



ہائیر ایجوکیشن کمیشن

HIGHER EDUCATION COMMISSION

Government of Pakistan, Islamabad

Sector H-9
Islamabad, Pakistan
Phone : +92-51-90402111
www.hec.gov.pk
hkasi@hec.gov.pk

Deputy Director (Curriculum)
Academics Division

No. HEC/NCRC/PEDIATRIC-NURSING/2025/7368
April 15, 2025

SUBJECT: REVISED CURRICULUM FOR DEGREE PROGRAMS IN PEDIATRIC NURSING

The Higher Education Commission (HEC) of Pakistan, as mandated by its law, provides guidance to Higher Education Institutions (HEIs) on curricula for tertiary education levels in alignment with the National Qualifications Framework (NQF). To address evolving academic trends and market demands, HEC in collaboration with University of Child Health Sciences, Lahore has revised the curriculum standards for Pediatric Nursing degree programs at NQF levels 6 i.e, BS Pediatric Nursing and Post RN Pediatric Nursing. These updated standards are aligned with HEC's Undergraduate Education Policy V 1.1 (2023), ensuring coherence with national priorities and adherence to international benchmarks.

2. The revised curricula for Pediatric Nursing degree programs, incorporating option for advanced elective are hereby notified. Universities offering these programs are advised to align their Pediatric Nursing curricula with these updated standards as a minimum requirement. Additionally, the respective departments must develop course content in accordance with the prescribed framework, ensuring that the programs address both national and local child health care requirements. The finalized course content should be submitted electronically to this office at the earliest. An electronic copy of the revised curricula is available on HEC's official website.

HIDAYATULLAH KASI

Vice Chancellors/Rectors/Heads

All Public/Private Sector Universities/DAIs

Copy for information to:

- i. ES to Chairman, Higher Education Commission, Islamabad
- ii. ES to Executive Director, Higher Education Commission, Islamabad
- iii. PS to President PNMC
- iv. PS to VC University of Child Health Sciences, Lahore
- v. PS to Consultant, Quality Assurance, Higher Education Commission, Islamabad
- vi. PS to Managing Director, NAHE, Higher Education Commission, Islamabad
- vii. PS to Advisor, Human Resource Development Division, Higher Education Commission, Islamabad
- viii. PS to Director General, Academics Division, Higher Education Commission, Islamabad
- ix. PS to Director General, A&A Division, Higher Education Commission, Islamabad
- x. PS to Director General, Higher Education Commission, Regional Centers in Karachi, Lahore, Peshawar & Quetta
- xi. Director, Academics Division, Higher Education Commission, Islamabad
- xii. Director / In-charge, Higher Education Data Repository, Higher Education Commission, Islamabad
- xiii. Director / In-charge, Quality Assurance Agency, Higher Education Commission, Islamabad

CURRICULUM
OF
BS | POST RN
PEDIATRIC NURSING

(2025)



**A COLLABORATIVE VENTURE OF
HIGHER EDUCATION COMMISSION
&
UNIVERSITY OF CHILD HEALTH SCIENCE, LAHORE
GOVERNMENT OF PAKISTAN**

Prepared by:
Subject Experts
Different Universities

Facilitated by:
Mr. Hidayatullah Kasi
Deputy Director, Academics Division
Higher Education Commission

Design, Composed and Edited by:
Mr. Tanveer Ali
IT Administrator, Academics Division
Higher Education Commission

Coordinated by:
Mr. Atif Wazir, Superintendent, Academics Division
Muhammad Naeem, Assistant, Academics Division
Higher Education Commission

TABLE OF CONTENTS

Contributions	iv
Preface	v
Guiding Principles	1
Minimum standards	1
Course sequences, Titles & credits	1
Course learning outcomes	1
Course syllabus	1
General Education	1
Requirements of Field Experience/Internship	1
Requirements for Capstone Project	2
Recommended Nomenclature	2
Eligibility Criteria	2
Program Description	2
Need for Pediatric Nursing Program	2
Need for Pediatric Nursing Program	2
Scope of Pediatric Nurse	2
Public Sector	3
Private Sector	3
Teaching /Learning Strategies	3
Assessment Tools for Practical, Clinical and Human (soft) Skill	4
Aims of the Course	4
Program Learning Outcomes	4
Specific Competencies	4
Break-up of Courses in BS Pediatric Nursing Program	5
Interdisciplinary Courses	5
Major Courses offered in BS Pediatric Nursing Program	6
Scheme of Studies	7-10
Recommendations	10
Workshops	10
Requirement of Internship of BS Pediatric Nursing Program	11
Degree Award Requirements	11
Post RN BS Pediatric Nursing	12
Program Structure	12
Standardized Scheme of study	12-14
Course Learning Outcomes	15
Microbiology	15
Biochemistry	15
Functional English	15
Fundamental of Pediatric Nursing-I	15
Anatomy & Physiology-I	16
Ideology & Constitution of Pakistan	16
Application of ICT & AI tools in Nursing	16
Fundamental of Nursing-II	16
Quantitative Reasoning-I	17

Anatomy & physiology II	17
Applied Nutrition	17
Theoretical Basis of Nursing	17
Islamic Studies	18
Professional communication Skills	18
Clinical Pharmacology & Pediatric Drug Administration-I	18
Child Health Nursing-I	18
Child Health Assessment-I	19
Pathology -I	19
Applied Psychology	19
Child Health Nursing-II	20
Child Health Assessment-II	20
Pathology -II	20
Clinical pharmacology & Pediatric drug administration -II	21
Mathematics in Pediatrics	21
Professional Ethics for Nurses	21
Civics & Community engagement	21
Child Health Nursing-III	22
Embryology	22
Perinatal Nursing	22
Epidemiology	23
Pediatric Infectious Diseases	23
Pakistan Studies	23
Research in Nursing	24
Community Pediatrics & Public Health nursing	24
Developmental & Behavioral of Pediatrics	24
Quantitative Reasoning- II (Biostatistics)	25
Social Sciences (Culture, health & Society)	25
Trends and Issues in Child Health care	25
Operation theater Nursing	25
Leadership & Management	26
Pediatric Critical care Nursing	26
Entrepreneurship	26
Child & Adolescent Psychiatry	27
Research Report	27
Community Health Nursing	27
Principle of Teaching & Learning	28
Neonatal Nursing	28
Expository Writing	28
Nursing Informatics	28
Clinical Practicum	29
Nursing Management	29

CONTRIBUTIONS

1. Prof. Dr. Junaid Rashid, Pro-Vice Chancellor/Dean, CHL, UCHS, Lahore
2. Prof. Dr. Muhammad Khalid Masood, Prof. of Pediatric Medicine & Allied Specialties, UCHS, Lahore
3. Mst. Afshan Nazli, Representative of PN&MC Curriculum Review Committee, Director, Zia-ud-Din University, Karachi
4. Mst. Alia Nasir (Online), Principal, College of Nursing Hamdard University, Karachi
5. Prof. Capt. Yasmeen Saggi, Dean/Principal Foundation University College of Nursing, Islamabad
6. Dr. Maryam Sarfraz, Associate Professor, Health Services Academy, Islamabad
7. Mst. Rehana Elahi, Director, Nursing, Shaukat Khanum Memorial Cancer Hospital & Research Center, Lahore
8. Dr. Samina Manzoor, Head of Nursing, University of Health Sciences, Lahore
9. Mst. Azra Parveen, Principal, College of Nursing, Sahara for Trust Hospital, Lahore
10. Mst. Zarnigar, Vice Principal, College of Nursing, University of Child Health Sciences, Lahore
11. Mr. Sarfraz Masih, Principal, College of Nursing, University of Lahore
12. Mst. Nimra Asif (Online), Assistant Dean, Undergraduate Programs, Pediatric Health Nursing, Agha Khan University, Karachi
13. Mst. Tazeem Akhter (Online), Nursing Instructor, State College of Nursing Hamdard University, Karachi

PREFACE

The curriculum, with varying definitions, is said to be a plan of the teaching-learning process that students of an academic program are required to undergo to achieve some specific objectives. It includes a scheme of studies, objectives & learning outcomes, course contents, teaching methodologies and assessment/ evaluation. Since knowledge in all disciplines and fields is expanding at a fast pace and new disciplines are also emerging; it is imperative that curricula be developed and revised accordingly.

Higher Education Commission, since its inception, has been involved in developing /revising the curricula on periodic basis through National Curriculum Revision Committees (NCRs) comprising of eminent academics, researchers from HEC recognized universities/DAIs, professional councils, R&D organizations of repute and industry professionals. So far, HEC has developed and revised curricula of 150+ disciplines for undergraduate and graduate programs in various fields of Natural Sciences, Applied Sciences, Social Sciences, Art & Humanities, Engineering & Technology, Medical, Allied Health Sciences, Agriculture, Computing, Law, and Administration.

Over the period of time, labor markets in the world have substantially changed, hence, the demand for workforce skills has also altered. Due to these transformations, there is a need to produce well-rounded individuals who not only have the required knowledge base of specific discipline but also possess the required skills to increase their market readiness for them to contribute to the overall socio-economic development of the country. HEC has introduced the Undergraduate Education Policy 2023, which provides an overarching framework for undergraduate programs. This curriculum document is prepared in light of the UGE Policy 2023.

Dr. Amjad Hussain
Director General
Academics Division

BACHELOR OF SCIENCE IN PEDIATRIC NURSING

Guiding Principles

Minimum Standards

The curriculum standards and guidelines prescribed under this policy are mandatory at minimum level. Universities or the concerned departments may however set higher standards provided that the standards prescribed herein are not reduced or compromised.

Course Sequence, Titles and Credits

For BS in Pediatric Nursing, the sequence of courses prescribed under this document is logically arranged and is suggestive only. The offering department may rearrange the sequence and alter the course titles and credits provided that the essence of the courses prescribed in policy remains intact. The department may add more courses as and when required subject to approval of university's relevant statutory body.

Course Learning Outcomes

Course learning outcomes (CLOs) are the bare minimum standards of learning that students must achieve upon completing a specific course. These outcomes serve as essential benchmarks, ensuring consistency in the quality of education across institutions. The CLOs prescribed herein represent the minimum level of competency and understanding expected from students. While these standards must not be compromised, departments are encouraged to enhance the rigor of the CLOs by incorporating additional learning outcomes, provided these do not alter the essence of the prescribed standards. In this policy, CLOs are exclusively developed for major field courses within the program. For interdisciplinary courses, departments offering these courses are responsible for developing their CLOs in alignment with their respective disciplines and program requirements. Moreover, CLOs for elective courses are not prescribed here, as these are advanced or specialized courses. The development of CLOs for electives is the responsibility of the respective departments, taking into account the course's advanced nature and relevance to the program. For general education courses as required under the HEC Undergraduate Education Policy V 1.1., departments may adopt the CLOs prescribed in the HEC-developed model courses.

Course Syllabus

This document serves as a comprehensive guideline describing the course learning outcomes (CLOs) for each course offered in the BS in Pediatric Nursing as minimum standards. The offering department is mandated to meticulously prepare, modify, and tailor the syllabus of each course, ensuring alignment with the stipulated learning outcomes. It is in this regard imperative that the department utilizes instructional, reference, and reading materials that it deems appropriate to effectively meet the CLOs.

General Education

For BS in Pediatric Nursing, the courses prescribed for General Education component must mandatorily be offered with the same titles and credits as prescribed under HEC Undergraduate Education Policy V 1.1. The concerned departments may adopt and follow the learning outcomes and study contents developed by HEC for these courses as available on its website.

Requirement of Field Experience

It is a mandatory degree award requirement of six (06) months for BS in Pediatric Nursing which may be offered during semester break or after completing the 8th semester. This requirement cannot be substituted with additional course work, capstone or project work.

Requirement of Capstone Project

It is a mandatory degree award requirement of three (03) credit hours for BS in Pediatric Nursing. A capstone project is multifaceted body of work that serves as a culminating academic and intellectual experience for students. The capstone project must be supervised and graded by a faculty member as per the protocols prescribed by the concerned department. This requirement cannot be substituted with additional course work or internship.

Recommended Nomenclature

For the sake of standardization, all the undergraduate degree programs (NQF level 6 qualifications) in the discipline of Pediatric Nursing must have the title of **“Bachelor of Science in Pediatric Nursing”**, and henceforth, degree programs at equivalent level with same purpose and scope having different nomenclatures shall accordingly be renamed.

Eligibility Criteria

HSSC/A-levels/Equivalent (12 years of schooling) in Pre-Medical Group with minimum of 50% marks is the basic eligibility for the BSN program. Admitting university may conduct entry test through its own testing body or other as per its own approved screening/admission criteria.

Program Description

The Pediatric Nursing is a 04-year Degree program leading to practice as a Registered Nurse Specialist. Upon completion of this program the graduate is prepared to be a safe clinical pediatric nurse, who will be able to provide comprehensive care at primary, secondary and tertiary levels within hospitals including critical care pediatric settings.

Pediatric Nursing Degree program is to produce nurses who can apply a multidisciplinary approach in nursing practice through an integrated educational program. This program is intended to foster critical thinking, knowledge-based actions, and personal as well as professional development among the nurses, in order to enable them to implement their knowledge and skills with the ever-changing context of health care.

Need for Pediatric Nursing Program

Children and their families/guardians have a right to know that the nurse who is looking after their child is specifically educated and competent to do so. It is important to dedicate learning modules to the ‘care of the child’ and to focus on the provision of both psychological and physical support services for children, young people and their families. To understand this and to foster change, it is important to map existing educational requirements and study the content of nursing curricula, being aware of the fact that professional competencies are always more than the sum of these parts. A better understanding of child-related content in nursing curricula can contribute to the further development of nurse education, which can in turn improve health care delivery to children and their families. Keeping in view the importance of the child health, there is a need of Pediatric nurse who is specialized in caring for patients from birth through adolescence. They must have a deep knowledge of child growth and development, as diseases and conditions in children are treated differently than in adults.

Pediatric Nursing is a specialty within the field of Nursing, there are 19 pediatric subspecialties recognized in the area of medicine. The Nurses are required to have pediatric training or experience in order to serve as key personnel to perform pediatric care.

Scope of Pediatric Nurse

Individuals well suited to a career as a Pediatric Nurse is likely to have the following career opportunities:

- Nurse Practitioner

- Nurse educationist
- Nurse researcher
- Public health nurse
- Clinical nurse manager
- Nurse administrator

Nurses have the responsibility in providing nursing interventions either in ambulatory or institutional settings.

- Ambulatory setting such as home, school and pediatric and relevant specialty physician's clinic
- Institutional settings are mainly hospitals general with pediatric wards and/or specialized pediatric hospitals.

Public Sector

- Public health department
- School health nursing
- Community health centers
- Research and teaching institutions

Private Sector

- Private Hospitals
- Health care centers
- Non-Government organization
- International organization: UNICEF, UNDP, WHO

Teaching /Learning Strategies

- The instructional strategies that may be used for theoretical knowledge acquisition include:
- Interactive Lectures
- Problem Solving Exercises
- Small Group Sessions and Tutorials.
- Case based learning
- The instructional strategies that may be used for theoretical knowledge acquisition include:
- Lab practical
- Skill lab
- Simulated patients
- Demonstration
- Bedside teaching
- Case presentation
- ASSESSMENT TOOLS FOR THEORY
- Multiple choice questions (MCQ)
- Structured essay questions (SEQ)
- Reflective paper
- Assignment
- Presentation

Assessment Tools for Practical, Clinical and Human (soft) Skill

- Objective Structured Practical Examination (OSPE)
- Objective Structured Clinical Examination (OSCE)
- Structured viva
- Short case
- Log book
- Portfolio
- Feedback (simple or 360 degree)

Aims, Objectives & Learning Outcome

Aims of the Course

The aims of this program are to:

1. Provide a competent Pediatric Nurse who provides holistic care to the pediatric patients and prepare them for working in neonatology, emergency and all type of Pediatrics Units.
2. Enable the Pediatric graduate nurses who will be skilled in making clinical assessment, interpretation of clinical findings and taking appropriate decision and action in integrated patient care.
3. Demonstrate the advance competency integrated with knowledge and skills by using systematic approaches to the nursing care.
4. Provide an educational framework that will encourage the student to develop analytical skills, critical thinking and creative approach for holistic nursing care.

Program Learning Outcomes (PLOs)

On completion of the four year Bachelor of Sciences in Pediatric Nursing program, the learner should be able to:

1. Apply the learnt knowledge in providing nursing care to children, families and communities.
2. Demonstrate decision making, critical thinking in diverse clinical situations for quality nursing care.
3. Communicate effectively with children, families and members of health team in order to promote effective interpersonal relationships and team work.
4. Demonstrate leadership and managerial skill in clinical and community health setting.
5. Conduct evidence- based research studies in various setting and utilize the research findings to improve the quality of care.
6. Practice within the framework of code of conduct and professional conduct and acceptable standards of practice within the legal boundaries.

Specific Competencies

Professional Pediatric and Child Health Nursing Practice Competencies include:

1. Functions in accordance with legislation, common law, health standards and policies pertinent to pediatric and child health nursing practices.
2. Demonstrates ethically justifiable Pediatric and child health nursing practice.
3. Provides care that protects the rights of the child in accordance with the United Nation Convention on the Rights of the Child and their families as consumers of health care.
4. Maintains a specific age and developmentally appropriate environment that promotes safety, security and optimal child health.
5. Respects the dignity and integrity of the child and family including their values, spiritual

- and cultural beliefs.
6. Demonstrates a comprehensive knowledge of pediatric and child health nursing supported by both experience and utilization of specific knowledge.
 7. Effectively co-ordinates and manages the nursing and/or health care of the child and family, recognizing the unique needs of the child and the role of the family in care.
 8. Utilizes a reflective, critical thinking and problem solving approach to the nursing care of the child that is evidence-based, promotes clinical decision making and enables the development and application of clinical protocols.
 9. Supports and facilitates the child and family to make informed decisions by providing appropriate information, support and options regarding health and nursing care.
 10. Provides care that is directed to achieving health gains/wellness for the child using a variety of widely supported traditional and complementary nursing therapies.

Demonstrates knowledge of primary health care, health promotion, and continuity of care and incorporates this approach into practice to improve the health and well-being of the child and family.

Break-up of General Education in BS Pediatric Nursing Program:

Courses		Credits
Functional English		3
Expository Writing		3
Professional Communication Skills		3
Quantitative Reasoning 1		3
Quantitative Reasoning 2 (Bio-Statistics)		3
Islamic Studies		2
Ideology and Constitution of Pakistan		2
Application of ICT & AI tools in Nursing		2
Entrepreneurship		2
Civics and Community Engagement		2
Pakistan Studies		2
Natural Science	Microbiology	2
	Biochemistry	2
Social Science (Culture, Health and Society)		2
Arts & Humanities: (Theoretical Basis of Nursing)		2
Fehm-e-Quran (for Muslim students) - I & II		2
Total		37

Interdisciplinary Courses:

Courses	Credits
Applied Nutrition	2
Applied Psychology	3
Epidemiology	2
Pediatric Infectious Diseases	2
Principles of Teaching and Learning	3
Leadership and Management	3
Total	15

Major Courses offered in BS Pediatric Nursing Program:

Courses	Credits
Fundamentals of Pediatric Nursing-I	4
Fundamentals of Pediatric Nursing-II	4
Anatomy & Physiology - I	3
Anatomy & Physiology - II	3
Clinical Pharmacology and Pediatrics Drug administration-I	2
Clinical Pharmacology and Pediatrics Drug administration-II	2
Child Health Nursing-I	6
Child Health Nursing-II	6
Child Health Assessment-I	2
Child Health Assessment-II	2
Pathology-I	3
Pathology-II	2
Professional Ethics for Nurses	2
Child Health Nursing-III	6
Embryology	2
Perinatal Nursing	3
Community Pediatrics & Public Health Nursing	4
Developmental & behavioral of pediatrics	3
Child & adolescent psychiatry	3
Pediatric Critical Care Nursing	6
Research in Nursing	3
Neonatal Nursing	3
Trends and Issues in Child Health Care	2
Clinical Practicum/Capstone Project	3
Mathematics in Pediatric Nursing	1
Nursing Informatics	3
Research Report	3
Elective-I	2
Elective-II	2
Elective-III	2
Total	92

Scheme of Studies (8 Semesters)

Bachelor of Science in Pediatric Nursing program is comprised of **144** credit hours spread over a minimum of four years duration. The broader framework of the BSN in Pediatric program is given below:

Credit Hours	144
General Education	37 (16 Courses)
Major	92 (25 Course, 03 Electives)
Interdisciplinary/Allied Courses	15 (06 Courses)
Program Duration	4-6 years (extendable to another 1 year in special cases with the approval of university statutory body)
Semester Duration	16-18 weeks (1-2 weeks for examination)
Course Load	As per HEC Semester Guidelines
Summer Semester Credit Hours	Maximum 8 (for remedial/deficiency/failure/repetition courses)
Summer Semester Duration	8-9 weeks
Attendance	75 %
3 Credit Hours (Theory)	3 classes (1 hour each) OR 2 classes (1.5 hour each) OR 1 class (3 hours)
1 Credit Hour (Practical / Laboratory / Field)	3 hours
Program Duration	Minimum: 4 Years Maximum: 6 Years (Further extendable to another year subject to the approval of the university's statutory body following the provisions of HEC Undergraduate Education Policy 2023 V 1.1)
Semester Duration	16-18 weeks for regular semesters (1-2 weeks for examination) 8-9 weeks for summer semesters (1 week for examination)
Policy for Probation in Semester	<p>i) The students acquiring less than 2.00/4.00 GPA in a semester but passing in all papers will be conditionally promoted in the next semester but remain on probation.</p> <p>ii) The probation in the next semester shall be terminated if the student achieves minimum 2.0 GPA.</p> <p>iii) The students acquiring GPA 1.7 and above but failing in any paper(s) will be placed on probation and promoted to the next semester conditionally. They will have to be registered for summer semester to improve the grade.</p> <p>iv) Students acquiring GPA less than 1.7 in two consecutive semesters and failing in any paper(s) even after attending summer semester for one academic year will be dropped from university rolls. If the above-condition is not met, the student shall continue with probation.</p>

The standard scheme of studies for BS in Pediatric Nursing is given as under:

SEMESTER I						
S. N.	Course	Category	Theory	Clinical	Skills/Lab	Credits
1	Natural Science: Microbiology	GE (NS)	1.5	-	0.5	02
2	Natural Science: Biochemistry	GE	1.5	-	0.5	02
3	Functional English	GE	03	-	-	03
4	Fundamentals of Pediatric Nursing– I	Major	02	01	01	04
5	Anatomy & Physiology – I	Major	2.5	-	0.5	03
6	Ideology and Constitution of Pakistan	GE	02	-	-	02
7	Application of ICT & AI tools in Nursing	GE	01	-	01	02
Total Credits = (18)						

SEMESTER II						
S. N.	Course	Category	Theory	Clinical	Skills/Lab	Credits
1	Fundamentals of Pediatric Nursing – II	Major	02	01	01	04
2	Quantitative Reasoning-I	GE	03	-	-	03
3	Anatomy & Physiology II	Major	2.5	-	0.5	03
4	Applied Nutrition	IDS	02	-	-	02
5	Theoretical Basis of Nursing (Arts & Humanities)	GE	02	-	-	02
6	Islamic Studies /Ethics	GE	02	-	-	02
7	Fehm-e-Quran - I (for Muslim students)	GE	01	-	01	01
Total Credits = (17)						

SEMESTER III						
S. N.	Course	Category	Theory	Clinical	Skills/Lab	Credits
1	Professional Communication Skills	GE	03	-	-	03
2	Clinical Pharmacology and Pediatric Drug administration-I	Major	02	-	-	02
3	Child Health Nursing-I	Major	02	03	01	06
4	Child Health Assessment-I	Major	01	-	01	02
5	Pathology-I	Major	02	-	01	03
6	Fehm-e-Quran - II (for Muslim students)	GE	01	-	01	01
Total Credits = (17)						

SEMESTER IV						
S. N.	Course	Category	Theory	Clinical	Skills/Lab	Credits
1	Applied Psychology	IDS	03	-	-	03
2	Child Health Nursing-II	Major	02	03	01	06
3	Child Health Assessment-II	Major	01	-	01	02
4	Pathology-II	Major	02	-	-	02
5	Clinical Pharmacology and Pediatric Drug administration-II	Major	02	-	-	02
6	Mathematics in Pediatric Nursing	Major	01	-	-	01
7	Professional Ethics for Nurses	Major	02	-	-	02
Total Credits = (18)						

SEMESTER V						
S. N.	Course	Category	Theory	Clinical	Skills/Lab	Credits
1	Civics and Community Engagement	GE	02	-	-	02
2	Child Health Nursing-III	Major	02	03	01	06
3	Embryology	Major	1.5	-	0.5	02
4	Perinatal Nursing	Major	02	01	-	03
5	Epidemiology	IDS	02	-	-	02
6	Pediatric Infectious Diseases	IDS	02	-	-	02
7	Pakistan studies	GE	02	-	-	02
Total Credits = (19)						

SEMESTER VI						
S. N.	Course	Category	Theory	Clinical	Skills/Lab	Credits
1	Research in Nursing	Major	03	-	-	03
2	Community Pediatrics & Public Health Nursing	Major	02	02	-	04
3	Developmental & behavioral of pediatrics	Major	02	01	-	03
4	Biostatistics	GE (QR II)	03	-	-	03
5	Culture, Health & Society	SS	02	-	-	02
6	Trends and Issues in Child Health Care	Major	02	-	-	02
7	Elective - I	Major	02	-	-	02
Total Credits = (19)						

SEMESTER VII						
S. N.	Course	Category	Theory	Clinical	Skills/Lab	Credits
1	Leadership & Management	IDS	02	01	-	03
2	Pediatric Critical Care Nursing	Major	02	03	01	06
3	Entrepreneurship	GE	02	-	-	02
4	Child & adolescent psychiatry	Major	02	-	01	03
5	Research Report	Major	03	-	-	03
6	Elective - II	Major	02	-	-	02
Total Credits = (19)						

SEMESTER VIII						
S. N.	Course	Category	Theory	Clinical	Skills/Lab	Credits
1	Principles of Teaching & Learning	IDS	03	-	-	03
2	Neonatal Nursing	Major	1.5	1.5	-	03
3	Expository Writing	GE	03	-	-	03
4	Nursing Informatics	Major	02	-	01	03
5	Clinical Practicum	Capstone Project	-	03	-	03
6	Elective - III	Major	02	-	-	02
Total Credits = (17)						

Recommendations

BS Pediatric Nursing programs can only be offered in institutions which have relevant faculty, infrastructure, required labs and having affiliations with children's hospitals (minimum of 200 beds) for clinical practice.

Note: Internships of three (03) credit hours must be completed in accordance with HEC Undergraduate Education Policy V 1.1. This requirement cannot be substituted with additional coursework, capstone, research, or project work.

* The university may use HEC-designed model courses.

** The university/offering department may offer any course within the broader subject domain/cluster to meet the given credits.

*** The university/offering department may offer any advanced course in Pediatric Nursing as an elective based on available academic and physical resources, depending on its geographical location and program objectives.

Workshops

For Faculty: The faculty of various teaching programs will undergo various generic and specific trainings/workshops as part of requirement for continuous Nursing education and faculty development. They will undergo the following mandatory workshops:

1. Research Methodology and Biostatistics
2. Communication Skills

3. Assessment of Competence
4. Education Planning and Evaluation
5. Professionalism, Ethics & Leadership

For Students: Workshops are meant to give hands-on training on mandatory competencies required during the educational program. Following are mandatory workshops for all students of BS Pediatric Nursing.

1. BLS (Basic Life Support)
2. Computer, Information Technology & Artificial Intelligence (AI)
3. Research Methodology and Biostatistics
4. Communication Skills, Professionalism, Ethics & Leadership

Requirement of Internship of BS Pediatric Nursing Program

Six (06) months of paid internship after the completion of all the credits requirements of the BS Pediatric Nursing degree. Placement for internship is the responsibility of the institute offering the program.

Degree Award Requirements

The following minimum requirements are prescribed for the award of a Bachelor of Science (BS) in Pediatric Nursing:

- a) All courses in the General Education category must be completed as prescribed by HEC Undergraduate Policy 2023 V 1.1.
- b) As prescribed in this policy, a minimum of 142 credit hours must be completed in a minimum of 08 semesters spread over a minimum of four years.
- c) The capstone project (03 credit hours) must be completed following HEC-prescribed guidelines for the degree award. This requirement cannot be substituted with additional coursework.
- d) Internships of three (03) credit hours must be completed in accordance with HEC Undergraduate Education Policy V 1.1. This requirement cannot be substituted with additional coursework, capstone, research, or project work.
- e) CGPA must not be below 2.00/4.00 at the completion of the degree program. The university may, however, set a higher standard in this regard.

Post RN BS Pediatric Nursing

Program Structure

Post RN BS Pediatric Nursing program is comprised of **75** credit hours spread over a minimum of two years duration. The framework of the Post RN Pediatric Nursing program is given below:

Credit Hours	75
General Education	23 (10 Courses) University will ensure that rest of GE courses are covered by students in previous study
Major	43 (16 Course)
Interdisciplinary/Allied Courses	07 (03 Courses)
Program Duration	02 years
Semester Duration	16-18 weeks (1-2 weeks for examination)
Course Load	As per HEC Semester Guidelines
Summer Semester Credit Hours	Maximum 8 (for remedial/deficiency/failure/repetition courses)
Summer Semester Duration	8-9 weeks
Attendance	75 %
3 Credit Hours (Theory)	3 classes (1 hour each) OR 2 classes (1.5 hour each) OR 1 class (3 hours)
1 Credit Hour (Practical / Laboratory / Field)	3 hours

Standardized Scheme of study for Post RN BSPN (Pediatric Nursing) is given below:

SEMESTER I						
S.N.	Course	Category	Theory	Clinical	Skills/Lab	Credits
1	Natural Science: Biochemistry	GE	1.5	-	0.5	02
2	Functional English	GE	03	-	-	03
3	Theoretical Basis of Nursing	GE	02	-	-	02
4	Clinical Pharmacology and Pediatrics Drug administration-I	Major	02	-	-	02
5	Child Health Nursing- I	Major	02	1.5	0.5	04
6	Pathology – I	Major	02	-	01	03
7	Culture, Health and Society	GE	02	-	-	02
Total Credits = (18)						

SEMESTER II						
S.N.	Course	Category	Theory	Clinical	Skills/Lab	Credits
1	Islamic Studies /Ethics	GE	02	-	-	02
2	Application of ICT & AI tools in Nursing	GE	01	-	01	02
3	Child Health Assessment – I	Major	01	-	01	02
4	Child Health Nursing-II	Major	02	1.5	0.5	04
5	Clinical Pharmacology and Pediatric Drug administration-II	Major	02	-	-	02
6	Embriology	Major	02	-	-	02
7	Perinatal Nursing	Major	02	01	-	03
8	Fehm-e-Quran - I (for Muslim students)	GE	01	-	01	01
Total Credits = (18)						

SEMESTER III						
S. N.	Course	Category	Theory	Clinical	Skills/Lab	Credits
1	Epidemiology	IDS	1.5	-	0.5	02
3	Infectious Diseases	IDS	02	-	-	02
4	Research in Nursing	Major	03	-	-	03
5	Community Pediatrics & Public Health Nursing	Major	02	01	-	03
6	Biostatistics	GE	03			03
7	Pakistan studies	GE	02	-	-	02
8	Teaching and Learning	GE	02	-	-	02
9	Fehm-e-Quran – II (for Muslim students)	GE	01	-	01	01
Total Credits = (18)						

SEMESTER IV						
S. N.	Course	Category	Theory	Clinical	Skills/Lab	Credits
1	Developmental & Behavioral pediatrics	Major	02	01	-	03
2	Pediatric Critical Care Nursing	Major	02	02	01	05
3	Research Project	Major	03	-	-	03
4	Child & adolescent psychiatry	Major	02	01	-	03
5	Neonatal Nursing	Major	1.5	0.5	-	02
6	Clinical Practicum	Capstone Project	-	02	-	02
7	Leadership & Management	IDS	02	01	-	03
Total Credits = (21)						

COURSE LEARNING OUTCOMES

For BS Pediatric Nursing

Semester –I

Natural sciences: Microbiology (GE)

Credits	Total = 02 Theory = 1.5 Skill/Clinical = 0.5
----------------	--

By the end of this course, students will be able to

- Classify common disease-causing microorganisms.
- Differentiate between different methods of microbe detection and destruction.
- Demonstrate infection control practices that prevent the spread of infection in a hospital and community environment.
- Demonstrate the skills learned in the laboratory to carry out simple laboratory experiments

Natural sciences: Biochemistry (GE)

Credits	Total = 02 Theory = 1.5 Skill/Clinical = 0.5
----------------	--

By the end of this course, students will be able to

- Apply chemical principals to biological phenomena.
- Develop knowledge of the structure and function of the major classes of biological molecules and their role in cellular structure, function and bioenergetics.
- Know the clinical outcomes of any change in the structure and functions of these biological Molecules.

Functional English (GE)

Credits	Total = 03 Theory = 03 Skill/Clinical = 00
----------------	--

By the end of this course, students will be able to:

- Apply enhanced English communication skills through effective use of word choices, grammar, and sentence structure.
- Comprehend a variety of literary / non-literary written and spoken texts in English.
- Effectively express information, ideas, and opinions in written and spoken English.
- Recognize inter-cultural variations in the use of English language and to effectively adapt their communication style and content based on diverse cultural and social contexts.

Fundamental of Pediatric Nursing-I (Major)

Credits	Total = 04 Theory = 02 Skill lab/Clinical = 01+01
----------------	---

By the end of this course, students will be able to:

- Explain History of nursing, its development, the principles of growth and development in children and identify common pediatric emergencies and appropriate nursing interventions.
- Recognize the importance of infection control in pediatric settings and demonstrate proper techniques for assessing pediatric vital signs.

- Perform basic nursing procedures such as bathing, feeding, and positioning pediatric patients also administer medications safely and accurately to pediatric patients.
- Assist with common diagnostic and therapeutic procedures for children.
- Demonstrate ethical, culturally sensitive care for pediatric patients, show professionalism and teamwork when working in pediatric healthcare settings.

Anatomy & Physiology-I (Major)

Credits Total = 03 | Theory = 2.5 | Skill lab/Clinical = 0.5

By the end of this course, students will be able to:

- Describe and correlate the structures and functions of the following systems of the human body.
 - i. Musculoskeletal system
 - ii. Integumentary system
 - iii. Circulatory system
 - iv. Digestive system
- Discuss the role of homeostasis in maintaining normal body functioning.
- Relate the basic anatomy & physiology concepts to the nursing care of clients.

Ideology & Constitution of Pakistan (GE)

Credits Total = 02 | Theory = 02 | Skill lab/Clinical = 00

By the end of this course, students will be able to:

- Demonstrate enhanced knowledge of the basis of the ideology of Pakistan with special reference to the contributions of the founding fathers of Pakistan.
- Demonstrate fundamental knowledge about the Constitution of Pakistan 1973 and its evolution with special reference to state structure.
- Explain about the guiding principles on rights and responsibilities of Pakistani citizens as enshrined in the Constitution of Pakistan 1973.

Application of ICT & AI tools in Nursing (GE)

Credits Total = 02 | Theory = 01 | Skill lab/Clinical = 01

By the end of this course, students will be able to:

- Define ICT and AI and their relevance in nursing.
- Identify various ICT and AI tools used in nursing and healthcare.
- Utilize electronic health records (EHR) for efficient patient documentation. and AI-driven decision support systems to improve patient outcomes.
- Use telemedicine and mobile health applications for remote patient monitoring. And Use AI to detect early warning signs of deterioration in patients.
- Apply ICT tools for medication management and error prevention.
- Understand ethical implications of AI and ICT in nursing.

Semester-II

Fundamental of Nursing-II (Major)

Credits Total = 04 | Theory = 02 | Skill lab/Clinical = 01+01

By the end of this course, students will be able to:

- Apply the Nursing Process Framework to Pediatric Care
- Utilize Critical Thinking and Clinical Judgment in Pediatric Care
- Engage in Communication and Collaboration with Families and the Healthcare Team also promote Health Education for Pediatric Patients and Families
- Understand Pediatric Functional Health Patterns and assess Growth, Development Across Age Groups
- Conduct Comprehensive Pediatric Health Assessments and analyze Common Pediatric Health Concerns
- Apply Evidence-Based Interventions and promote Pediatric Health and Well-being

Quantitative Reasoning-I (GE)

Credits Total = 03 | Theory = 03 | Skill lab/Clinical = 00

By the end of this course, students shall have:

- Fundamental numerical literacy to enable them work with numbers, understand their meaning, and present data accurately.
- Understanding of fundamental mathematical and statistical concepts.
- Basic ability to interpret data presented in various formats including but not limited to tables, graphs, charts and equations etc.

Anatomy & physiology II (Major)

Credits Total = 03 | Theory = 2.5 | Skill lab = 0.5

By the end of this course, students will be able to:

- Describe and correlate the structures and functions of the following systems of the human body.
 - Respiratory system
 - Urinary system
 - Sensory Nervous system
 - Endocrine system
 - Reproductive system
- Relate the basic anatomy & physiology concepts to the nursing care of client.

Applied Nutrition (IDS)

Credits Total = 02 | Theory = 02 | Skill lab = 00

By the end of this course, students will be able to

- Describe the role of Diet for the prevention & management of diseases.
- Apply the knowledge of nutrition in the management of nutritional needs of patients with chronic and long-term diseases.
- Plan a healthy balanced diet based on available resources and nutritional needs for the health, growth of the family members of different ages.

Arts & Humanities (Theoretical Basis of Nursing) (GE)

Credits Total = 02 | Theory = 02 | Skill lab = 00

By the end of this course, students will be able to:

- Discuss the structure and function of nursing theory, its need, and the purpose of

- development.
- Describe the historical context of nursing theoretical development.
 - Discuss the systematic development, description, and evaluation of theory.
 - Explain the relationship among theory, research, and practice.
 - Apply & examine the application of selected conceptual models and theories in nursing practice.

Islamic Studies (GE)

Credits Total = 02 | Theory = 02 | Skill lab = 00

By the end of this course, students will be able to:

- Demonstrate enhanced knowledge of Islamic foundational beliefs, practices, historical development, spiritual values, and ethical principles.
- Describe basic sources of Islamic law and their application in daily life.
- Identify and discuss contemporary issues being faced by the Muslim world including social challenges, gender roles and interfaith interactions.

Semester-III

Professional communication Skills (GE)

Credits Total = 03 | Theory = 03 | Skill lab = 00

By the end of this course, students will be able to

- Recognize concepts and actions that enhance listening skills, including restating, reflecting, clarifying, summarizing, and demonstrating empathy
- Recognize and employ communication methods verbal and nonverbal that are both effective and culturally sensitive, demonstrating emotional intelligence.
- Demonstrate assertiveness principles to express differences confidently, utilizing appropriate language.
- Exhibit understanding and application of therapeutic communication techniques.
- Identify the use of various communication tools, such as SBAR, PQRSTU, PACT, and DAIM etc. Utilize effective language for conflict management and dealing with hostility.

Clinical Pharmacology & Pediatric Drug Administration-I (Major)

Credits Total = 02 | Theory = 02 | Skill lab = 00

By the end of this course, students will be able to:

- Discuss the effects of different drugs on human body for example on gastrointestinal system, genitourinary system and immunology system
- Relate the knowledge of drug with in terms of indication of use which would include disorders of different systems
- Explain the rationale for using a particular drug/s for a patient.
- Select appropriate nursing interventions for drugs given in clinical situations.
- Utilize nursing process to evaluate the need for and the effectiveness of the drug/s given to the Patients.
- Calculate drug dosage accurately when administering oral and parental medications.

Child Health Nursing-I (Major)

Credits	Total = 06 Theory = 02 Skill lab=01Clinical = 03
----------------	--

By the end of this course, the student will be able to:

- Apply knowledge and understanding of theories of psychological development;
- Apply knowledge and understanding of social, cultural, ethnic and environmental factors in human development;
- Demonstrate knowledge of policies related to child abuse and/or child protection
- Work effectively with representatives of child protection agencies; practice at all times in such a way as to ensure children’s rights are protected; communicate effectively with children and with their families.

Child Health Assessment-I (Major)

Credits	Total = 02 Theory = 01 Skill lab/Clinical = 01
----------------	--

By the end of this course the learners will be able to:

- Define health assessment and its significance in pediatric care.
- Explain the differences between adult and pediatric health assessments.
- Describe the role of healthcare providers in pediatric health assessment.
- Assess the health status of an individual systematically by obtaining a complete health history using interviewing skills appropriately.
- Apply knowledge of growth & development, anatomy, physiology, & psychosocial l skills in the assessment & analysis of data collected.
- Apply therapeutic communication while history taking. Demonstrate skills of history taking in the clinical area.

Pathology -I (Major)

Credits	Total = 03 Theory = 02 Skill lab/Clinical = 01
----------------	--

By the end of this course the learners will be able to:

- Explain the fundamental concepts of homeostasis, cellular changes, inflammation, infection, healing, and abnormal immune responses.
- Relate the knowledge of anatomy and physiology to the disruptions in homeostasis resulting in a disorder or disease process.
- Differentiate between different disease processes occurring due to disruption in homeostasis and hematological disorders.
- Demonstrate interpretation of values of fluid, electrolyte, and acid-base balance as well as analyze how imbalances can promote disorder in the body.
- Integrate the knowledge of the basic principles of pathophysiology in caring for patients in hospital and community environments.
- Describe the patho physiological process of common health problems

Semester-IV

Applied Psychology (IDS)

Credits	Total = 03 Theory = 03 Skill lab/Clinical = 00
----------------	--

By the end of this course the learners will be able to:

- Describe basic concepts of Psychology.

- Demonstrate application of the learnt concepts in practicing nursing.
- Explain developmental Psychology and factors influencing human psychosocial development.
- Discuss human development through the life span with reference to the psychological, social and cognitive perspective.

Child Health Nursing-II (Major)

Credits Total = 06 | Theory = 02 | Skill lab= 1Clinical = 03

By the end of this course the learners will be able to:

- Describe common pediatric medical and surgical conditions, their patho physiology, and management.
- Recognize signs and symptoms of complications in children undergoing medical or surgical treatments.
- Develop nursing care plans for children with acute and chronic illnesses.
- Use evidence-based practice to guide decision-making in pediatric medical-surgical nursing.
- Evaluate the effectiveness of nursing interventions and adjust care plans accordingly.

Child Health Assessment-II (Major)

Credits Total = 02 | Theory = 01 | Skill lab/Clinical = 01

By the end of this course, the students will be able to:

- Assess the health status of an individual systematically by obtaining a complete health history using interviewing skills appropriately.
- Utilize proper techniques of observation and physical examination in assessing followings,
 - i. Peripheral Vascular and Musculoskeletal Systems,
 - ii. Mental Status and Sensory Neuro System,
 - iii. Cardio vascular System,
 - iv. Thorax and Lungs,
 - v. Eyes, &Ears.
- Apply proper techniques of observation and physical examination in assessment of an Elderly Client and Pediatric Client.
- Differentiate normal from abnormal patient findings.
- Demonstrate an awareness of the need to incorporate health assessment as part of their general nursing practice skills.
- Apply knowledge of growth & development, anatomy, physiology, & psychosocial skills in the assessment & analysis of data collected.

Pathology -II (Major)

Credits Total = 02 | Theory = 02 | Skill lab/Clinical = 00

By the end of this course, the students will be able to:

- Define patho physiology and its importance in pediatric healthcare.
- Explain differences between pediatric and adult patho physiology.
- Understand genetic, environmental, and developmental factors influencing pediatric diseases.
- Integrate the knowledge of the basic principles of Pathophysiology in a hospital and community environment.
- Explain the pathogenesis of a variety of disorders.
- Correlate normal physiology with pathology.

- Analyze the pathology of a variety of disorders of all body systems.

Clinical pharmacology & Pediatric drug administration -II (Major)

Credits Total = 02 | Theory = 02 | Skill lab/Clinical = 00

By the end of this course, the students will be able to:

- Apply conceptual knowledge about the drugs used in CV, Respiratory, CNS, ANS & EENT and endocrine disorders and their mechanisms of action.
- Calculate drug dosage calculations accurately when administering oral and parental medications.
- Select appropriate nursing interventions for drugs given in clinical situations.
- Integrate the knowledge of legal and ethical issues in administration of drug.
- Begin to understand alternative therapies in medicine.

Mathematics in Pediatrics (Major)

Credits Total = 01 | Theory = 01 | Skill lab/Clinical = 00

By the end of this course, the students will be able to:

- Solve the different problems of Fraction, Decimal and percentage by using four fundamental operations (+, -, ×, ÷), addition, subtraction, multiplication and division. Ratio & proportion method to solve word problems. S.I, Apothecary British & Household systems.
- Converting between units of measurement (mg to g, ml to liter)
- Calculate pediatric medication dosage calculation based on body weight (mg/kg) and body surface area (BSA).
- Adjust dosage of neonates, infants, and children based on the developmental consideration. And pediatric drug labels and orders.
- Special considerations in pediatric pharmacology (understand the pharmacokinetics and pharmacodynamics of drugs in children).
- Adjust dosage based on renal and hepatic function in pediatric patients.

Professional Ethics for Nurses (Major)

Credits Total = 02 | Theory = 02 | Skill lab/Clinical = 00

By the end of this course the learners will be able to:

- Differentiate between different ethical principles in health care and nursing.
- Identify ethical concerns in the clinical area and discuss alternatives for the identified ethical concerns.
- Discuss the changing health environment for the role of nurses in the delivery of ethical nursing care.
- Exhibit characteristics of a professional nurse.
- Explore and demonstrate respect for patients/families' values and beliefs' clinical setting.
- Integrate nursing code of ethics and ethical principles in a clinical setting.

Semester -V

Civics & Community engagement (GE)

Credits Total = 02 | Theory = 02 | Skill lab/Clinical = 00

By the end of this course, the students will be able to:

- Demonstrate fundamental understanding of civics, government, citizenship and civil society.
- Understand the concept of community and recognize the significance of community engagement for individuals and groups

Child Health nursing-III (Major)

Credits	Total = 06 Theory = 02 Skill lab/Clinical = 01+03
----------------	---

By the end of this course, the students will be able to:

- Discuss the incidence, causation and nature of chronic illness and disability in children;
- Evaluate the advantages and disadvantages of home care for the child, for the family and For the home care providers;
- Assess, plan, implement and evaluate the needs of the child being cared for at home, and the needs of her/his family
- Work in partnership with the child and family to assist and support them to maximize their abilities to cope with the child's illness or disability and their potential for improved health and wellbeing;
- Provide support and care when a child is dying;
- Contribute to bereavement support and counseling following the death of a child.

Embryology (Major)

Credits	Total = 02 Theory = 1.5 Skill lab/Clinical = 0.5
----------------	--

By the end of this course, the students will be able to:

- Explain the fundamental principles of human embryonic and fetal development, identify the major developmental milestones of organogenesis and fetal growth.
- Describe the stages of early development, including gametogenesis, fertilization, cleavage, blastulation, gastrulation, and neurulation.
- Use embryological knowledge to explain clinical conditions, such as birth defects and assisted reproductive technologies.
- Develop a professional and ethical approach in handling embryological and fetal studies.

Perinatal Nursing (Major)

Credits	Total = 03 Theory = 02 Skill lab/Clinical = 01
----------------	--

By the end of this course, the students will be able to:

- Define Perinatal and primary goals of perinatal nursing care during pregnancy, labor, and the postpartum period.
- To promote maternal health, preventing and managing maternal complications, such as hypertension, medical disorder associated with pregnancy, gestational diabetes, and infections, to reduce risks to both mother and baby.
- Discuss fetal Monitoring and Assessment, including fetal growth, development, and well-being through ultrasounds, fetal heart rate monitoring, and other diagnostic methods.
- Explain Birth Outcomes by providing appropriate prenatal and intrapartum care to ensure a safe delivery for both the mother and the baby, including the management of labor, pain, and complications.

- Identifying and addressing factors that could lead to preterm birth and offering interventions to prolong pregnancy when possible.
- To reduce Neonatal Mortality and Morbidity by providing high-quality neonatal care to prevent birth defects, infections, respiratory issues, and other conditions that may affect newborns.
- Educating parents about pregnancy, childbirth, and newborn care to promote informed decision-making and enhance long-term health outcomes for both mother and child.

Epidemiology (IDS)

Credits Total = 02 | Theory = 02 | Skill lab/Clinical = 0

By the end of this course, the students will be able to:

- Discuss the general use of epidemiology.
- Differentiate between the different epidemiological methods.
- Describe the steps of an epidemiological investigation.
- Interpret the relevance of epidemiological research findings to community health nursing practice.
- Discuss the impact of population growth on the socioeconomic and health status in Pakistan.
- Provide counseling to ‘mother’ for encouraging breastfeeding to newborn.

Pediatric Infectious Diseases (IDS)

Credits Total = 02 | Theory = 02 | Skill lab/Clinical = 00

By the end of this course, the students will be able to:

- Integrate the Principles of teaching and learning in planning teaching session.
- Analyze various adult learning theories and the characteristics of adult learners.
- Differentiate in the cognitive, affective, and psychomotor domains of learning based on Bloom’s taxonomy for writing objectives of teaching sessions.
- Compare and contrast different teaching learning strategies for small and large group teachings.
- Utilize appropriate health teaching strategies for diverse settings.
- Plan patient and family education session by utilizing the steps of patient education.

Pakistan Studies (IDS)

Credits Total = 02 | Theory = 02 | Skill lab/Clinical = 00

By the end of this course, the students will be able to:

- Have enhanced knowledge of the geographical, historical and political aspects of Pakistan.
- Understand the society and culture of Pakistan.
- Understand and explain the socio-economic developments in Pakistan.
- Explore contemporary issues and challenges faced by Pakistan and their implications for the future.

Semester –VI**Research in Nursing (Major)**

Credits	Total = 03 Theory = 03 Skill lab/Clinical = 00
----------------	--

By the end of this course, the students will be able to:

- Recognize the research process as a systematic approach to thought and the generation of nursing knowledge.
- Understand the process of Evidence based health care.
- Identify the role of nursing research in the development of a body of nursing knowledge that promotes nursing as a profession.
- Explain the ethical consideration used in nursing research for the safety of human subject and the conduct of research.
- Analyze/ critique research studies in nursing and other health sciences to evaluate the use of research process, methodologies, validity, reliability, application & research findings to the practice, and its significant to development of nursing.
- Prepare a condensed research proposal (either quantitative or qualitative)

Community Pediatrics & Public Health nursing (Major)

Credits	Total = 04 Theory = 02 Skill lab/Clinical = 02
----------------	--

By the end of this course, the students will be able to:

- Explain the principles of community pediatrics and public health nursing, including their role in disease prevention and health promotion.
- Describe common pediatric health issues in the community and their impact on child development.
- Develop and implement preventive health programs for children, including immunization, nutrition, and growth monitoring.
- Collaborate with multidisciplinary teams, NGOs, and government agencies to improve child health outcomes.
- Analyze community health data to identify health trends and gaps in pediatric care.

Developmental & Behavioral of Pediatrics (Major)

Credits	Total = 03 Theory = 02 Skill lab/Clinical = 01
----------------	--

By the end of this course, the students will be able to:

- Demonstrate an awareness and acceptance of mental health and illness as legitimate health issues.
- Identify factors affecting mental health especially in the Pakistani culture.
- Apply nursing process as applied to mental health nursing.
- Utilize knowledge base to actively participate in therapeutic milieu for clients with mental health problems.
- Demonstrate care of a client suffering from different mental health illnesses.
- Identify need and relevance of community mental health in Pakistan and the resources available to manage it.

Quantitative Reasoning- II (Biostatistics) (GE)

Credits Total = 03 | Theory = 03 | Skill lab/Clinical = 00

By the end of this course, the students will be able to:

- Differentiate between various statistical terms in relation to health.
- Explain the various statistical methods used in health sciences.
- Demonstrate the calculation of various descriptive statistics such as frequency table, histogram, pie-chart, and line graph etc.
- Analyze the use of statistics in some selected research studies.
- Calculate statistical results for selected measures.

Social Sciences (Culture, health & Society)

Credits Total = 02 | Theory = 02 | Skill lab/Clinical = 00

By the end of this course, the students will be able to:

- Explore the relationship between culture, society, and health.
- Analyze health-related knowledge, beliefs, attitudes, and practices of various socio cultural groups.
- Appreciate the role of society and culture in recognizing health system utilization.
- Apply trans-cultural nursing concepts when providing nursing care to clients.
- Discuss relevant social issues and suggest methods to facilitate change where necessary.

Trends and Issues in Child Health care (Major)

Credits Total = 02 | Theory = 02 | Skill lab/Clinical = 00

By the end of this course, the students will be able to:

- Identify and analyze current trends in child health care, including epidemiological patterns and emerging health concerns.
- Examine critical health issues affecting children, such as infectious diseases, mental health, nutrition, and chronic conditions.
- Assess national and global policies, programs, and initiatives aimed at improving child health outcomes.
- Understand the impact of social, economic, and environmental factors on child health and well-being.
- Analyze ethical and legal issues in pediatric care, including consent, advocacy, and rights of children.
- Review advancements in medical technology, treatment approaches, and preventive strategies in child health care.
- Develop an understanding of family dynamics and cultural factors in pediatric health care delivery.

Operation theater Nursing (Elective-I, Major)

Credits Total = 02 | Theory = 02 | Skill lab/Clinical = 00

By the end of this course, the students will be able to:

- Understand the anatomy, physiology, and pathophysiology related to pediatric surgical conditions.
- Explain the principles of pediatric perioperative nursing care, including preoperative, intraoperative, and postoperative management.
- Assess and prepare pediatric patients for surgery, considering age-specific physiological and

- psychological needs.
- Educate parents and caregivers about the surgical procedure, anesthesia, and postoperative care.
- Demonstrate knowledge of pediatric pain assessment and management in the preoperative phase.
- Recognize and respond effectively to pediatric perioperative emergencies, including anaphylaxis, cardiac arrest, and airway obstruction.

Semester-VII

Leadership & Management (IDS)

Credits Total = 03 | Theory = 02 | Skill lab/Clinical = 01

By the end of this course, the students will be able to:

- Define leadership and management and differentiate between them.
- Differentiate various management systems within and related to the health care system by utilizing various organizational theories.
- Integrate various theories in relation to leadership, management, problem-solving and decision making, motivation, managing change and conflict management.
- Explain the structures and functions of organizations.
- Discuss the functions of management (planning, organizing, staffing, directing, and controlling) the available resources effectively and efficiently for achieving the goals of the organization.
- Integrate critical thinking skills and theoretical concepts from nursing and other disciplines in leadership decision-making process.

Pediatric Critical care Nursing (Major)

Credits Total = 06 | Theory = 02 | Skill lab=1 Clinical = 03

By the end of this course, the students will be able to:

- Discuss pediatric hemodynamic principles, including oxygenation, perfusion, and fluid-electrolyte balance.
- Describe the management of life-threatening pediatric conditions such as sepsis, shock, respiratory failure, and neurological emergencies.
- Perform comprehensive pediatric assessments, including neurological, cardiovascular, and respiratory evaluations.
- Manage mechanical ventilation, including settings, troubleshooting, and weaning protocols.
- Recognize and respond to emergency situations, including cardiac arrest, respiratory distress, and multi-organ dysfunction.
- Apply infection control protocols to prevent hospital-acquired infections in pediatric ICUs.
- Utilize pain assessment tools and implement multimodal pain management strategies for critically ill children.

Entrepreneurship (GE)

Credits Total = 02 | Theory = 02 | Skill lab/Clinical = 00

By the end of this course, the students will be able to:

- Knowledge of fundamental entrepreneurial 2 concepts, skills and process.
- Understanding on different personal, social and financial aspects associated with entrepreneurial activities.
- Basic understanding of regulatory requirements to set up an enterprise in Pakistan, with

- special emphasis on export businesses;
- Ability to apply knowledge, skills and competencies acquired in the course to develop a feasible business plan.

Child & Adolescent Psychiatry (Major)

Credits Total = 03 | Theory = 02 | Skill lab/Clinical = 01

By the end of this course, the students will be able to:

- Describe the psychological, emotional, and cognitive development of children and adolescents.
- Identify common mental health disorders in children and adolescents, including ADHD, autism spectrum disorders, mood disorders, anxiety disorders, and psychotic disorders.
- Understand the presentation of psychiatric symptoms in different age groups.
- Conduct comprehensive psychiatric evaluations, including history-taking, mental status exams, and standardized assessment tools.
- Recognize the role of family, school, and social factors in mental health assessments.
- Understand pharmacological and non-pharmacological treatment options, including psychotherapy (e.g., CBT, family therapy) and medication management.& Evaluate the risks and benefits of psychiatric medications in pediatrics.
- Assess the effects of trauma, abuse, and adverse childhood experiences (ACEs) on mental health.

Research Report (Major)

Credits Total = 03 | Theory = 03 | Skill lab/Clinical = 00

By the end of this course, the students will be able to:

- Explain key concepts, methodologies, and ethical considerations in research. Differentiate between qualitative, quantitative, and mixed-method research approaches.
- Developing Research Skills, Formulate a clear research question or hypothesis. Conduct a comprehensive literature review to support the research.
- Designing Research Methodology, select appropriate research methods, including data collection and analysis techniques. Justify the choice of research design based on the study objectives.
- Apply appropriate data collection techniques (e.g., surveys, interviews, experiments).
- Structure a research report with key components: introduction, methodology, results, discussion, and conclusion.
- Use proper citation styles (e.g., APA, MLA, Chicago) to avoid plagiarism.

Community Health Nursing (Elective-II, Major)

Credits Total = 02 | Theory = 02 | Skill lab/Clinical = 00

By the end of this course, the students will be able to:

- Examine the role of a community health nursing, analyze it in context to the health care needs of the community and specific groups of clients.
- Apply principles of community participation, self-care and Implement projects in the community.
- Identify the principle elements and components of primary health care
- Describe each component and its relationship to health promotion
- Discuss the role of a community health nursing in various components.
- Analyzed the role of national and international organization in health care

Semester-VIII**Principle of Teaching & Learning (IDS)**

Credits Total = 03 | Theory = 03 | Skill lab/Clinical = 00

By the end of this course, the students will be able to:

- Analyze various adult learning theories and the characteristics of adult learners.
- Describe the complexity of conditions that impact on learning.
- Critically reflect on one's own learning.

Neonatal Nursing (Major)

Credits Total = 03 | Theory = 1.5 | Skill lab=0.5 Clinical = 1

By the end of this course, the students will be able to:

- Understand the physiological, anatomical, and developmental differences between neonates.
- Perform comprehensive physical assessments of neonates, including APGAR scoring and reflex testing.
- Identify and manage common neonatal disorders such as respiratory distress syndrome, jaundice, hypoglycemia, and infections.
- Apply Neonatal Resuscitation Program (NRP) guidelines for managing neonatal emergencies.
- Understand neonatal nutritional needs, including breastfeeding, formula feeding, and parenteral nutrition.
- Administer medications safely, considering neonatal pharmacokinetics and dosages
- Educate and support parents in newborn care, bonding, and coping with neonatal intensive care unit (NICU) stays.

Expository Writing (GE)

Credits Total = 03 | Theory = 03 | Skill lab/Clinical = 00

By the end of this course, the students will be able to:

- Understand the essentials of the writing process integrating pre-writing, drafting, editing and proof reading to produce well-structured essays.
- Demonstrate mastery of diverse expository types to address different purposes and audiences.
- Uphold ethical practices to maintain originality in expository writing.

Nursing Informatics (Major)

Credits Total = 03 | Theory = 03 | Skill lab/Clinical = 00

By the end of this course, the students will be able to:

- Understand the role of informatics in healthcare and nursing practice
- Define nursing informatics and its relationship to healthcare. And the impact of informatics on evidence-based practice and clinical.
- Identify different types of health information systems (HIS), including HER (electronic healthy record) , clinical decision support systems (CDSS), and tele health.
- Demonstrate proficiency in using EHR systems for documentation and patient care.
- Analyze healthcare data to improve patient care and operational efficiency.

Clinical Practicum (Capstone Project)

Credits Total = 03 | Theory = 00 | Skill lab/Clinical = 03

By the end of this course, the students will be able to:

- Prepare for role transition to bedside nurse.
- Utilize learned concepts in a clinical setting.
- Enhance the clinical practice which provides the opportunity to students to become skillful through implementing theoretical knowledge into practical situations.
- Develop professional growth and advancement through acquired knowledge and experience.
- Augment continuous personal growth and development.

Nursing Management (Elective-III, Major)

Credits Total = 02 | Theory = 02 | Skill lab/Clinical = 0

By the end of this course, the students will be able to:

- Discuss issues and trends that influence the direction and philosophy of nursing administration and management
- Describe the roles and responsibilities of the nurse manager
- Develop beginning knowledge and skills for a line manager in Nursing
- Apply knowledge of administration and leadership theories, strategies and concepts in clinical settings.
- Communicate as a peer with professional colleagues from various disciplines
- Demonstrate personal and professional growth by completing an in-depth study of a self-selected problem related to nursing administrations and management in general.