



**स्वामी राम हिमालयन विश्वविद्यालय**  
**Swami Rama Himalayan University**

## **Criterion 1 - Curricular Aspects**

### **1.1.1 Outcome Analysis of POs, COs** **Post Basic B.Sc. in Nursing** **(2020-2022)**

**Himalayan College of Nursing**

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

## A. Program Outcomes

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

<b>PO1</b>	Assess health status, identify nursing needs, plan, implement and evaluate nursing care for patients/clients that contribute to health of individuals, families and communities.
<b>PO2</b>	Demonstrate competency in techniques of nursing based on concepts and principles from selected areas of nursing, physical, biological and behavioral sciences
<b>PO3</b>	Participate as members of health team in the promotive, preventive, curative and restorative health care delivery system of the country
<b>PO4</b>	Demonstrate skills in communication and interpersonal relationships
<b>PO5</b>	Demonstrate leadership qualities and decision-making abilities in various situation
<b>PO6</b>	Demonstrate skills in teaching to individuals and groups in community health settings
<b>PO7</b>	Demonstrate managerial skills in community health settings
<b>PO8</b>	Practice ethical values in their personal and professional life.
<b>PO9</b>	Participate in research activities and utilize research findings in improving nursing practice
<b>PO10</b>	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:

Correlation 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)									
PBN101	Biochemistry and Biophysics										
CO#	At the end of the course the students will be able to:	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	Identify the basic principles of Biochemistry and Biophysics	3	1	2	1	1	2	3	1	3	1
CO2	Synthesize the knowledge of these principles in various nursing situations	1	3	1	1	2	3	1	3	2	3
Course-wise PO Average		2.000	2.000	1.500	1.000	1.500	2.500	2.000	2.000	2.500	2.000

Course Code	Course Title	CO-PO Mapping (Articulation Matrix)									
PBN102	Child Health Nursing										
CO#	At the end of the course the students will be able to:	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	Explain the modern concept of child care and the principal of child health nursing	1	2	2	2	1	2	2	1	1	1
CO2	Describe the normal growth and development at the different ages.	3	3	2	1	1	2	1	1	1	1
CO3	Manage sick as well as healthy neonates and children.	3	3	2	2	2	1	1	2	1	1



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CO4	Identify various aspects of preventive paediatric nursing and apply them in providing nursing care to children in hospital and community.	3	3	3	2	2	2	2	2	1	1
Course-wise PO Average		2.500	2.750	2.250	1.750	1.500	1.750	1.500	1.500	1.000	1.000

Course Code	Course Title	CO-PO Mapping (Articulation Matrix)									
PBN103	English										
CO#	At the end of the course the students will be able to:	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	Ability to speak and write grammatically correct English	1	1	1	3	1	2	1	1	1	2
CO2	Effective skill in reading and understanding the English language	1	1	1	3	1	2	1	1	1	2
CO3	Skill in reporting	1	1	1	3	1	2	1	1	1	2
Course-wise PO Average		1.000	1.000	1.000	3.000	1.000	2.000	1.000	1.000	1.000	2.000

Course Code	Course Title	CO-PO Mapping (Articulation Matrix)									
PBN104	Maternal Nursing										
CO#	At the end of the course the students will be able to:	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	Describe the physiology of pregnancy, labour, and puerperium	3	2	2	2	1	1	1	2	2	2
CO2	Manage normal pregnancy, labour and puerperium	3	3	2	2	1	2	1	2	2	2
CO3	Explain the physiology of lactation, and advice on management of breast feeding	3	3	1	2	1	1	1	2	2	2
CO4	Provide pre- and post operative nursing care in obstetric conditions	3	3	1	2	1	1	1	2	2	2
CO5	Identify and manage high risk pregnancy including appropriate referrals	3	3	3	2	2	1	1	2	2	2



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CO6	Propagate the concept and motivate acceptance of family planning methods	2	2	2	2	2	2	2	2	2	2
CO7	Teach, guide and supervise auxiliary midwifery personnel		2		2	2	2	1	1	1	1
<b>Course-wise PO Average</b>		<b>2.429</b>	<b>2.571</b>	<b>1.571</b>	<b>2.000</b>	<b>1.429</b>	<b>1.429</b>	<b>1.143</b>	<b>1.857</b>	<b>1.857</b>	<b>1.714</b>

Course Code	Course Title	CO-PO Mapping (Articulation Matrix)									
PBN105	Medical Surgical Nursing										
CO#	At the end of the course the students will be able to:	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	Explain relevant Anatomy & Physiology of various systems of the body.	3	3	1	1	1	1	1	1	1	2
CO2	Explain pathophysiology of various disorders.	3	1	1	1	1	1	1	1	1	2
CO3	Explain the actions, sideeffects & nursing implications in administering drugs for various disorders.	3	3	2	3	1	1	1	3	1	3
CO4	Discuss the recent advancement in the treatment & care of patients with Medical Surgical conditions	3	1	1	1	1	1	1	1	1	2
CO5	Develop skill in giving comprehensive nursing care to patients following the steps of nursing process	3	3	3	3	2	1	1	2	1	2
CO6	Assist the patients & their families in identifying & meeting their own health needs	3	3	3	3	1	1	1	2	1	2
CO7	Appreciate the role of the nurse in the Medical Surgical health team.	1	1	3	3	3	1	1	1	1	1
<b>Course-wise PO Average</b>		<b>2.714</b>	<b>2.143</b>	<b>2.000</b>	<b>2.143</b>	<b>1.429</b>	<b>1.000</b>	<b>1.000</b>	<b>1.571</b>	<b>1.000</b>	<b>2.000</b>





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Course Code	Course Title	CO-PO Mapping (Articulation Matrix)									
PBN106	Microbiology										
CO#	At the end of the course the students will be able to:	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	Identify common disease producing micro-organisms	2	3	1	1	1	1	1	1	2	1
CO2	Explain the Basic principles of Microbiology and their significance in health & disease	1	1	3	1	1	1	1	1	2	1
CO3	Demonstrate skills in handling of infective specimens	1	2	3	1	1	1	1	1	2	1
CO4	Explain various methods of sterilization & disinfection	1	3	2	1	1	1	1	1	2	1
CO5	Role of nurse in hospital infection control system.	3	3	3	2	3	1	1	3	3	3
Course-wise PO Average		1.600	2.400	2.400	1.200	1.400	1.000	1.000	1.400	2.200	1.400

Course Code	Course Title	CO-PO Mapping (Articulation Matrix)									
PBN107	Nursing Foundation										
CO#	At the end of the course the students will be able to:	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	Identify professional aspects of nursing	3	3	2	2		2	1	2	2	3
CO2	Explain theories of nursing	2	3	1		1			2	1	1
CO3	Identify ethical aspects of nursing profession	1		2	2	2	1		3	1	2
CO4	Utilize steps of nursing process.	3			2	1	2		2	1	1
CO5	Identify the role of the nurse in various levels of health services	2	2	3	2	3	3	3	2	2	3
CO6	Appreciate the significance of quality assurance in nursing	2	1	1	1	2	3	2	2	2	2
CO7	Explain current trends in health and nursing.	2	3	2		1	1		2	1	1
Course-wise PO Average		2.143	1.714	1.571	1.286	1.429	1.714	0.857	2.143	1.429	1.857

1.1.1 Outcome Analysis of POs, COs – PPB Nursing (2020-2022)

Course Code	Course Title	CO-PO Mapping (Articulation Matrix)									
PBN108	Nutrition & Dietetics										
CO#	At the end of the course the students will be able to:	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	Explain the principles and practices of nutrition and dietetics	3	3	3	1	1	3	1	1	3	3
CO2	Plan therapeutic diets in different settings	2	2	1	1	1	2	1	1	1	1
CO3	Identify nutritional needs of different age groups and plan diet accordingly	3	3	3	1	1	3	3	1	1	1
CO4	Prepare meals using different methods utilizing cookery rules.	1	2	1	2	2	2	1	1	1	1
Course-wise PO Average		2.250	2.500	2.000	1.250	1.250	2.500	1.500	1.000	1.500	1.500

Course Code	Course Title	CO-PO Mapping (Articulation Matrix)									
PBN109	Psychology										
CO#	At the end of the course the students will be able to:	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	Apply psychological principles while performing nursing duties.	1	1	2	3	1	2	1	1	1	1
CO2	Distinguish the psychological processes during health and sickness.	3	3	2	1	2	3	2	1	1	1
CO3	Analyze own behavior patterns.	1	1	1	1	1	1	1	2	2	3
CO4	Tabulate the psychological needs of the patients for planning nursing care.	3	2	3	1	2	1	2	2	2	2
CO5	Participate in psychometric assessment of the client.	2	1	2	2	2	3	3	1	2	1
Course-wise PO Average		2.000	1.600	2.000	1.600	1.600	2.000	1.800	1.400	1.600	1.600



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Course Code	Course Title	CO-PO Mapping (Articulation Matrix)									
PBN201	Community Health Nursing										
CO#	At the end of the course the students will be able to:	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO 01	Explain the concept of various factors contributing to health individual family and community.	3	3	3	3	2	2	2	2	2	2
CO 02	Identify the role of community health nurse	2	3	3	3	2	2	2	2	1	2
CO 03	Describe national health care delivery system	3	3	3	3	2	3	1	2	1	1
CO 04	Describe epidemiological methods and principles of prevent and control of illness in the community	2	3	1	2	2	3	1	2	1	1
CO 05	Identify the role of personnel working in the community health set up	2	3	3	3	2	2	2	2	3	2
CO 06	Plan the work of community health nurse and supervise and train health workers	1	1	2	3	2	3	1	1	1	3
Course-wise PO Average		2.167	2.667	2.500	2.833	2.000	2.500	1.500	1.833	1.500	1.833

Course Code	Course Title	CO-PO Mapping (Articulation Matrix)									
PBN 202	Introduction to Nursing Administration										
CO#	At the end of the course the students will be able to:	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO 01	Identify the Principles of administration	2	1	2	3	2	1	1	2	1	1
CO 02	Describe the Principles and techniques of supervision	3	3	2	2	1	1	1	2	2	1
CO 03	Explain the Principles and Methods of personnel management	3	1	2	2	2	1	1	1	1	1
CO 04	Explain the principles of Budgeting.	1	1	2	1	1	1	2	1	2	1
CO 05	Organize and manage a Nursing Unit effectively	2	2	3	3	3	1	1	2	2	1



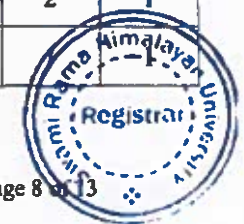


1.1.1 Outcome Analysis of POs, COs – PPB Nursing (2020-2022)

CO 06	Identify dynamics of Organizational behaviour, styles and functions of effective leadership	1	1	2	3	2	3	2	2	2	2
CO 07	Describe the principles of Material management and quality control	1	1	1	3	1	1	2	2	2	1
<b>Course-wise PO Average</b>		<b>1.857</b>	<b>1.429</b>	<b>2.000</b>	<b>2.429</b>	<b>1.714</b>	<b>1.286</b>	<b>1.429</b>	<b>1.714</b>	<b>1.714</b>	<b>1.143</b>

Course Code	Course Title	CO-PO Mapping (Articulation Matrix)									
<b>PBN203</b>	<b>Introduction to Nursing Education</b>										
CO#	At the end of the course the students will be able to:	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO 01	Describe the philosophy and principles of education	1	3	1	1	1	1	1	1	1	1
CO 02	Explain the teaching- learning process	1	3	1	1	1	3	1	1	1	1
CO 03	Develop the ability to teach, using various methods and media	1	1	1	3	1	3	1	1	1	1
CO 04	Describe the process of assessment	3	2	2	1	1	1	1	1	1	1
CO 05	Describe the administrative aspects of school of nursing, College of Nursing	1	1	1	1	3	1	1	1	2	1
CO 06	Participate in planning and organizing an in-service education programme	2	1	1	1	3	1	2	3	3	3
CO 07	Develop basic skills in counselling and guidance	1	1	1	3	2	2	2	3	1	1
<b>Course-wise PO Average</b>		<b>1.429</b>	<b>1.714</b>	<b>1.143</b>	<b>1.571</b>	<b>1.714</b>	<b>1.714</b>	<b>1.286</b>	<b>1.571</b>	<b>1.429</b>	<b>1.286</b>

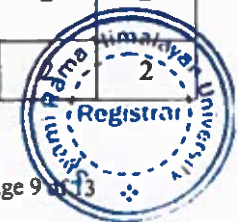
Course Code	Course Title	CO-PO Mapping (Articulation Matrix)									
<b>PBN204</b>	<b>Introduction to Nursing Research &amp; Statistics</b>										
CO#	At the end of the course the students will be able to:	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO 01	Define the terms and concepts of nursing research	3	3	1	1	1	1	2	1	2	1
CO 02	Identify needs and scope of nursing research	3	3	1	1	1	1	2	1		



1.1.1 Outcome Analysis of POs, COs – PPB Nursing (2020-2022)

CO 03	Identify and define research problems		3	1	2	3	2	1	2	1	1
CO 04	Locate and list sources of literature for specific study.	2	3	2	3	2	1	1	1	2	2
CO 05	Describe different approaches method of data collection and sampling technique with special reference to survey method	2	3	1	2	3	1	2	3	3	2
CO 06	Develop tool for data collection	1	2	1	3	2	1	3	2	3	1
CO 07	Enumerate steps of data analysis and present data summary in tabular form.	1	1	2	3	2	1	3	2	3	1
CO 08	Use descriptive and co-relational statistics in data analysis	1	1	2	1	2	2	3	2	3	1
CO 09	Conduct a group project and write report.	1	2	2	1	2	1	1	1	3	3
	<b>Course-wise PO Average</b>	<b>1.556</b>	<b>2.333</b>	<b>1.444</b>	<b>1.889</b>	<b>2.000</b>	<b>1.222</b>	<b>2.000</b>	<b>1.667</b>	<b>2.333</b>	<b>1.444</b>

Course Code	Course Title	CO-PO Mapping (Articulation Matrix)									
PBN205	Mental Health Nursing										
CO#	At the end of the course the students will be able to:	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO 01	Identify and describe the philosophy and principles of mental health nursing	3	1	1	1	1	1	1	2	1	2
CO 02	Describe the historical development of mental health and psychiatric nursing	2	1	1	1	1	1	1	2	1	1
CO 03	Classify mental disorders.	3	2	2	1	1	2	1	1	1	1
CO 04	Develop skills in history taking and performing mental status examination	3	3	3	1	1	1	1	1	2	2
CO 05	Describe etiological factors, psycho-pathology, clinical features, diagnostic criteria and treatment methods used for mental disorders	3	3	1	1	1	1	1	1	2	2
CO 06	Manage the patients with various mental disorders.	3	3	3	1	1	1	1	1	2	2



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CO 07	Communicate therapeutically with patients and their families	1	1	1	3	1	3	1	1	1	1
CO 08	Identify role of the nurse in preventive psychiatry	1	3	3	1	2	1	1	1	1	2
CO 09	Identify the legal aspects in practice of mental health and psychiatric nursing	1	3	1	1	2	1	1	3	1	2
<b>Course-wise PO Average</b>		<b>2.222</b>	<b>2.222</b>	<b>1.778</b>	<b>1.222</b>	<b>1.222</b>	<b>1.333</b>	<b>1.000</b>	<b>1.444</b>	<b>1.333</b>	<b>1.667</b>

Course Code	Course Title	CO-PO Mapping (Articulation Matrix)									
PBN206	Sociology										
CO#	At the end of the course the students will be able to:	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO 01	Describe sociological concepts applicable to nursing	3	3	2	2	1	1	1	1	1	2
CO 02	Determine role of sociology in nursing as related to social institutes in India.	3	2	2	2	1	1	1	3	2	3
CO 03	Develop positive attitudes towards individual family and community	3	2	3	3	2	1	1	1	1	2
<b>Course-wise PO Average</b>		<b>3.000</b>	<b>2.333</b>	<b>2.333</b>	<b>2.333</b>	<b>1.333</b>	<b>1.000</b>	<b>1.000</b>	<b>1.667</b>	<b>1.333</b>	<b>2.333</b>

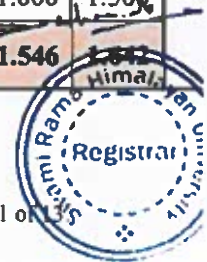
Course Code	Course Title	CO-PO Mapping (Articulation Matrix)									
PBN207	Environment Science										
CO#	At the end of the course the students will be able to:	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO 01	Creating awareness among the students	1	1	1	1	1	1	1	2	1	1
CO 02	Exposing basic knowledge about the environment and its associated problems	1	1	1	1	1	1	1	1	1	2
CO 03	Developing and attitude of concern for the environment	1	1	1	1	1	1	1	2	1	1
CO 04	Developing skills in students to identify and solve environmental problems	1	1	1	1	1	1	1	1	1	2
<b>Course-wise PO Average</b>		<b>1.000</b>	<b>1.000</b>	<b>1.000</b>	<b>1.000</b>	<b>1.000</b>	<b>1.000</b>	<b>1.000</b>	<b>1.500</b>	<b>1.000</b>	<b>1.500</b>



**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	PBN101	Biochemistry and Biophysics	2.000	2.000	1.500	1.000	1.500	2.500	2.000	2.000	2.500	2.000
2	PBN102	Child Health Nursing	2.500	2.750	2.250	1.750	1.500	1.750	1.500	1.500	1.000	1.000
3	PBN103	English	1.000	1.000	1.000	3.000	1.000	2.000	1.000	1.000	1.000	2.000
4	PBN104	Maternal Nursing	2.429	2.571	1.571	2.000	1.429	1.429	1.143	1.857	1.857	1.714
5	PBN105	Medical Surgical Nursing	2.714	2.143	2.000	2.143	1.429	1.000	1.000	1.571	1.000	2.000
6	PBN106	Microbiology	1.600	2.400	2.400	1.200	1.400	1.000	1.000	1.400	2.200	1.400
7	PBN107	Nursing Foundation	2.143	1.714	1.571	1.286	1.429	1.714	0.857	2.143	1.429	1.857
8	PBN108	Nutrition & Dietetics	2.250	2.500	2.000	1.250	1.250	2.500	1.500	1.000	1.500	1.500
9	PBN109	Psychology	2.000	1.600	2.000	1.600	1.600	2.000	1.800	1.400	1.600	1.600
10	PBN201	Community Health Nursing	2.167	2.667	2.500	2.833	2.000	2.500	1.500	1.833	1.500	1.833
11	PBN202	Introduction to Nursing Administration	1.857	1.429	2.000	2.429	1.714	1.286	1.429	1.714	1.714	1.143
12	PBN203	Introduction to Nursing Education	1.429	1.714	1.143	1.571	1.714	1.714	1.286	1.571	1.429	1.286
13	PBN204	Introduction to Nursing Research & Statistics	1.556	2.333	1.444	1.889	2.000	1.222	2.000	1.667	2.333	1.444
14	PBN205	Mental Health Nursing	2.222	2.222	1.778	1.222	1.222	1.333	1.000	1.444	1.333	1.667
15	PBN-206	Sociology	3.000	2.333	2.333	2.333	1.333	1.000	1.000	1.667	1.333	2.333
16	PBN207	Environment Science	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.500	1.000	1.500
<b>Combined Course-wise Average of POs Reference values</b>			<b>1.992</b>	<b>2.024</b>	<b>1.781</b>	<b>1.782</b>	<b>1.470</b>	<b>1.622</b>	<b>1.313</b>	<b>1.579</b>	<b>1.546</b>	<b>1.842</b>





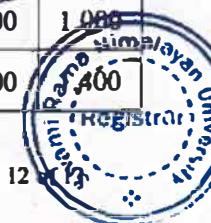
**D. Assessment of CO and PO Attainment Value**

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 marks distribution of the assessment. For the 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
1	PBN101	Biochemistry and Biophysics	3.000	2.000	2.000	1.500	1.000	1.500	2.500	2.000	2.000
2	PBN102	Child Health Nursing	3.000	2.500	2.750	2.250	1.750	1.500	1.750	1.500	1.500
3	PBN103	English	2.250	0.750	0.750	0.750	2.250	0.750	1.500	0.750	0.750
4	PBN104	Maternal Nursing	3.000	2.429	2.571	1.571	2.000	1.429	1.429	1.143	1.857
5	PBN105	Medical Surgical Nursing	3.000	2.714	2.143	2.000	2.143	1.429	1.000	1.000	1.571
6	PBN106	Microbiology	3.000	1.600	2.400	2.400	1.200	1.400	1.000	1.000	1.400
7	PBN107	Nursing Foundation	2.300	1.643	1.314	1.204	0.986	1.096	1.314	0.657	1.643
8	PBN108	Nutrition & Dietetics	3.000	2.250	2.500	2.000	1.250	1.250	2.500	1.500	1.000
9	PBN109	Psychology	3.000	2.000	1.600	2.000	1.600	1.600	2.000	1.800	1.400



1.1.1 Outcome Analysis of POs, COs – PPB Nursing (2020-2022)

10	PBN201	Community Health Nursing	2.750	1.986	2.445	2.292	2.597	1.833	2.292	1.375	1.680
11	PBN202	Introduction to Nursing Administration	3.000	1.857	1.429	2.000	2.429	1.714	1.286	1.429	1.714
12	PBN203	Introduction to Nursing Education	3.000	1.429	1.714	1.143	1.571	1.714	1.714	1.286	1.571
13	PBN204	Introduction to Nursing Research & Statistics	3.000	1.556	2.333	1.444	1.889	2.000	1.222	2.000	1.667
14	PBN205	Mental Health Nursing	3.000	2.222	2.222	1.778	1.222	1.222	1.333	1.000	1.444
15	PBN-206	Sociology	3.000	3.000	2.333	2.333	2.333	1.333	1.000	1.000	1.667
16	PBN207	Environment Science	3.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.500
Combined Course-wise Average of POs Reference values				1.934	1.969	1.729	1.701	1.423	1.552	1.278	1.523
Course-wise Average of POs Reference values				1.992	2.024	1.781	1.782	1.470	1.622	1.313	1.579
Percentage Attainment of PO's				97.1%	97.3%	97.1%	95.5%	96.8%	95.7%	97.3%	96.4%

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:

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

*[Signature]*

