	3	2	3	2	3	2	2	2	3	2	3	2	2	1
CO2	3	2	3	2	2	3	3	2	3	3	2	2	2	2	3	2	3	3
CO3	3	2	2	3	3	3	2	2	2	3	1	3	2	2	2	3	3	2
CO4	3	2	3	2	2	2	2	2	2	2	2	2	2	3	3	2	3	2
CO5	3	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	2	2

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:

Course Code	<u>NR403</u>	Title of the Course	<u>BIOCHEMISTRY & BIOPHYSICS</u>	L	T	P	C
Year	1ST YEAR	Semester	1 ST YEAR	2	1	0	3
Pre-Requisite		Co-requisite					
Course Objectives	The course will help the students to develop an understanding of the philosophy, objectives and responsibilities of nursing as a profession. The purpose of the course is to orient to the current concepts involved in the practices of Nursing and developments in the Nursing Profession.						

Course Outcomes

CO1	11. Student would be able to describe importance of biochemistry in nursing, cell and there division & diagnostic application.
CO2	12. Student would be able to explain about carbohydrate, mitochondrial oxidation, protein, biosynthesis of fat GTTetc.
CO3	13. Student would be able to describe concept of units & measurement, gravitational force , transformation of energy, application of heat
CO4	14. Student would be able to explain about light & laws of reflection, biological effect of light, pressure, and measurement of pressure in the body.
CO5	15. Student would be able to describe about electricity , flow of electricity ,ECG EEG ,EMG, pace maker & defeb

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO
1	Introduction of biochemistry in nursing	<ul style="list-style-type: none"> Introduction: Importance of Biochemistry in Nursing, Study of cell and its various Components. Water and Electrolytes: Water – Sources, property & functions in human body, Water and fluid balance, Electrolytes of human body, functions, sources., Enzymes ,Mechanism of action ,Factors affecting enzyme activity ,Diagnostic applications , Precautions for handling specimen for enzyme estimation, Digestion and absorption of carbohydrates, proteins and fats, Various factors influencing the digestion and absorption, mal-absorption syndrome. 	12	CO1
2	carbohydrates & catabolism of carbohydrates of energy purpose	Carbohydrates: Catabolism of carbohydrates of energy purpose, Mitochondrial oxidation and oxidation phosphorylation. Fats of glucose in the body. Storage of glucose in the body, glycogenesis, glycogenolysis, and neoglucogenesis, blood glucose and its relgulation., Glucose tolerance test, hyperglycemia, glycaemia. ,Protein: Amino Acids, hormones., Essential amino acids: Biosynthesis of protein in the cells., Role of nucleic acid in protein synthesis, Nitrogenous constituents of urine, blood, their origin – urea cycle, uric acid formation, gout, Plasma proteins and their functions, Fat: Biosynthesis of fats and storage of fats in the body, Role of liver in fat metabolism, Biological importance of important lipids and their function, Cholesterol and lipoprotein, Sources, occurrence and distribution., Blood level and metabolism, Ketone bodies and utilization,Inter relationship in metabolism and cellular control of metabolic processes.	18	CO2
3	concept of units & measurement	Introduction: Concepts of unit and measurements, Fundamental and derived units, Units of length, weight, mass, time, Vector and scalar motion, speed, velocity and acceleration, Gravity: specific gravity, center of gravity, principles of gravity, Effect of gravitational forces on human body, Application of principles of gravity in Nursing, Force, work, energy: their units of measurement, Type and transformation of energy, forces of body, static forces, Principles of machines, friction and body mechanics, Simple mechanics – lever and body mechanics, pulley and traction, incline plane,	10	CO3

		screw, Application of these principles in Nursing. ,Heat: Nature, measurement, transfer of heat, Effects of heat on matter, Relative humidity, specific heat, Temperature scales, Regulation of body temperature, Use of heat for sterilization, Application of these principles in Nursing.		
4	Light & law of reflection	<ul style="list-style-type: none"> Light: Laws of reflection, Focusing elements of the eye, defective vision and correction, use of lenses, Relationship between energy, frequency and wavelength of light, Biological effects of light, Use of light in therapy, Application of these principles in Nursing, Pressure: Atmospheric pressure, hydrostatic pressure, osmotic pressure, Measurements of pressures in the body, Arterial and venous blood pressures, Ocular pressure, Intracranial pressure, Application of these principles in Nursing, Sound: Frequency, velocity and intensity, Vocalization and hearing, Use of ultrasound. Noise pollution and its prevention, Application of these principles in Nursing. 	10	CO4
5	Electricity & electromagnetism	<ul style="list-style-type: none"> Electricity and electromagnetism: Nature of electricity, voltage, current, resistance and their units, Flow of electricity in solids, electrolytes, gases and vacuum, Electricity and human body, ECG, EEG, EMG, ECT, Pace makers and defibrillation, Magnetism and electricity, M.R.I. scanning, C.A.T. scan, Atomic energy: Structure of atom, isotopes and isobars, Radioactivity: Use of radioactivity isotopes, Radiation protection units and limits, instruments used for detection of ionizing radiation. X Ray, Principles of electronics: Common electronic equipment used in patient care. 	10	CO5

Reference Books:

8. Clement 4th edition
9. Textbook of biochemistry for nurses 2nd edition
10. Biochemistry & biophysics for nurses 3rd edition

e-Learning Source:

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

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

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Course Articulation Matrix: (Mapping of COs with POs and PSOs)																	
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CO1	2	3	3	3	3	2	3	3	3	2	2	2	3	2	3	2	
CO2	3	3	3	2	3	3	2	3	3	3	2	2	2	1	3	3	
CO3	3	3	2	2	3	3	3	2	2	3	1	3	2	2	1	1	
CO4	3	2	3	3	2	2	2	2	2	2	2	2	2	3	3	2	
CO5	3	2	2	3	2	2	2	2	2	2	2	2	2	3	3	3	

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:						
Course Code	NR404	Title of the Course	Psychology	L	T	P
Year	1 Year	Semester	1 Year	3	1	0
Pre-Requisite		Co-requisite				
Course Objectives	This course is designed to reorient and widen the student's knowledge of fundamentals of psychology. The student is offered an opportunity to apply the theoretical concepts in the clinical setting and thereby understand the psycho-dynamics of patient behaviors. This course would also help the student to develop an insight into her own behavior.					

Course Outcomes	
CO1	16. Appreciate the role of psychology in nursing care
CO2	17. Focus on sickness, personality and psychological aspect of nursing.
CO3	18. Focus on sickness, personality and psychological aspect of nursing.
CO4	19. Focused on learning ,its uses and implication in nursing care.and to understand the learning process of a patient
CO5	20. Role of attitude in health and sickness.concepts of mental hygiene and mental health

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO
1	<u>INTRODUCTION OF PSYCHOLOGY</u>	<ul style="list-style-type: none"> Definition of psychology, scope and methods of psychology, Relationship with other subject, Sensation, Attention and perception: Definitions, Sensory processes: normal and abnormal, Attention and distraction: Contributory factors, Characteristics of perception, perception: normal and abnormal, Motivation: Definition and nature of motivation, Biological and social motives, Frustration and conflict, Self-actualization 	10	CO1
2	<u>EMOTION, PERSONALITY, PSYCHOLOGICAL ASPECT OF NURSING</u>	<ul style="list-style-type: none"> Definition of emotion, expression and perception, Emotions in sickness, Personality: Definition, constituents of personality, Personality in sickness and nursing, Psychological aspects of nursing, Behavioral and sickness. Psychological needs of, Child and adolescents, Adult, Aged, Attendants, Chronically ill individual. 	14	CO2
3	<u>INDIVIDUAL DIFFERENCES, SIGNIFICANCE OF INDIVIDUAL DIFFERENCES</u>	<ul style="list-style-type: none"> Individual differences, Significance of individual differences, Heredity and environment, Role of individual differences both in health and sickness, Implications of individual differences in nursing, Intelligence and abilities: Definition, Intelligence and abilities during sickness, Measurement of intelligence and abilities 	12	CO3
4	<u>LEARNING, MEMORY</u>	<ul style="list-style-type: none"> Definition, conditions of learning, Laws of learning, Learning during 	12	CO4

		health and sickness, <ul style="list-style-type: none"> Memory and forgetting: Definition and nature of memory, Memory during health and sickness, Forgetting during health and sickness. 		
5	<u>ATTITUDE, DEFENCE MECHANISM</u>	<ul style="list-style-type: none"> Definition, development and modification, Role of attitudes in health and sickness, Concept of mental hygiene & mental health, Characteristics of a mentally healthy person, Defense mechanism. 	12	CO5

Reference Books:

11. Jacob Anthikad

12. R.Sreeevani

13. I.Clement

14. Parvesh Saini

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PO-PSO-CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO4	PSO5	PSO6	PSO7
CO1	1	2	3	2	2	2	3	2	2	2	2	2	3	2	3	2	2	1
CO2	1	2	2	2	3	1	2	2	3	3	2	2	2	1	2	2	3	3
CO3	1	3	2	2	2	1	1	2	2	3	1	3	2	2	1	1	1	2
CO4	1	2	1	2	2	2	2	2	2	2	2	2	2	3	3	2	2	2
CO5	1	3	2	2	2	2	2	2	2	2	2	2	2	3	3	3	2	2

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:

Course Code	<u>NR405</u>	Title of the Course	<u>MICROBIOLOGY</u>	L	T	P	C
Year	1ST YEAR	Semester	1 ST YEAR	2	1	0	3
Pre-Requisite		Co-requisite					
Course Objectives	The course is designed to assists students to acquire the knowledge of the importance of microbiology in nursing, Structure and function of microbes, identification of micro-organism.						

Course Outcomes

CO1	21. Students would able to state the structure and function of microbes, identification of micro-organism, Morphological types, size and form of bacteria, motility, classification of micro-organism, discuss of laboratory methods, diagnosis of bacterial disease.
CO2	22. Students would able to know Growth and nutrition of microbes, destruction of micro-organism, Temperature, moisture, blood, sterilization and disinfection, chemotherapy and antibiotics, effects of heat and cold, hospital infection control procedure & role of nurse.
CO3	23. Students would able to describe the Disease producing micro-organism, pathogenic fungi, Gram positive bacilli, tuberculosis and leprosy, anaerobes, cocci, spirochete, Rickettsia, Dermatophytes, systemic mycotic infection, laboratory diagnosis of mycolic infection
CO4	24. Students would able to describe the Immunity, parasites and vectors, Immunity and hypersensitivity, antigen and antibody reaction, immunization in disease, characteristic and classification of parasites, protozoal infection including amoebiasis, helminthes infection, diagnosis of parasitic infection, vectors and diseases transmitted by them.
CO5	25. Students would able to explain the Viruses, micro-organism, Classification and general character of virus, diseases caused by viruses in man and animal and their control, micro-organism transmitted through food, food poisoning, food born infection.

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO
1	Structure and function of microbes, identification of micro-organism	<ul style="list-style-type: none"> Morphological types, size and form of bacteria, motility, classification of micro-organism, discuss of laboratory methods, diagnosis of bacterial disease. 	10	CO1
2	Growth and nutrition of microbes, destruction of micro-organism	Temperature, moisture, blood, sterilization and disinfection, chemotherapy and antibiotics, effects of heat and cold, hospital infection control procedure & role of nurse	10	CO2
3	Disease producing micro-organism, pathogenic fungi	Gram positive bacilli, tuberculosis and leprosy, anaerobes, cocci, spirochaete, Rickettsiae, Dermatophytes, systemic mycotic infection, laboratory diagnosis of mycotic infection.	14	CO3
4	Immunity, parasites and vectors	<ul style="list-style-type: none"> Immunity and hypersensitivity, antigen and antibody reaction, immunization in disease, characteristic and classification of parasites, protozoal infection including amoebiasis, helminthes infection, diagnosis of parasitic infection, vectors and diseases transmitted by them. 	12	CO4
5	Viruses, micro-organism	<ul style="list-style-type: none"> Classification and general character of viruss, diseases caused by viruses in man and animal and their control, micro-organism transmitted through food, food poisoning, food born infection 	14	CO5

Reference Books:

15. Rajesh Bhatiya 2nd edition
16. D.R. Arora, Brij Bala Arora
17. Dr. C.P Baveja 6th edition

18. Paniker's 2nd edition

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	Course Articulation Matrix: (Mapping of COs with POs and PSOs)																
PO- PSO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO4	PSO5	PSO6
CO1	3	2	2	3	2	2	3	2	3	2	2	2	3	2	3	2	
CO2	2	3	1	2	3	1	3	2	3	3	2	2	2	1	3	3	
CO3	3	2	2	2	2	1	1	2	2	3	1	3	2	2	1	1	
CO4	1	2	3	1	2	2	2	2	2	2	2	2	2	3	3	2	
CO5	2	2	2	3	2	2	2	2	2	2	2	2	2	3	3	3	

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

Name & Sign of Program Coordinator

Sign & Seal of HoD



Integral University, Lucknow

Effective from Session:

Course Code	<u>NRY406</u>	Title of the Course	<u>MATERNAL NURSING</u>	L	T	P	C
Year	1 Year	Semester	1 Year	3	1	0	4
Pre-Requisite		Co-requisite					
Course Objectives	This course is designed to widen the student's knowledge of obstetrics during pregnancy, labour and puerperium. It also helps to acquire knowledge and develop skill in rendering optimum Nursing care to a child bearing mother in a hospital or community and help in the management of common gynecological problems.						

Course Outcomes

CO1	26. Describe the Physiology of pregnancy, labour and puerperium and Manage normal pregnancy, labour and puerperium
CO2	27. Explain the Physiology of lactation and advice on management of breast feeding, skilled in providing pre and post operative Nursingcare in obstetric conditions
CO3	28. Identify and manage high risk pregnancy including appropriate referrals
CO4	29. Propagate the concept and motivate acceptance of family planning methods.
CO5	30. Teach, guide and supervise auxiliary midwifery personnel.

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO
1	Introduction and historical review	<ul style="list-style-type: none"> Introduction and historical review. • Planned Parenthood. • Maternal morbidity and mortality rates. • Legislations related to maternity benefits, MTP acts, incentives for family planning 	10	CO1
2	Review of the Anatomy and Physiology of female reproductive system,	<ul style="list-style-type: none"> Female pelvis (normal and contracted). • Review of Foetal development. • Physiology and management of pregnancy, labour and puerperium. • Signs and symptoms and diagnosis of pregnancy. • Antenatal care. • Pregnant woman with HIV/ AIDS. • Management of common Gynaecological problems 	10	CO2
3	New born	<ul style="list-style-type: none"> Care of the baby at birth including resuscitation. • Essential newborn care: • Feeding • Jaundice and infection • Small & large for date babies. • Intensive care of the new born • Trauma and hemorrhage. 	10	CO3
4	Management of abnormal pregnancy, labour and puerperium	<ul style="list-style-type: none"> Abortion, ectopic pregnancy and vesicular mole. • Pregnancy induced hypertension, gestational diabetes, anaemia, heart disease. • Urinary infection, Antepartum haemorrhage. • Abnormal labour (malposition & malpresentation): • Uterine inertia • Disorders of puerperium • Management of engorged breast, cracked nipples, breast abscess and mastitis • Puerperal sepsis • Post partum haemorrhage • Inversion and prolapsed of uterus, obstetrical emergencies • Obstetrical operation i.e. forceps, vacuum, episiotomy, caesarean section 	15	CO4
5	Drugs in obstetrics, National Welfare Programmes for Women	<ul style="list-style-type: none"> Effects of drugs during pregnancy, labour and puerperium on mother & baby, National Welfare Programmes for Women. • National Family Welfare Programme. • Infertile Family. • Problems 	15	CO5

		associated with unwanted pregnancy. • Unwed mothers.		
Reference Books:				
19.	Ashalatha PR , DeepanG “Textbook of anatomy & physiology for nurses			
20.	DC DUTTA			
21.	ANAMMA JACOB			
22.	PREETI AGARWAL			
e-Learning Source:				
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CO1	3	3	3	1	1	3	3	3	3	3	2	2	3	3	3	2	
CO2	3	3	3	3	2	3	2	3	3	3	2	2	2	2	2	2	
CO3	3	3	3	2	2	1	3	3	3	3	2	1	2	2	2	1	
CO4	2	3	3	2	1	3	2	3	3	3	2	2	2	3	3	2	
CO5	3	2	2	2	3	1	2	2	3	2	2	2	3	3	3	3	

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:

Course Code	<u>NRY407</u>	Title of the Course	CHILD HEALTH NURSING	L	T	P	C
Year	1st year	Semester	1 Year	2	1	0	3
Pre-Requisite		Co-requisite					
Course Objectives	The course is designed to assist students to acquire the knowledge of the disease, early detection, prevention and treatment with emphasis on clinical application to practice nursing.						

Course Outcomes

CO1	31. Students would be able to explain the modern concept of child care and principles of child health nursing, National policy and national programme, child mortality and morbidity rates, care of hospitalized child.
CO2	32. Students would be able to describe the normal growth and development of children at different ages with their needs, play Therapy.
CO3	33. Students would be able to provide care to normal and high risk neonate, performed neonatal resuscitation, recognize and manage common neonatal problems and Integrated management of neonatal and childhood illness
CO4	34. Students would be able to provide nursing care in common childhood Identify measures to prevent common childhood diseases including immunization.
CO5	35. Students would be able to understand the management of mentally, physically and socially challenged children.

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO
1	Introduction: Modern concept of child care	<ul style="list-style-type: none"> Introduction, Modern concept of child care, 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, Differences between an adult and child, Hospital environment for a sick child, The role of pediatric nurse in caring for a hospitalized child, Principles of pre and post-operative care of infants and children & Pediatric nursing procedures. 	12	CO1
2	The Healthy Child	<ul style="list-style-type: none"> The healthy child, 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, supplementary / artificial feeding and weaning, Accidents, causes and prevention. Value of play selection of play material & Preventive immunization. 	15	CO2
3	Nursing Care of Neonate	<ul style="list-style-type: none"> Nursing care of a neonate, Nursing care of a normal newborn, Neonatal resuscitation, Nursing management of a low birth weight baby, Nursing management of common neonatal disorders & Organization of neonatal unit. Preventive of infections in the nursery 	08	CO3
4	Nursing Management in Common Childhood Diseases	<ul style="list-style-type: none"> Nursing management in common childhood disease, Nutritional deficiency disorders, Respiratory disorders and infections, Gastrointestinal infections, infestations and congenital disorders, Cardio vascular problem-congenital defects and rheumatic fever, Genito-urinary disorder – nephrotic syndrome, wilms, tumor, infection and congenital disorders, Neurological infections and disorders-convulsions, epilepsy, meningitis, hydrocephalus, spina bifida, Hematological disorders – anemias, thalassemia, ITP, leukemia, hemophilia, Endocrine disorders – Juvenile Diabetes Mellitus, Orthopedic disorders – club foot, hip dislocation and fracture, Disorders of skin eye and ear, Common communicable diseases in children, their identification, nursing management in hospital and home and prevention & Pediatric emergencies – poisoning, foreign bodies, hemorrhage, burns and drowning. 	20	CO4
5	Management of behavioral	<ul style="list-style-type: none"> Management of behavioral disorders in children, Management of challenged children, Mentally challenged, Physically challenged & 	05	CO5

	disorders in children	Socially challenge		
Reference Books:				
23.	O.P. Ghai, A textbook of essential of Pediatrics, 6 th ed. (CHN)			
24.	Rimple sharma ,Essential of pediatrics nursing 2 nd ed. CHN			
25.	Parul data, pediatric nursing, 3 rd ed. (CHN)			
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	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO4	PSO5	PSO6
CO1	1	2	2	2	2	2	2	2	1	3	2	1	1	1	1	1	
CO2	2	1	2	2	2	1	2	2	1	2	1	3	2	2	1	2	
CO3	2	2	2	2	3	3	3	2	1	1	2	2	1	1	2	1	
CO4	2	1	3	2	2	2	2	2	2	1	2	2	3	1	1	1	
CO5	2	2	2	3	2	2	2	1	2	1	2	2	3	2	1	2	

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:

Course Code	NRY408	Title of the Course	Medical surgical nursing	L	T	P	C
Year	1 Year	Semester	1 Year	2	1	0	3
Pre-Requisite		Co-requisite					
Course Objectives	The course is designed to assists students to acquire the knowledge and develop proficiency in caring for patients with medical surgical problems,pathophysiology in medical surgical in nsg disorder and nursing management						

Course Outcomes

CO1	1. Students would able to introduction to medical surgical nursing, review of concept of comprehensive nursing care in Insuring manage meant of pt. with specific problems, fluid &electrolyte ill pt undergoing illness. Nursing management of pt. with neuro logical and tumors of brain and spinal cord ,degenerative disease.
CO2	2. Students would analyze to Nursing management of pt with cardiovascular problems ,nursing management of pt with respiratory problems, nursing management of pt with genito urinary problems.
CO3	3. Students would explore to*nursing management of pt with problems of the digestive system. *Nursing management of pt with endo crine problems. *nursing management of pt with musculoskeletal problems.
CO4	4. Students would able to develop the Nursing management of pt with disorder of female reproductive tract.*Nursing management of pt with oncologic disorder s*nursing management nursing management of pt with burns*nursing management of pt with common communicable disease &STDs
CO5	5. Students would able to enhance the knowledge Nursing management of pt with disease eye ,ear,nose,throat &skin .*Nursing management of pt with blood disorders *nursing emergencies.

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO
1	: introduction,Neuro logical disorders	<ul style="list-style-type: none"> Introduction of medical surgical nursing,function of nurse in out patientdepartment,fluid&electrolyte,acute illness,pain, unconciouss, nursing managmentof patient with neurological disorderlike thatEpilepsy,CVA,Tumor of brain disorders,spinal cord,congenital malformation. 	20	CO1
2	Cardio vascular,Respira tory disorder,Genito-urinary problem	<ul style="list-style-type: none"> Ischemic heart disease, Cardiac arrhythmias, Congestive heart failure, shock (all type of shock),Endocarditis, peripheral vascular disorder,Bronchitis,Asthma,COPD,Pneumonia,Lung abscess,tumors &cyst, pulmonary embolism,ARF,CRF,Renal calculs,nephritis 	12	CO2
3	Digestive system,Endocrin e problems,muscu loskeletal problems	<ul style="list-style-type: none"> GI bleeding ,peptic ulcer, hepatitis, pancreatitis, tumors, hernia, hemorrhoids ,cirrhosis of liver, portal htn,Dibetes mellitus, Adrenal tumor, pituitary disorder Diabetes insipidus, thyroid disorder,Osteomyelitis,fracture,prolapsed disc,tumor,amputation,prosthesis&rehabilitation 	18	CO3
4	female reproductive system,oncologi c disorderburns	<ul style="list-style-type: none"> Disorder of menstruation, oncologic disorders,RVF,VVFClimatric changes with problem,chemotheraphy,radiotheraphypreventive measures,burns,reconstructive surgery 	20	CO4
5	communicable disorder,ENTDis orderblood	<ul style="list-style-type: none"> Nursing management of ptwith communicable disease&STD;S,ENT Disorder, Blood disorder,purpura,hemophilia,blood 	20	CO5

	disorderNursing emergencies	transfusion,leukemia,phlebotomy		
Reference Books:				
26.	Brunnersuddarth,medical surgical nsg			
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	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO4	PSO5	PSO6
CO1	3	2	2	3	3	2	1	2	3	2	2	2	3	2	3	3	
CO2	2	3	1	2	2	3	2	3	3	2	3	2	2	2	2	2	
CO3	3	2	2	2	3	3	3	2	1	1	2	1	2	2	2	2	
CO4	1	2	3	1	3	2	2	2	3	2	3	1	3	3	3	2	
CO5	2	2	2	3	2	1	3	1	2	1	2	2	3	3	3	3	

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:							
Course Code	<u>NR409</u>	Title of the Course	<u>ENGLISH</u>	L	T	P	C
Year	1 Year	Semester	1 Year	2	1	0	3
Pre-Requisite		Co-requisite					
Course Objectives	The course is designed to assists students to acquire the knowledge of course is designed to help the students understand and use skills of English language required for their professional work.						

Course Outcomes	
CO1	36. Students would be able to state the remedial study of Grammar. Review of grammar, vocabulary and effective use of dictionary. Prepare task oriented seminars. Symposia and panel discussion.
CO2	37. Students would be able to know the ability to understand selected passage and express meaning in one's own words. Reading and comprehension of the prescribed books.
CO3	38. Students would be able to describe the study of various forms of composition: Note taking, Diary, Nurse notes, Anecdotal records.
CO4	39. Students would be able to describe the writing of summary. Nurse's reports on health problems. The student will submit one sample of each item from his/her own practical experience
CO5	40. Students would be able to explain Verbal communication. Oral reports, Summarizing of the discussion, Debate, Listening comprehension – film, cassette and radio.

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO
1	Remedial study of Grammar	<ul style="list-style-type: none"> Review of grammar, vocabulary and effective use of dictionary. Prepare task oriented seminars. Symposia and panel discussion. 	10	CO1
2	Passage and express meaning in one's own words.	<ul style="list-style-type: none"> The ability to understand selected passage and express meaning in one's own words. Reading and comprehension of the prescribed books. 	14	CO2
3	The study of various forms of composition	<ul style="list-style-type: none"> The study of various forms of composition: Note taking, Diary, Nurse notes, Anecdotal records. 	12	CO3
4	Writing of summary	<ul style="list-style-type: none"> Writing of summary. Nurse's reports on health problems. The student will submit one sample of each item from his/her own practical experience. 	12	CO4
5	Verbal communication	<ul style="list-style-type: none"> Verbal communication. Oral reports. Summarizing of the discussion. Debate. Listening comprehension – film, cassette and radio. 	12	CO5

Reference Books:	
27.	S.Premkumar Jaypee brothers
28.	Selva Rose 2 nd edition
29.	B.Reddy Prasad 2020 edition
30.	Shama Lohumi, Rakesh Lohumi 2 nd edition

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	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO4	PSO5	PSO6
CO1	3	2	2	3	3	2	1	2	3	2	2	2	3	2	3	3	
CO2	2	3	1	2	2	3	2	3	3	2	3	2	2	2	2	2	
CO3	3	2	2	2	3	3	3	2	1	1	2	1	2	2	2	2	
CO4	1	2	3	1	3	2	2	2	3	2	3	1	3	3	3	2	
CO5	2	2	2	3	2	1	3	1	2	1	2	2	3	3	3	3	

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

<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: 2022-23							
Course Code	NRY410	Title of the Course	Medical surgical Nursing	L	T	P	C
Year	1 st Year	Semester	1 st year	2	1	2	5
Pre-Requisite		Co-requisite					
Course Objectives	The course is designed to assists students to acquire the knowledge and develop proficiency in caring for patients with medical surgical problems, pathophysiology in medical surgical in nursing disorder and nursing management						

Course Outcomes	
CO1	1. Students should be rotated in the selected medical & surgical areas, like Cardio Thoracic, Neurology, Urology, Orthopedics, Genecology, Oncology, Burns and Reconstructive surgical units.
CO2	1. The students should be given patent assignment. They have practices patient centered comprehensive nursing.
CO3	2. Each student is requested to give planned health teachings, conduct clinical teaching, case presentation and drug study.
CO4	2. Follow nursing process in providing care to the patient.

Unit No.	Title of the Unit	Content of Experiment	Contact Hrs.	Mappe d CO
1.	Introduction of all departments	<ul style="list-style-type: none"> - Taking history - Physical assessment of patients. - Write at least two nursing care studies and do a presentation. 	67	2
2.	Nursing care	<ul style="list-style-type: none"> - CPR - Assignments - Back care - catheterization 	67	3
3.	Nursing management in common diseases	Give two planned health teachings, one in hospital and one in OPD /health centre <ul style="list-style-type: none"> - Drug study. 3. Stem inhalation. 4. Management of COPD. 	67	2
4.	Nursing care of neonate	Calculation of dosage of drugs and administration of medications and injections 5. Collection of specimens. 6. Enema, bowel wash, colostomy irrigation. 7. Steam and oxygen inhalation. 8. Preparation to assist with diagnostic tests and operation.	67	2

Reference Books:	
1.	Brunnersuddarth,medical surgical nsg
2.	BP Baswanthapa
3.	Totora
4.	Preeti agarwal

e-Learning Source:

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

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

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

PO- PSO CO	Course Articulation Matrix: (Mapping of COs with POs and PSOs)															
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4
CO1	2	2	3	3	3	2	3	3	1	3	2	1	3	2	1	2
CO2	3	1	2	2	3	3	2	2	3	2	1	3	2	2	2	2
CO3	2	2	2	2	3	3	3	2	2	3	2	2	3	2	2	3
CO4	2	1	3	2	2	2	2	2	2	3	2	2	3	3	3	2

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

Name & Sign of Program Coordinator

Sign & Seal of HoD



Integral University, Lucknow

Effective from Session: 2022-23							
Course Code	NRY411	Title of the Course	Maternal Nursing	L	T	P	C
Year	1 st Year	Semester	1 st year	2	1	2	5
Pre-Requisite		Co-requisite					
Course Objectives	This course is designed to widen the student's knowledge of obstetrics during pregnancy, labour and puerperium. It also helps to acquire knowledge and develop skill in rendering optimum Nursing care to a child bearing mother in a hospital or community and help in the management of common gynecological problems.						

Course Outcomes	
CO1	9. Be posted in antenatal clinic, MCH clinic, antenatal ward, labour room, postnatal ward, maternity OT, MTP room.
CO2	10. Antenatal & postnatal examination, per vaginal exam.
CO3	11. Conduct normal delivery, stitching of episiotomy, (for male candidate minimum conduct of 5 deliveries).
CO4	12. Motivate family for Planned Parenthood, Assist in various diagnosis and therapeutic procedures including IUD insertion and removal

Unit No.	Title of the Unit	Content of Experiment	Contact Hrs.	Mappe d CO
5.	Introduction of Antenatal, intranatal, postnatal	<ul style="list-style-type: none"> - Taking history of antenatal mothers - History taking in postnatal mothers - Write at least two nursing care studies and do a presentation. - D& E - Post abortion care - Pregnancy test 	60	3
6.	Antenatal Examinations	<ul style="list-style-type: none"> - Antenatal examination, - Postnatal examination - Pervaginal examination 	60	3
7.	Normal delivery and new born care	<ul style="list-style-type: none"> -Normal vaginal delivery -Episiotomy stitches -Wound care -Newborn resuscitation -Newborn care -Episiotomy care 	60	3
8.	Family planning	<ul style="list-style-type: none"> IUCD insertion IUCD removal Family planning methods 	60	3

Reference Books:

5. Ashalatha PR , DeepanG "Textbook of anatomy & physiology for nurses

6. ANAMMA JACOB
7. Preeti agawral
8. DC Dutta
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 CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4
CO1	3	2	3	3	3	2	3	3	1	3	2	1	3	2	3	2
CO2	3	3	3	2	2	1	2	3	3	2	1	3	2	2	2	2
CO3	3	2	2	2	3	3	3	2	3	3	2	2	3	3	1	3
CO4	3	3	3	2	2	2	2	2	2	3	2	2	3	3	3	2

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: 2022-23

Course Code	NRY412	Title of the Course	Child Health Nursing	L	T	P	C
Year	1 st Year	Semester	1 st year	2	1	2	5
Pre-Requisite		Co-requisite					
Course Objectives	The course is designed to assist students to acquire the knowledge of the disease, early detection, prevention and treatment with emphasis on clinical application to practice nursing.						

Course Outcomes

CO1	13. Be posted in pediatric medical and surgical wards, OPD in hospital, health centre and neonatal units.
CO2	14. Visit a centre for handicapped children and child welfare centre and write observation report.
CO3	15. Write an observational study of normal children of various age groups in home/nursery school/crèche.
CO4	16. Follow nursing process in providing care to 3-6 children

Unit No.	Title of the Unit	Content of Experiment	Contact Hrs.	Mappe d CO
9.	Introduction of child care	<ul style="list-style-type: none"> - Taking pediatric history - Physical assessment of children - Write at least two nursing care studies and do a presentation. 	60	1
10.	The healthy child	<ul style="list-style-type: none"> - Baby bath - Feeding - Restraining 	60	3
11.	Nursing management in common diseases	Give two planned health teachings, one in hospital and one in OPD /health centre 17. Neonatal resuscitation. 18. Care of a baby in incubator. 19. Photo therapy. Assist in exchange transfusion and other therapeutic procedures	60	3
12.	Nursing care of neonate	Calculation of dosage of drugs and administration of medications and injections 20. Collection of specimens. 21. Enema, bowel wash, colostomy irrigation. 22. Steam and oxygen inhalation. 23. Preparation to assist with diagnostic tests and operation.	60	3

Reference Books:

1. O.P. Ghai, A textbook of essential of Pediatrics, 6th ed. (CHN)
10. A.K. data, advances in pediatric, 2nd ed. (CHN)
11. Parul data, pediatric nursing, 3rd ed. (CHN)
12. Marlow's textbook of pediatric nursing, south-Asian ed.(CHN)

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	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4
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CO																
CO1	1	2	3	3	3	2	3	3	1	3	2	1	3	2	3	2
CO2	3	1	3	2	2	1	2	3	3	2	1	3	2	2	2	2
CO3	3	2	2	2	3	3	3	2	3	3	2	2	3	2	1	2
CO4	3	1	3	2	2	2	2	2	2	3	2	2	3	3	3	2

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

Effective from Session: 2022-23

Course Code	NRY413	Title of the Course	Clinical posting	L	T	P	C
Year	1 st Year	Semester	1 st year			5	
Pre-Requisite		Co-requisite					
Course Objectives	This Clinical posting is designed to widen the student's knowledge and skills related to practical. It also helps to acquire knowledge and develop skill in rendering optimum Nursing care to a child bearing mother in a hospital or community and help in the management of common health problems in community.						

Course Outcomes	
CO1	24. Be posted in General ward, OPD,OT.
CO2	25. Be posted in antenatal clinic, MCH clinic, antenatal ward, labour room, postnatal ward, maternity OT, MTP room.
CO3	26. Be posted in ICU, CCU, and intensive care unit.
CO4	27. Be posted in surgery ward and orthopedics wards.

Unit No.	Title of the Unit	Content of Experiment	Contact Hrs.	Mappe d CO
13.	Recording reporting and vital signs	<ol style="list-style-type: none"> Maintaining communication with patient and family and interpersonal relationship Documentation and reporting <ol style="list-style-type: none"> Documenting patient care and procedures Verbal report Written repot Monitor/ measure and document vital signs in a graphic sheet <ol style="list-style-type: none"> Temperature (oral, tympanic, axillary) Pulse (apical and peripheral pulses) Respiration Blood pressure Pulse oximetry Interpret and report alteration Cold applications – cols compress, ice cap, tepid sponging Care of equipment – thermometer, BP apparatus, stethoscope, pulse oximeter 	150	3
14.	Physical examination and infection control	<ol style="list-style-type: none"> Nursing/ health history taking Perform physical examination: <ol style="list-style-type: none"> General Body systems Use various methods of physical examination – inspection, palpation, percussion, auscultation, olfaction Identification of system wise deviations Documentation of findings <p><i>Infection control in Clinical setting</i></p>	150	3

		a. Hand hygiene b. Use of PPE -		
15.	Types of bed and comfort devices	- <i>Comfort, Rest & Sleep</i> 1. Bed making a. Open b. Closed c. Occupied d. Post-operative e. Cardiac bed f. Fracture bed 2. Comfort Devices a. Pillows b. Over bed table/ cardiac table c. Back rest d. Bed cradle 3. Therapeutic Positions a. Supine b. Fowlers (low, semi, high) c. Lateral d. Prone e. Sim's f. Trendelenburg g. Dorsal recumbent h. Lithotomy i. Knee chest 4. Pain assessment and provision for comfort <i>Promoting Safety in Health Care Environment</i> 5. Care of patient's unit 6. Use of safety devices: a. Side Rails 7. Restraints (physical) 8. Fall risk assessment and post fall assessment	150	3
16.	Admission and mobility of patient	<i>Hospital Admission and discharge</i> Perform & Document: 1. Admission 2. Transfer 3. Planned Discharge <i>Mobility and Immobility</i> 1. Range of motion exercises 2. Assist patient in: a. Moving b. Turning c. Logrolling 3. Changing positions of helpless patient	150	3

		<p>4. Transferring (bed to and from chair/ wheelchair/ stretcher)</p> <p>5. Patient education</p>		
Reference Books:				
13. Potter perry				
14. Titora				
15. Sister nancy				
16. DC Dutta				
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 CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4
CO1	3	2	3	3	3	2	3	3	1	3	2	1	3	2	3	2
CO2	3	3	3	2	2	1	2	3	3	2	1	3	2	2	2	2
CO3	3	2	2	2	3	3	3	2	3	3	2	2	3	3	1	3
CO4	3	3	3	2	2	2	2	2	2	3	2	2	3	3	3	2

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

Name & Sign of Program Coordinator	Sign & Seal of HoD
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