



स्वामी राम हिमालयन विश्वविद्यालय
Swami Rama Himalayan University

Criterion 1 - Curricular Aspects

1.1.1 Outcome Analysis of POs, COs

B. Sc. Nursing

(2018-2022)

Himalayan Collage of Nursing

Swami Rama Nagar, Jolly Grant, Dehradun 248016, Uttarakhand, India

A. Program Outcomes

After successful completion of the program, graduating students/graduates will able to:

PO1	Apply knowledge from physical, biological and behavioral sciences, medicine including alternative systems in nursing for providing nursing care to individuals, families and communities
PO2	Participate as member of health team in the promotive, preventive, curative and restorative health care delivery system of the country.
PO3	Provide nursing care based on steps of nursing process in collaboration with the individual and groups.
PO4	Demonstrate leadership qualities and decision making abilities in various situations.
PO5	Demonstrate skills in communication and interpersonal relationships
PO6	Demonstrate managerial and teaching skills in community health setting.
PO7	Utilize the latest trends and technologies in providing health care.
PO8	Practice ethical values in their personal and professional life.
PO9	Conduct need based research studies in various settings and utilize the research findings to improve the quality of care.
PO10	Recognize the need for continued learning for their personal and professional development




B. Course-wise CO-PO Mapping

Mapping factor or Correlational level between Course Outcome (CO) and Program Outcomes (PO) indicates to what extent the teaching and assessment method of CO correlates/contributes the PO at the level defined below:

Corelation Level	Particulars
3	Substantial/high contribution of CO towards PO
2	Moderate contribution of CO towards PO
1	Slight/low contribution of CO towards PO

Course Code	Course Title	CO-PO Mapping (Articulation Matrix)									
BSN101	Anatomy & Physiology										
CO#	At the end of the course the students will be able to:	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10
CO1	Describe the general structure and functions of the body as a whole.	3	1	1	1	1	2	1	1	1	1
CO2	Describe the general and microscopic structure and functions of each system of the body	3	1	1	1	2	1	1	1	1	1
CO3	Explain the macroscopic and microscopic structure and functions of each organs of the body	3	1	1	1	2	1	1	1	1	1
CO4	Understand the effects of alterations in structures and functions of as whole	3	1	1	1	2	1	1	1	1	1
CO5	Apply the knowledge of anatomy and physiology in the practice of nursing.	3	2	1	1	1	1	2	1	2	1
Course-wise PO Average		3.000	1.200	1.000	1.000	1.600	1.200	1.200	1.000	1.200	1.000




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Course Code	Course Title	CO-PO Mapping (Articulation Matrix)									
BSN102	English										
CO#	At the end of the course the students will be able to:	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10
CO1	Develop good vocabulary skills or better communication	1	2	1	2	3	2	1	1	1	1
CO2	Effectively communicates with patients while rendering care.	1	1	2	1	3	2	1	1	1	1
CO3	Understands methods of writing and drafting letters in English	1	1	1	1	1	1	1	1	1	1
CO4	To plan and write effective nursing process and records	1	2	3	1	1	1	1	1	1	1
Course-wise PO Average		1.000	1.500	1.750	1.250	2.000	1.500	1.000	1.000	1.000	1.000

Course Code	Course Title	CO-PO Mapping (Articulation Matrix)									
BSN103	Introduction to Computer										
CO#	At the end of the course the students will be able to:	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10
CO1	Identify & define various concepts used in computer	1	2	2	1	2	1	3	1	2	2
CO2	Identify & describe application of computer in nursing.	1	3	2	1	3	2	3	2	3	2
CO3	3 Describe & use the DOS & Windows	1	1	1	1	1	1	2	1	1	1
CO4	Describe & demonstrate skill in the use of MS-office.	2	1	1	1	3	1	2	2	3	2
CO5	Describe & demonstrate skill in using multimedia & computer aided teaching & testing	2	1	2	2	3	2	3	2	3	2
CO6	Identify & demonstrate use of internet & e-mail	1	2	2	1	2	2	2	2	2	2



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CO7	Describe & use the statistical packages	1	1	2	1	1	2	2	3	3	3
CO8	Describe the use of Hospital Management System	2	3	2	1	2	2	2	1	3	3
Course-wise PO Average		1.375	1.750	1.750	1.125	2.125	1.625	2.375	1.750	2.500	2.250

Course Code	Course Title	CO-PO Mapping (Articulation Matrix)									
BSN104	Microbiology										
CO#	At the end of the course the students will be able to:	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10
CO1	Explain concepts and principles of microbiology and their importance in nursing.	3	2	3	2	2	3	1	1	1	1
CO2	Understand the commensal, opportunistic and pathogenic organisms of human body and describe host parasite relationship	3	2	2	2	3	3	3	1	1	1
CO3	State the sources and modes of transmission of pathogenic and opportunistic organisms including vectors and their role in transmission of diseases.	3	3	2	2	3	2	2	2	1	1
CO4	Be conversant with proper methods of collection, storage and transport of clinical material for microbiological investigations	3	1	3	1	1	1	1	1	2	2
CO5	Understand the principles of immunology and its application in the diagnosis and prevention of infectious diseases	3	1	3	2	2	2	1	2	2	2
Course-wise PO Average		3.000	1.800	2.600	1.800	2.200	2.200	1.600	1.400	1.400	1.400



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Course Code	Course Title	CO-PO Mapping (Articulation Matrix)									
BSN105	Nursing Foundation										
CO#	At the end of the course the students will be able to:	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10
CO1	Knowledge on concept of health, health-illness continuum and health care delivery system	3	2	1	1	1	1	2	1	1	
CO2	Knowledge on scope of nursing practice.	2	3	1	1	1	1	1	1	1	1
CO3	Knowledge on concept, theories and models of nursing practice.	1	1	1	1	1	1	1	1	1	2
CO4	Desirable attitude to ethics and professional conduct.	1	1	1	1	1	1		3	1	1
CO5	Skill in communicating effectively with patients and families and team members to maintain effective human relations.	1	2	1	1	3	1	1	1	1	1
CO6	Skill in health assessment and monitoring of patients.	1	1	3	1	1	1	1	1	1	1
CO7	Skill in carrying out basic nursing care procedures.	1	1	2	1	1	1	1	1	1	2
CO8	Skill in caring for patients with alterations in body functions.	1	1	3	2	2	1	2	1	1	1
CO9	Skill in applying steps of nursing process in the care of clients in the hospital and community.	2	1	3	1	1	2	1	1	2	1
CO10	Skill in applying scientific principles while performing nursing care.	1	1	1	1	1	1	1	1	3	1
CO11	Skill in documentation.	1	1	1	1	2	1	1	1	1	1
CO12	Skill in meeting basic psychosocial needs of the clients.	2	1	1	1	1	1	1			
CO13	Knowledge on principles and techniques of infection control.	1	1	1	1	1	1	2	1		

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CO14	Confidence and competence in caring of terminally ill patients.	1	2	2	2	1	1	1	1	1	1
Course-wise PO Average		1.357	1.357	1.571	1.143	1.286	1.071	1.143	1.143	1.214	1.071

Course Code	Course Title	CO-PO Mapping (Articulation Matrix)									
BSN106	Nutrition & Biochemistry										
CO#	At the end of the course the students will be able to:	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10
CO1	To understand the concept of nutrition & health.	2	2	2	2	1	1	1	3	3	2
CO2	Understand different types of nutrients, their importance, sources, functions and problems due to deficiency.	3	2	2	1	2	3	3	2	2	1
CO3	To plan balanced diet for individuals and groups	3	2	2	2	3	1	1	2	1	1
CO4	Plan menu efficiently	3	2	2	2	2	1	2	1	2	1
CO5	Explain methods of effective cooking and food preservation	2	3	2	2	1	1	1	1	1	1
CO6	Apply the principles of food preparation in the practical field effectively	2	1	1	1	2	1	1	1	1	1
CO7	To understand normal biochemistry of human body	1	1	1	1	1	1	1	1	1	1
CO8	To understand biochemical changes occurring in illness	2	1	1	1	1	1	1	1	1	1
CO9	To assist with simple biochemical test, interpret the results and draw inference	1	2	1	1	1	1	1	1	2	1
Course-wise PO Average		2.111	1.778	1.556	1.444	1.556	1.222	1.333	1.444	1.556	1.111



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Course Code	Course Title	CO-PO Mapping (Articulation Matrix)									
BSN107	Psychology										
CO#	At the end of the course the students will be able to:	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10
CO1	Understand the importance of psychology in personal and professional life.	1	2	1	2	2	1	1	3	1	2
CO2	Understands the biology of human behaviour	3	2	1	1	1	1	1	1	1	1
CO3	Understands cognitive and affective processes of human mind.	2	2	2	1	1	1	1	1	1	1
CO4	Develops an understanding of self and others.	1	3	3	2	2	2	1	2	2	2
CO5	Understand the influence of personality of human behaviour	1	1	3	2	3	1	1	1	1	1
CO6	Appreciates developmental psychology.	1	1	2	1	3	2	1	1	1	1
CO7	Understands the significance of mental hygiene and mental health	1	2	2	1	2	1	1	1	1	1
CO8	Assist with psychological assessments and tests.	2	3	3	3	3	1	2	2	3	2
Course-wise PO Average		1.500	2.000	2.125	1.625	2.125	1.250	1.125	1.500	1.375	1.375

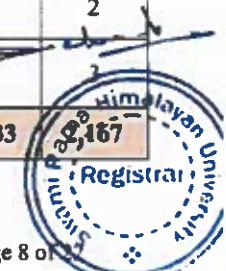
Course Code	Course Title	CO-PO Mapping (Articulation Matrix)									
BSN201	Communication and Education Technology										
CO#	At the end of the course the students will be able to:	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10
CO1	Understand the effective communication process using various communication techniques with individuals groups and health team members.	1	1	1	2	3	2	2	1	1	1
CO2	Establishes effective interpersonal and human relations with patients, families and health team members.	1	2	1	1	2	2	2			



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CO3	Acquires knowledge on concepts, principles on guidance and counselling and develop basic skills for counselling patients, nursing students and nursing personnel.	1	1	1	1	2	2	2	1	1	1
CO4	Understand the philosophy, principles of education and teaching learning process	1	1	1	1	1	1	1	1	1	1
CO5	Demonstrate teaching skills using various teaching methods in classroom, clinical and community setup using different methods and media.	1	1	1	1	1	3	3	1	1	1
CO6	Demonstrate skill in preparing different types of assessment tools for knowledge attitude and skill.	1	1	2	1	1	1	1	1	1	1
Course-wise PO Average		1.000	1.167	1.167	1.167	1.667	1.833	1.833	1.000	1.000	1.000

Course Code	Course Title	CO-PO Mapping (Articulation Matrix)									
BSN202	Community Health Nursing - I										
CO#	At the end of the course the students will be able to:	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10
CO1	Understand the concepts of community health and community health nursing	3	1	2	3	2	2	1	1	2	2
CO2	Appreciate the various factors influencing health in the community	3	2	2	2	1	3	3	2	3	3
CO3	Appreciate the concept, scope, uses and methods of epidemiology	2	1	3	2	2	3	2	2	1	1
CO4	Understand the epidemiology and nursing management of common communicable diseases	2	3	3	2	3	2	3	1	1	2
CO5	Appreciate the concept and scope of demography	2	2	1	2	1	1	2	2	1	2
CO6	Understand the impact of population explosion and population control	3	3	2	3	2	1	1	2	3	2
Course-wise PO Average		2.500	2.000	2.167	2.333	1.833	2.000	2.000	1.667	1.833	1.667



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Course Code	Course Title	CO-PO Mapping (Articulation Matrix)									
BSN203	Medical Surgical Nursing - I										
CO#	At the end of the course the students will be able to:	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10
CO1	Describe the causes, signs and symptoms, treatment and prevention of medical surgical conditions	2	1	1	1	1	1	1	1	1	1
CO2	Demonstrate skill in carrying out nursing techniques and procedures in keeping with scientific principles.	2	1	2	1	2	1	1	2	1	1
CO3	Demonstrate skill in carrying out nursing techniques and procedures in keeping with scientific principles.	2	1	2	1	2	1	1	2	1	1
Course-wise PO Average		2.000	1.000	1.667	1.000	1.667	1.000	1.000	1.667	1.000	1.000

Course Code	Course Title	CO-PO Mapping (Articulation Matrix)									
BSN204	Pharmacology										
CO#	At the end of the course the students will be able to:	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10
CO1	Understand the basic concepts of pharmacology	3	1	2	2	1	1	2	3	2	3
CO2	Understand the pharmacology of common chemotherapeutics	3	2	2	2	3	3	3	3	1	3
CO3	Understand common antiseptics, disinfectants and insecticides	3	2	2	2	3	3	3	3	1	3
CO4	Understand drug acting on various systems of human body.	3	2	2	2	3	3	3	3	3	3
CO5	Appreciate alternative systems of medicines.	3	2	2	2	3	3	3	3	3	3



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CO6	Understand the basic concepts of pathology	3	2	3	1	3	1	2	2	1	3
CO7	Understand the pathophysiological changes in different system disorders	3	2	3	1	3	1	2	2	1	3
CO8	Assist for various pathological tests conducted in the clinical field.	3	2	2	1	3	1	2	2	1	3
CO9	Collect and send the pathological tests and infer their results with patient conditions	3	2	2	1	3	1	2	2	1	3
CO10	Understand the basic concepts of genetics	2	1	1	1	1	2	1	1	1	1
CO11	Understand maternal, prenatal and genetic influences on development of defects and diseases	3	2	3	2	2	1	2	2	2	1
CO12	Understand the significance of genetic testing.	3	1	1	2	1	2	3	2	2	1
CO13	Understand genetic disorders in various age groups.	3	1	1	1	1	2	2	2	1	1
CO14	Appreciate services related to genetics.	2	1	1	2	1	2	2	1	1	1
Course-wise PO Average		2.857	1.643	1.929	1.571	2.214	1.857	2.286	2.214	1.214	2.286

Course Code	Course Title	CO-PO Mapping (Articulation Matrix)									
BSN205	Sociology										
CO#	At the end of the course the students will be able to:	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10
CO1	Describe the structure and the dynamics of the society	3	1	3	2	1	1	2	1	1	1
CO2	Discuss the relationship of the individual to the society.	2	1	2	2	3	2	1	1	1	1



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CO3	Understand the social problems and its influence on social changes and the factors contributing to it.	1	2	1	2	1	1	1	1	1	3
CO4	Describe sociological concepts applicable to nursing.	1	2	3	2	1	2	2	1	1	1
CO5	Determine role of sociology in nursing as related to social institution in India	2	1	1	1	1	2	1	2	1	2
CO6	Develop positive attitudes towards individual, family and community	1	1	1	1	3	1	1	1	1	1
Course-wise PO Average		1.667	1.333	1.833	1.667	1.667	1.500	1.333	1.167	1.000	1.500

Course Code	Course Title	CO-PO Mapping (Articulation Matrix)									
BSN206	Environment Science										
CO#	At the end of the course the students will be able to:	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10
CO1	Creating awareness among the students.	1	1	1	1	1	1	1	2	1	1
CO2	Exposing basic knowledge about the environment and its associated problems.	2	1	1	1	1	1	1	1	1	1
CO3	Developing and attitude of concern for the environment	1	1	1	2	1	1	1	2	1	1
CO4	Developing skills in students to identify and solve environmental problems.	1	1	1	2	1	1	1	1	1	1
Course-wise PO Average		1.250	1.000	1.000	1.500	1.000	1.000	1.000	1.500	1.000	1.000

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Course Code	Course Title	CO-PO Mapping (Articulation Matrix)									
BSN301	Child Health Nursing										
CO#	At the end of the course the students will be able to:	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10
CO1	Explain the modern concept of child care and the principles of child health nsg.	3	1	2	1	1	1	2	2	2	1
CO2	Describe the normal growth and development of children in various age groups	3	1	2	1	1	2	2	1	2	1
CO3	Explain the physiological response of body to disease conditions in children	3	3	2	1	1	1	2	1	2	1
CO4	Identify the health needs and problems of neonates and children, plan and implement appropriate nursing interventions.	3	2	3	1	2	2	1	3	2	2
CO5	Identify the various preventive, promotive and rehabilitative aspects of child care and apply them in providing nursing care to children in th hospital and in the community	3	3	3	1	1	2	2	2	1	2
Course-wise PO Average		3.000	2.000	2.400	1.000	1.200	1.600	1.800	1.800	1.800	1.400

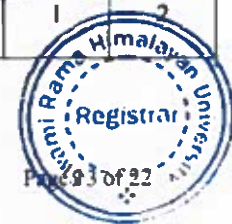
Course Code	Course Title	CO-PO Mapping (Articulation Matrix)									
BSN302	Medical Surgical Nursing II										
CO#	At the end of the course the students will be able to:	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10
CO1	Provide care for patients with disorders of ear nose and throat.	2	1	2	1	2	1	1	2	1	1
CO2	Take care of patients with disorders of eye.	2	1	2	1	2	1	1	2	1	1
CO3	Plan, implement and evaluate nursing management of patients with neurological disorders	2	1	2	1	2	1	1	2	1	1



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CO4	Develop abilities to take care of female patients with reproductive disorders	2	1	2	1	2	1	1	2	1	1
CO5	Provide care of patients with burns, reconstructive and cosmetic surgery.	2	1	2	1	2	1	1	2	1	1
CO6	Manage patients with oncological conditions	2	1	2	1	2	1	1	2	1	1
CO7	Develop skill in providing care during emergency and disaster situations	2	1	2	1	2	1	1	2	1	1
CO8	Plan, implement and evaluate care of elderly	2	1	2	1	2	1	1	2	1	1
CO9	Develop ability to manage patients in critical care units.	2	1	2	1	2	1	1	2	1	1
Course-wise PO Average		2.000	1.000	2.000	1.000	2.000	1.000	1.000	2.000	1.000	1.000

Course Code	Course Title	CO-PO Mapping (Articulation Matrix)									
BSN303	Mental Health Nursing										
CO#	At the end of the course the students will be able to:	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10
CO1	Understand the historical development and current trends in mental health nursing.	3	1		1	1	1	1	1	1	2
CO2	Comprehend and apply principles of psychiatric nursing in clinical practice	3	1	2	1	1	1	2	2	1	1
CO3	Understand the etiology, psychodynamics and management of psychiatric disorders	3	3	3	1	1	1	1	1	1	1
CO4	Develop competency in assessment, therapeutic communication and assisting with various treatment modalities.	3	1	2	1	3	1	2	2	1	1
CO5	Understand and accept psychiatric patient as an individual and develop a deeper insight into her own attitudes and emotional reactions.	3	3	1	1	3	2	1	2	1	2



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CO6	Develop skill in providing comprehensive care to various kinds of psychiatric patients	3	3	1	1	3	2	1	1	1	1
CO7	Develop understanding regarding psychiatric emergencies and crisis interventions	3	3	3	2	3	2	1	1	1	1
CO8	Understand the importance of community health nursing in psychiatry	3	3	3	2	3	2	2	1	2	1
Course-wise PO Average		3.000	2.250	1.875	1.250	2.250	1.500	1.375	1.375	1.125	1.250

Course Code	Course Title	CO-PO Mapping (Articulation Matrix)									
BSN304	Nursing Research & Statistics										
CO#	At the end of the course the students will be able to:	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10
CO1	Define the terms and concepts of nursing research.	3	3	3	3	1	1	2	2	1	2
CO2	Identify needs and scope of nursing research	3	3	3	2	3	3	3	2	1	3
CO3	Define research problems.	2	3	3	3	2	2	2	2	1	1
CO4	Locate and list sources of literature review including operational definitions and conceptual framework.	1	2	3	2	3	2	3	1	3	1
CO5	Describe different approaches and research designs in nursing research	3	3	2	3	2	3	2	3	2	3
CO6	Describe sample and sampling technique.	3	3	3	2	2	2	2	3	3	1
CO7	Develop tool for data collection	3	3	2	3	2	3	3	2	3	3
CO8	Conduct pilot study to confirm reliability and validity of tool before data collection	2	2	3	3	3	3	3	3	2	3
CO9	To enumerate steps of data analysis and present data summary	2	3	3	3	2	3	1	2	2	2



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CO10	Use descriptive and co- relational statistics in data analysis.	2		2	3	1	3	1	3	2	3
CO11	Conduct group project and write report.	3	3	3	3	3	2	2	2	3	1
Course-wise PO Average		2.455	2.545	2.727	2.727	2.182	2.455	2.182	2.273	2.091	2.182

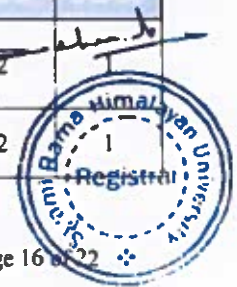
Course Code	Course Title	CO-PO Mapping (Articulation Matrix)									
BSN401	Community Health Nursing - II										
CO#	At the end of the course the students will be able to:	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10
CO1	Understand the concepts, scope, principles and historical development of community health and community health nursing.	3	2	2	3	2	2	3	1	1	2
CO2	Appreciate the national health planning, policies, problems.	2	3	1	2	2	3	1	1	3	3
CO3	Describe the system of delivery of community health services in rural and urban area.	3	3	2	3	2	3	2	2	1	2
CO4	Develop understanding about community health nursing approaches, concepts and roles and responsibilities of nursing personnel.	3	1	1	3	2	1	2	2	1	2
CO5	Participate in assisting individuals and groups to promote and maintain their health.	2	3	2	2	1	2	1	1	2	3
CO6	Appreciate the national health and family welfare programme and the role of the nurse.	1	3	3	2	2	2	2	1	2	3
CO7	Understand the health agencies at the international and national level.	1	1	2	3	3	3	2	2	1	1
Course-wise PO Average		2.143	2.286	1.857	2.571	2.000	2.286	1.857	1.429	1.571	2.286



1.1.1 Outcome Analysis of POs, COs – B.Sc. Nursing (2018-2022)

Course Code	Course Title	CO-PO Mapping (Articulation Matrix)									
BSN402	Management Nursing Services & Education										
CO#	At the end of the course the students will be able to:	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10
CO1	Understand the principles and functions of management	1	3	1	3	2	1	1	1	3	1
CO2	Understand the elements and process of management	3	3	2	3	3	3	1	3	1	3
CO3	Appreciate the management of nursing services in the hospital and community.	3	2	1	2	3	3	2	2	3	1
CO4	Apply the concepts, theories and techniques of organizational behaviour and human relations	3	3	2	3	3	2	2	1	1	2
CO5	Develop skills in planning and organizing in service education	1	3	1	2	2	1	2	2	1	22
CO6	Understand the management of nursing educational institutions	2	1	2	2	2	1	3	2	1	1
CO7	Describe the ethical and legal responsibilities of a professional nurse	2	1	1	2	2	1	1	1	2	1
CO8	Understand the various opportunities for professional advancement.	1	1	2	1	2	1	1	1	3	3
Course-wise PO Average		2.000	2.125	1.500	2.250	2.375	1.625	1.625	1.625	1.875	4.250

Course Code	Course Title	CO-PO Mapping (Articulation Matrix)									
BSN403	Midwifery & Obstetrical Nursing										
CO#	At the end of the course the students will be able to:	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10
CO1	Describe the normal pregnancy, labour and puerperium and demonstrate the application of knowledge and skill in giving need - based care.	3	3	3	3	3	1	2	3	2	1
CO2	Demonstrate safe management of all stages of labour.	3	3	3	3	3	1	2	3	2	1



1.1.1 Outcome Analysis of POs, COs – B.Sc. Nursing (2018-2022)

CO3	Identify the high-risk factor during pregnancy, labour and puerperium as well as neonates and take appropriate interventions.	3	3	3	3	2	1	2	3	2	1
CO4	Motivate the mother for care of the baby and adapting family planning methods to maintain small family norms	3	3	3	2	3	2	2	3	2	1
CO5	Prepare the mothers for self-care during the pregnancy, labour and puerperium	3	3	3	3	3	2	2	3	2	1
Course-wise PO Average		3.000	3.000	3.000	2.800	2.800	1.400	2.000	3.000	2.000	1.000

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C. Program outcome Reference Value:

Following table calculates the overall average of all POs of the Courses and is referred as Course-wise Average of POs Reference values.

Sr. No.	Course Code	Course Title	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
1	BSN101	Anatomy & Physiology	3.000	1.200	1.000	1.000	1.600	1.200	1.200	1.000	1.200	1.000
2	BSN102	English	1.000	1.500	1.750	1.250	2.000	1.500	1.000	1.000	1.000	1.000
3	BSN103	Introduction to Computer	1.375	1.750	1.750	1.125	2.125	1.625	2.375	1.750	2.500	2.250
4	BSN104	Microbiology	3.000	1.800	2.600	1.800	2.200	2.200	1.600	1.400	1.400	1.400
5	BSN105	Nursing Foundation	1.357	1.357	1.571	1.143	1.286	1.071	1.143	1.143	1.214	1.071
6	BSN106	Nutrition & Biochemistry	2.111	1.778	1.556	1.444	1.556	1.222	1.333	1.444	1.556	1.111
7	BSN107	Psychology	1.500	2.000	2.125	1.625	2.125	1.250	1.125	1.500	1.375	1.375
8	BSN201	Communication and Education Technology	1.000	1.167	1.167	1.167	1.667	1.833	1.833	1.000	1.000	1.000
9	BSN202	Community Health Nursing - I	2.500	2.000	2.167	2.333	1.833	2.000	2.000	1.667	1.833	2.167
10	BSN203	Medical Surgical Nursing - I	2.000	1.000	1.667	1.000	1.667	1.000	1.000	1.667	1.000	1.000
11	BSN204	Pharmacology	2.857	1.643	1.929	1.571	2.214	1.857	2.286	2.214	1.214	2.286
12	BSN205	Sociology	1.667	1.333	1.833	1.667	1.667	1.500	1.333	1.167	1.000	1.500
13	BSN206	Environment Science	1.250	1.000	1.000	1.500	1.000	1.000	1.000	1.500	1.000	



1.1.1 Outcome Analysis of POs, COs – B.Sc. Nursing (2018-2022)

14	BSN301	Child Health Nursing	3.000	2.000	2.400	1.000	1.200	1.600	1.800	1.800	1.800	1.400
15	BSN302	Medical Surgical Nursing II	2.000	1.000	2.000	1.000	2.000	1.000	1.000	2.000	1.000	1.000
16	BSN303	Mental Health Nursing	3.000	2.250	1.875	1.250	2.250	1.500	1.375	1.375	1.125	1.250
17	BSN304	Nursing Research & Statistics	2.455	2.545	2.727	2.727	2.182	2.455	2.182	2.273	2.091	2.182
18	BSN401	Community Health Nursing – II	2.143	2.286	1.857	2.571	2.000	2.286	1.857	1.429	1.571	2.286
19	BSN402	Management Nursing Services & Education	2.000	2.125	1.500	2.250	2.375	1.625	1.625	1.625	1.875	4.250
20	BSN403	Midwifery & Obstetrical Nursing	3.000	3.000	3.000	2.800	2.800	1.400	2.000	3.000	2.000	1.000
Combined Course-wise Average of POs Reference values			2.011	1.630	1.799	1.499	1.769	1.475	1.472	1.516	1.344	1.364

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D. Assessment of CO and PO Attainment Value

The attainment of the course outcome is measured at the level of 3 as follows:

Attainment Levels	Criteria
3	If 80% of student achieves marks greater than threshold percentage of the total score of assessment
2	If 70% of student achieves marks greater than threshold percentage of the total score of assessment
1	If 60% of student achieves marks greater than threshold percentage of the total score of assessment
0	If 60% of student achieves marks less than threshold percentage of the total score of assessment

Attainment level of COs is measured through direct attainment of COs depending on the performance of the students in Internal Assessment (IA) and University Examination (UE) individually. The average attainment level of both assessment is calculated depending on the proportional weightage of IA and UE according to the academic regulation or marks distribution of the assessment. For this program the threshold percentage is set at 50% for IA and 50% for UE Assessments.

Sr. No.	Course Code	Course Title	Attainment of COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
1	BSN101	Anatomy & Physiology	2.250	2.250	0.900	0.750	0.750	1.200	0.900	0.900	0.750	2.250	2.250
2	BSN102	English	1.000	0.333	0.500	0.583	0.417	0.667	0.500	0.333	0.333	1.000	0.333
3	BSN103	Introduction to Computer	3.000	1.375	1.750	1.750	1.125	2.125	1.625	2.375	1.750	3.000	1.375
4	BSN104	Microbiology	2.250	2.250	1.350	1.950	1.350	1.650	1.650	1.200	1.050	2.250	2.250
5	BSN105	Nursing Foundation	3.000	1.357	1.357	1.571	1.143	1.286	1.071	1.143	1.143	3.000	1.357
6	BSN106	Nutrition & Biochemistry	3.000	2.111	1.778	1.556	1.444	1.556	1.222	1.333	1.444	3.000	2.111
7	BSN107	Psychology	3.000	1.500	2.000	2.125	1.625	2.125	1.250	1.125	1.500	3.000	1.500



1.1.1 Outcome Analysis of POs, COs – B.Sc. Nursing (2018-2022)

8	BSN201	Communication and Education Technology	3.000	1.000	1.167	1.167	1.167	1.667	1.833	1.833	1.000	3.000	1.000
9	BSN202	Community Health Nursing - I	2.750	2.292	1.833	1.986	2.139	1.680	1.833	1.833	1.528	2.750	2.292
10	BSN203	Medical Surgical Nursing - I	2.750	1.833	0.917	1.528	0.917	1.528	0.917	0.917	1.528	2.750	1.833
11	BSN204	Pharmacology	0.250	0.238	0.137	0.161	0.131	0.185	0.155	0.191	0.185	0.250	0.238
12	BSN205	Sociology	2.250	1.250	1.000	1.375	1.250	1.250	1.125	1.000	0.875	2.250	1.250
13	BSN206	Environment Science	3.000	1.250	1.000	1.000	1.500	1.000	1.000	1.000	1.500	3.000	1.250
14	BSN301	Child Health Nursing	2.250	2.250	1.500	1.800	0.750	0.900	1.200	1.350	1.350	2.250	2.250
15	BSN302	Medical Surgical Nursing II	1.875	1.250	0.625	1.250	0.625	1.250	0.625	0.625	1.250	1.875	1.250
16	BSN303	Mental Health Nursing	3.000	3.000	2.250	1.875	1.250	2.250	1.500	1.375	1.375	3.000	3.000
17	BSN304	Nursing Research & Statistics	2.750	2.250	2.333	2.500	2.500	2.000	2.250	2.000	2.084	2.750	2.250
18	BSN401	Community Health Nursing – II	2.125	1.518	1.619	1.315	1.821	1.417	1.619	1.315	1.012	2.125	1.518
19	BSN402	Management Nursing Services & Education	1.500	1.000	1.063	0.750	1.125	1.188	0.813	0.813	0.813	1.500	1.000
20	BSN403	Midwifery & Obstetrical Nursing	2.750	2.750	2.750	2.750	2.567	2.567	1.283	1.833	2.750	2.750	2.750
Combined Course-wise Average of POs Reference values				1.653	1.391	1.487	1.280	1.474	1.219	1.225	1.261	1.653	1.391
Course-wise Average of POs Reference values				2.111	1.737	1.874	1.611	1.887	1.556	1.553	1.598	1.438	1.576
Percentage Attainment of PO's				78.3%	80.1%	79.4%	79.4%	78.1%	78.3%	78.8%	78.9%	78.3%	80.1%



From the Attainment level of CO, the Derived PO's value for course is calculated as follows:

$$\text{Derived PO Value} = \frac{\text{CO attainment} \times \text{respective PO average}}{3}$$

Depending on derived PO values of the courses, calculate the Course-wise Average of POs achievement for each PO.

Calculate the percentage attainment of PO's as follows:

$$\text{Percentage attainment of PO's} = \frac{\text{Average PO Attainment through}}{\text{average PO reference value}} \times 100$$