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No. 9-1/HEC/Curr/NCRC/NRS/2024/5857

March 04, 2024

SUBJECT: CURRICULUM OF MIDWIFERY - 2024

Dear Sir / Madam,

Development and review of academic standards at tertiary level is one of the major functions of Higher Education Commission (HEC) of Pakistan. HEC in collaboration with Pakistan Nursing and Midwifery Council (PNMC) has developed the curriculum of Midwifery at undergraduate level.

1. BS in Midwifery (BSM)

The same is shared for information and implementation by all Higher Education Institutions offering program in the above-mentioned discipline.

Encl: As above

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. President, Pakistan Nursing & Midwifery Council (PNMC), Islamabad
- iv. Registrar, Pakistan Nursing & Midwifery Council (PNMC), Islamabad
- v. Advisor (Academics and Curriculum), Higher Education Commission, Islamabad
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CURRICULUM
OF
BS IN MIDWIFERY (BSM)

2024



HIGHER EDUCATION COMMISSION
ISLAMABAD – PAKISTAN

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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 (NCRCs) 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 120+ 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.

It is hoped that this document, prepared by the respective NCRC's, would serve the purpose of meeting our national, social, and economic needs, and it would also provide the level of competency specified in Pakistan Qualification Framework to make it compatible with international educational standards. The curriculum is also placed on the website _____ of _____ HEC <http://hec.gov.pk/english/services/universities/RevisedCurricula/Pages/default.aspx>.

Muhammad Raza Chohan
Advisor (Academics & Curriculum), HEC

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THE CURRICULUM OF BS IN MIDWIFERY (BSM) 2024

1. Introduction

Midwifery is a distinct profession in its own rights i.e., definition of title, scope of practice, philosophy, code of ethics, education, competencies, and services. Competent and qualified midwives contribute a pivotal role in improving maternal, neonatal, and child health and minimizing the maternal and neonatal mortality and morbidity rates. This document proposes an undergraduate four-year degree program to prepare midwives who will be qualified and licensed to provide quality care specifically to pregnant women and newborn throughout the maternity cycle. The goal of the degree program is to establish midwifery education based on national and international best practices and on International Confederation of Midwives (ICM) standards that lead to excellence in evidence-based midwifery practice, teaching, and leadership. The higher education programs in midwifery will serve as exemplar for Pakistan and region.

1.1 Rationale

Evidence shows that midwives prepared at international standards enhance normality throughout the birth cycle and reduce the rates of morbidity and mortality and promote health of mothers and newborns/ infants. Making higher education available based on the ICM' Global Standards for Midwifery Education and its Essential Competencies for Midwifery Practice in Pakistan will enable midwives to alter the high mortality and morbidity among women and children. Moreover, qualified midwives will provide improved health care services, quality of practice and teaching, further the development of midwifery as a profession as well as expand career opportunities for women in Pakistan.

1.2 Definition of Midwife and Midwifery

Midwifery is the profession of midwives and has a unique body of knowledge, skills and professional attitudes drawn from disciplines shared by other health professions such as science and sociology but practiced by midwives within a professional framework of autonomy, partnership, ethics, and accountability. Midwifery care is provided by an autonomous midwife. Midwifery competencies (knowledge, skills, and attitudes) are held and practiced by midwives, educated through a pre-service/pre-registration. Midwifery is an approach to care of women and their newborn infants whereby midwives:

- optimise the normal biological, physiological, psychological, social, and cultural processes of childbirth and early life of the newborn.

- work in partnership with women, respecting the individual circumstances and views of each woman.
- promote women’s personal capabilities to care for themselves and their families.
- collaborate with midwives and other health professionals as necessary to provide holistic care that meets each woman’s individual needs¹.

In Pakistan, all the graduates will be titled as ‘MIDWIFE’ after successful completion of the undergraduate midwifery degree program. This program and title both are approved by Pakistan Nursing and Midwifery Council (PNMC).

1.3 Scope of Practice

The midwife is recognized as a responsible and accountable professional who works in partnership with women to give the necessary support, care, and advice during pregnancy, labour, and the postpartum period, and to provide care for the newborn and the infant. This care includes preventative measures, the promotion of normal birth, the detection of complications in mother and child, the accessing of medical care or other appropriate assistance and the carrying out of emergency measures.

The midwife has an important task in health counselling and education, not only for the woman, but also within the family and the community. This work involves antenatal, intra-natal and postnatal education and preparation for parenthood and may extend to women’s health, sexual or reproductive health and childcare. A midwife may practice in any setting including home, community-based health units/ clinics, hospitals, or basic health units (BHUs)/ Rural Health Centres/ Taluqa and/or District hospitals.”²

1.4 Philosophy of Midwifery Care¹

Midwifery is a distinct profession than nursing in its own rights i.e., definition of title, scope of practice, philosophy, code of ethics, education, competencies, and services.

Learning is a life-long process in which knowledge is pursued in an atmosphere of support, guidance, free inquiry, and expression. The Midwifery faculty is committed to facilitate students in developing knowledge, skills and attitude for

¹ Extracted from ICM Websites (2017: <https://internationalmidwives.org/our-work/policy-and-practice/icm-definitions.html>); Accessed on Oct 15, 2021

² Copied from Pakistan Nursing Council Curriculum for BSM – unpublished document – Adapted from ICM 2017

women and newborn care through partnering with women and their families to design appropriate midwifery interventions in response to present and emerging needs of the midwifery profession and raising the standard of midwifery practice.

Midwives collaborate with other relevant healthcare professions to provide best evidence-based care to women and newborn. They will enhance their knowledge and skills through continuous education.

Higher education will provide empowerment to midwives to participate and engage in strategic directions, policies and procedures development, implementation, evaluation, research, and leadership.

- a. Pregnancy and childbearing are usually normal physiological processes.
- b. Pregnancy and childbearing are a profound experience, which carries significant meaning to the woman, her family, and the community.
- c. Midwives are the most appropriate care providers to attend childbearing women.
- d. Midwifery care promotes, protects, and supports women's human, reproductive and sexual health and rights, and respects ethnic and cultural diversity. It is based on the ethical principles of justice, equity, and respect for human dignity.
- e. Midwifery care is holistic and continuous in nature, grounded in an understanding of the social, emotional, cultural, spiritual, psychological, and physical experiences of women.
- f. Midwifery care is emancipatory as it protects and enhances the health and social status of women and builds women's self confidence in their ability to cope with childbirth.
- g. Midwifery care takes place in partnership with women, recognising the right to self-determination, and is respectful, personalised, continuous, and non-authoritarian.
- h. Ethical and competent midwifery care is informed and guided by formal and continuous education, scientific research, and application of evidence.

Adapted from (ICM Philosophy and Model of Midwifery Care, 2014)

2. Program Description

Midwifery is an important component of women's health care. Midwives' expertise in the care of normal pregnancy and childbirth arises from their understanding of childbearing as a social, cultural, physiological, and biological process and from their ability to competently exercise clinical skills and decision-making.

The four-year program, which spans eight semesters, includes courses from basic sciences, social sciences, health sciences and electives (i. maternal health and ii. newborn health), in addition to clinical courses. Teaching methods include lecture format, small group tutorials, self-directed activities and practical learning experiences in both skills, laboratory, and clinical practice settings.

2.1 Clinical Courses:

Starting from the first semester, these courses consist of a practical and theoretical component and concurrent problem-based weekly tutorials. Students are assigned to midwifery practice as well as inter-professional placements including nursing, neonatal intensive care nursery, and obstetrical practices. Throughout the program, students will be placed in more than one midwifery practice at all levels of care i.e., tertiary/ teaching hospitals, District Head Quarter/ Tehsil Head Quarter hospitals, Rural health centers, Basic Health Units and MCH centers run by population welfare department (PWD) located within the program catchment area. In clinical settings, the students will be placed with dedicated tutors specifically recruited for teaching in the program. In addition, the students will also gain clinical experience with obstetricians, neonatologists, pediatricians, staff nurses/ midwives.

3. Program Learning Outcomes

- a. Demonstrate competent midwifery care for women and children up to five years across the continuum of care.
- b. Promote and facilitate the physiological processes of pregnancy, labor, birth, and the postpartum period.
- c. Collaborate with midwives and other healthcare professionals across primary, secondary, and tertiary healthcare levels to provide necessary care to women and children.

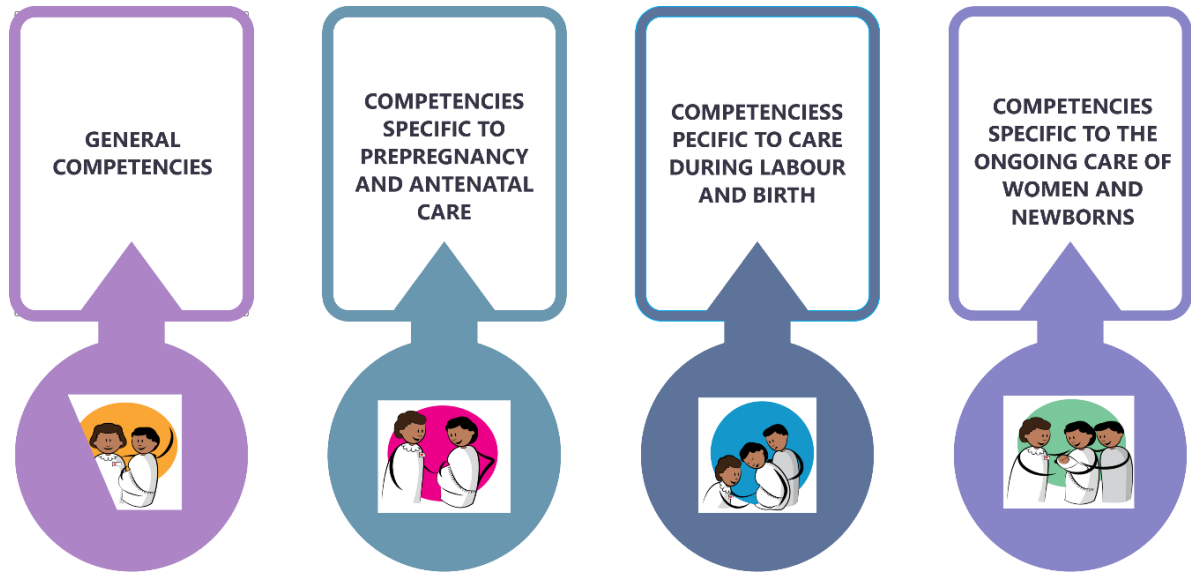
- d. Manage complications in mother and/or baby and refer as necessary to other health professionals/ facilities.
- e. Provide emergency obstetric and newborn care and refer appropriately.
- f. Recognize social and cultural influences on women's lives and health and promote social equity in improving women's health outcomes.
- g. Apply evidence-based practices across the continuum of maternity and newborn care.
- h. Demonstrate effective interpersonal and interprofessional communication skills with women and families, healthcare teams, and the community.
- i. Provide respectful maternity care to women and family throughout the birthing processes and care.
- j. Practice midwifery profession and provide maternity care within the realm of legal, religious, and ethical tenants of Pakistan.

Global Standards for Midwifery Education



(Adapted from ICM Global Standards for Midwifery Education, 2013)

Essential Core Competencies Framework



The competencies are organised into four inter-related categories as outlined below



1. GENERAL COMPETENCIES

Competencies in this category are about the midwife's autonomy and accountabilities as a health professional, the relationships with women and other care providers and care activities that apply to all aspects of midwifery practice. All General Competencies are intended to be used during any aspect of midwifery care whereas competencies in categories 2, 3, and 4 are each specific to a part of the reproductive process and must be viewed as subsets of the General Competencies, not stand-alone subsets. Educational and/or training providers should ensure that the General competencies are interwoven in any curriculum. Assessment of the competencies in categories 2, 3, and 4 must include assessment of the competencies in category 1.



2. COMPETENCIES SPECIFIC TO PRE-PREGNANCY AND ANTENATAL CARE

Competencies in this category are about health assessment of the woman and fetus, promotion of health and well-being, detection of complications during pregnancy and care of women with an unintended pregnancy.



3. COMPETENCIES SPECIFIC TO CARE DURING LABOUR AND BIRTH

Competencies in this category are about assessment and care of women during labour that facilitates physiological processes and a safe birth, the immediate care of the newborn infant, and detection and management of complications in mother or infant.



4. COMPETENCIES SPECIFIC TO THE ONGOING CARE OF WOMEN AND NEWBORNS

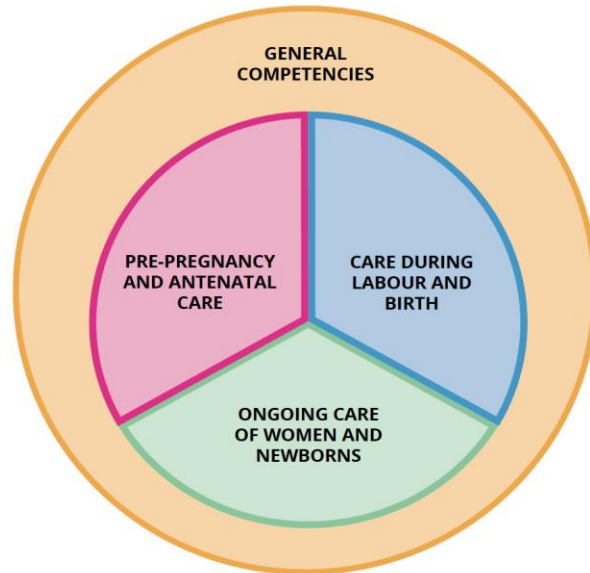
Competencies in this category address the continuing health assessment of mother and infant, health education, support for breast feeding, detection of complications, and provision of family planning services.

(Adapted from ICM Essential Core Competencies, 2019)

4. Midwifery Education Framework

Framework Structure

The diagram below provides a visual representation of the framework structure.



4.1 General Competencies

- a. Assume responsibility and accountability for own decisions and actions as an autonomous practitioner.
- b. Assume responsibility for self-care and self-development as a midwife.
- c. Appropriately delegate aspects of care and provide supervision.
- d. Use research to inform practice.
- e. Uphold fundamental human rights of individuals when providing midwifery care.
- f. Adhere to jurisdictional laws, regulatory requirements, and codes of conduct for midwifery practice.
- g. Facilitate women to make individual choices about care.
- h. Demonstrate effective interpersonal communication with women and families, health care teams, and community groups.
- i. Facilitate normal birth processes in institutional and community settings, including women homes.
- j. Assess the health status, screen for health risks, and promote general health and well-being of women and infants.
- k. Prevent and treat common health problems related to reproduction and early life.
- l. Recognise conditions outside midwifery scope of practice and refer appropriately.
- m. Care for women who experience physical and sexual violence and abuse.

4.2 Pre-pregnancy and Ante-natal

- a. Provide pre-pregnancy care.
- b. Determine health status of woman.
- c. Assess maternal and fetal well-being.
- d. Monitor the progression of pregnancy.
- e. Detect early complications in pregnancy.

- f. Administer vaccination related to pregnancy.
- g. Promote and support health behaviours that improve well being.
- h. Provide anticipatory guidance related to pregnancy, birth, breastfeeding, parenthood, and change in the family.
- i. Detect, stabilise, manage, and refer women with complicated pregnancies.
- j. Assist the woman and her family to plan for an appropriate place of birth.
- k. Provide care to women with unintended or mistimed pregnancy.

4.3 Care during Labour and Birth

- a. Promote physiologic labour and birth.
- b. Manage a safe spontaneous vaginal birth; prevent, detect, and stabilise complications.
- c. Provide care of the newborn immediately after birth.

4.4 Ongoing Care of Women and Newborns

- a. Provide postnatal care for the healthy woman.
- b. Provide care to healthy newborn infant.
- c. Promote and support breastfeeding.
- d. Detect, treat, and stabilise postnatal complications in woman and refer as necessary.
- e. Provide family planning services.

5. Core Competencies and Associated Courses

S. No	Core competencies	Courses focusing on competencies
1.	Understanding of Human body and Mind	Microbiology, Biochemistry, A & P I & II Pharmacology I & II Applied Psychology
2.	Professional, Ethical practice and legal practice	Foundations of Midwifery Midwifery Ethics and Law Islamic Studies/Ethics
3.	Provision of care (Quality management/ improvement)	Fundamental Skills for Midwifery Health Assessment for Midwives Sexual and Reproductive Health Peri-Natal Mental Health Nutrition throughout life cycle Pharmacology for Midwives I & II Breastfeeding and Lactation Management Care for Pregnancy (Pre-conception & Antenatal) I & II Care for Labor and Birth – I & II Post-Partum care for mothers and newborn – I & II
4.	Critical thinking	Quantitative Reasoning, I & II Principles of Teaching and Learning Leadership and Management Clinical practicum
5.	Evidence - based Midwifery Practice	Basics of Biostatistics (QR I) Reproductive Epidemiology and Research (QR II) Infectious Diseases Clinical practicum
6.	Communication Skill	Information and Communication Technology Fundamentals of Midwifery Functional English Community Paediatrics

		Primary Healthcare for Midwives
7.	Health Promotion	Cultural Diversity & Family Care QR II Public health for Midwives Integrated Management of Childhood Illness & Immunization Pakistan studies
8.	Professional Development	Role Transition and Entrepreneurship for midwives Professional Trends and Issues in Midwifery Expository writing Functional English

**STANDARDIZED FORMAT
FOR BS (4-YEAR) IN MIDWIFERY**

STRUCTURE

Sr	Categories	No. of Courses	Credits
1	General Education Cluster	12	30
2	Major courses (including electives within Majors)	23	73
3	Interdisciplinary / Allied courses	07	15
4	Capstone (Midwifery Practicum)	04	12
	Total	46	130

- Total numbers of credit hours: 130
- Duration: 4 years
- Semester duration: 16-18 weeks
- Semesters: 8
- Course load per semester: As per HEC Semester Guidelines
- Number of courses per semester: 5-6

6. Framework for BS in Midwifery (General Education Cluster)

Compulsory Requirement	
Courses	12
Credit Hours	30
Subject	Cr. hrs.
Ideology and Constitution of Pakistan	02
Islamic Studies/Ethics	02
Functional English	03
Expository Writing	03
Applications of Information and Communication Technologies (ICT)	03 (2+1)
Role Transition and Entrepreneurship for Mid-wives	02
Basics of Biostatistics (QR I)	03
Cultural Diversity & Family Care (Civics and Community Engagement)	02
Reproductive Epidemiology and Research (QR II)	03
Microbiology (Natural Sciences)	03 (2+1)

Communication in HealthCare (Arts and Humanities)	02
Midwifery Ethics and Law (Social Sciences)	02

Interdisciplinary Courses	
Courses	7
Credit Hours	15
Subject	Cr. hr.
Health Education and Counselling	02
Nutrition throughout Life Cycle	02
Respectful Maternity Care	02
Cultural Diversity & Family Care (AH)	02
Applied Psychology	03
Infectious Disease	02
Fundamental Skills for Midwives (ID)	02
Major Courses	
Courses	21
Credit Hours	67
Subject	Cr. hr.
Anatomy and Physiology – I	03
Anatomy and Physiology – II	03
Pharmacology for Midwives – I	03
Pharmacology for Midwives – II	03
Integrated Management of Childhood Illness & Immunization	03
Care for Pregnancy (Pre-conception & Antenatal) – I	04
Care for Pregnancy (Pre-conception & Antenatal) – II	03
Care for Labor and Birth – I	04
Care for Labor and Birth – II	03
Post-Partum care for Mothers and Newborn – I	04
Post-Partum care for Mothers and Newborn – II	04
Primary Healthcare for Midwives	03
Sexual & Reproductive Health	03
Perinatal Mental Health	03
Early Childhood Development	03
Breast Feeding and Lactation Management	03
Public Health for Midwives	03
Health Assessment for Midwives	03
Biochemistry for Midwives	03
Foundation of Midwifery Care	03
Family Planning & Post Abortion Care	03
Midwifery Practicum	
Courses	04
Credit hours	12
Midwifery practicum – I	03
Midwifery practicum – II	03
Midwifery practicum – III	03
Midwifery practicum – IV	03
Elective Courses	

Courses	05 (Min - 02)
Credit Hours	06
Subject	Cr. hr.
Professional Trends and Issues in Midwifery	03
Alternative and Complimentary Therapies in Midwifery	03
SRH in Humanitarian Crisis	03
Community Paediatrics	03
Population Dynamics	03

7. Eligibility Criteria

HSSC/A-levels or equivalence (12 years of schooling) in Pre-Medical with minimum 50 % marks. **Gender: Female only.** Admitting university may conduct entry test through its own testing body or other as per its own approved screening/admission criteria.

8. Scheme of Studies

Semester 1						
Sr #	Course Title	Category	Theory	Clinical	Skills/Lab	Total Credit
1	Foundations of Midwifery care	Major	03	-	-	03
2	Ideology and constitution of Pakistan	GE	02	-	-	02
3	Anatomy and Physiology – I	Major	02	-	01	03
4	Fundamental Skills for Midwives	ID	01	-	01	02
5	Biochemistry for Midwives	Major	02	-	01	03
6	Functional English	GE	03	-	-	03
Total – 16						

Semester 2						
Sr #	Course Title	Category	Theory	Clinical	Skills/Lab	Total Credit
1	Applications of Information and Communication Technologies (ICT)	GE	02	-	01	03
2	Communication in Healthcare (Arts and Humanities)	GE	02	-	-	02
3	Expository Writing	GE	03	-	-	03

4	Health assessment for Midwives	Major	1.5	0.5	01	03
5	Anatomy and Physiology – II	Major	02	-	01	03
6	Islamic Studies/ Ethics	GE	02	-	-	02
Total – 16						

Semester 3						
Sr #	Course Title	Category	Theory	Clinical	Skills/Lab	Total Credit
1	Role Transition and Entrepreneurship for midwives	GE	02	-	-	02
2	Pharmacology for Midwives – I	Major	02	-	01	03
3	Primary Healthcare for Midwives	Major	01	02	-	03
4	Health Education & Counselling	ID	1.5	0.5	-	02
5	Basics of Biostatistics (QR - I)	GE	03	-	-	03
6	Cultural Diversity & Family Care (Civics and Community Engagement)	GE	02	-	-	02
Total – 15						

Semester 4						
Sr #	Course Title	Category	Theory	Clinical	Skills/Lab	Total Credit
1	Care for Pregnancy (Pre-conception & Antenatal) – I	Major	02	01	01	04
2	Nutrition throughout life cycle	ID	02	-	-	02
3	Midwifery Ethics and Law	GE(SS)	02	-	-	02
4	Sexual & Reproductive Health	Major	03	-	-	03
5	Microbiology (Natural Sciences)	GE	02	-	01	03
6	Reproductive Epidemiology and Research (QR - II)	GE	02	-	01	03
Total – 17						

Semester 5						
Sr #	Course Title	Category	Theory	Clinical	Skills/Lab	Total Credit
1	Respectful Maternity Care	ID	1.5	0.5	-	02
2	Care for Pregnancy (Pre-conception & Antenatal) – II	Major	02	01	-	03
3	Care for Labor and Birth – I	Major	02	1.5	0.5	04
4	Post-Partum Care for Mothers and Newborn – I	Major	02	01	01	04
5	Cultural Diversity & Family Care (AH)	ID	02	-	-	02
6	Midwifery Practicum – I	Capstone	-	03	-	03
Total – 18						

Semester 6						
Sr #	Course Title	Category	Theory	Clinical	Skills/Lab	Total Credit
1	Care for Labor and Birth – II	Major	1.5	1.5	-	03
2	Breast Feeding and Lactation Management	Major	1.5	1.5	-	03
3	Pharmacology for Midwives – II	Major	02	-	01	03
4	Applied Psychology	ID	03	-	-	03
5	Midwifery Practicum – II	Capstone	-	03	-	03
Total – 15						

Semester 7						
Sr #	Course Title	Category	Theory	Clinical	Skills/Lab	Total Credit
1	Post-Partum Care for Mothers and Newborn – II	Major	2	1.5	0.5	04
2	Public Health for Midwives	Major	02	-	01	03
3	Perinatal Mental Health	Major	1.5	1.5	-	03
4	Infectious Disease	ID	01	-	01	02

5	Elective – I	Major	02	01	-	03
6	Midwifery Practicum – III	Capstone	-	03	-	03
Total – 18						

Semester 8						
Sr #	Course Title	Category	Theory	Clinical	Skills/Lab	Total Credit
1	Early Childhood Development	Major	1.5	01	0.5	03
2	Family Planning & Post Abortion Care	Major	01	-	02	03
3	Integrated Management of Childhood Illness & Immunization	Major	1.5	01	0.5	03
4	Elective – II	Major	02	01	-	03
5	Midwifery Practicum – IV	Capstone	-	03	-	03
Total – 15						

Internship: Minimum 6 months of paid internship after the completion of all the credits requirements of the BSM degree. Placement for internship is the responsibility of the institution offering the program.

9. Course Learning Outcomes

Course Title: Basics of Biostatistics

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

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

1. Define the scope and concepts of Biostatistics and its applications.
2. Define data, know the common sources of data, and understand the various methods of data collection and presentation.
3. Discuss to a reasonable level the probability theories and population distribution and their applications in health and health related fields.
4. Define and explain the various commonly used test statistics and their applications in analyzing data in public health.
5. Acquire the necessary knowledge and skills for data analysis and interpretation of test statistic results.

Course Title: Reproductive Epidemiology and Research

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

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

1. Describe the basic concepts in reproductive epidemiology.
2. Describe the key reproductive health indicators including mortality and morbidity.
3. Discuss the sources and methodologies used to collect data, its analysis on reproductive health topics.
4. Apply the basic concepts of epidemiology and surveillance to reproductive health

- problems.
5. Discuss the epidemiology of perinatal problems for e.g., preterm, still birth, neonatal deaths, maternal death, small for gestational age, low birth weight in the light of evidence-based practice.
 6. Discuss the evidence based global health issues in reproductive health especially in the developing world.

Course Title: Microbiology (Natural Sciences)

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

Upon the completion of the theoretical course, students will be able to

1. Demonstrate an understanding of the structural similarities and differences among microbes and the unique structure/function relationships of prokaryotic cells.
2. Comprehend the fundamentals of molecular microbiology.
3. Appreciate the diversity of microorganisms and microbial communities and recognize how microorganisms solve the fundamental problems their environments present.
4. Recognize how the underlying principles of epidemiology of disease and pathogenicity of specific microbes affect human health.

Clinical Outcomes

Upon the completion of the practical course, students will be able to

1. Demonstrate the proper use of a microscope to observe microorganisms and report observed characteristics.
2. Practice and apply calculations related to the preparation of media, stock/working solutions, and culture dilutions.
3. Apply their knowledge of microbial structure, growth, and metabolism to the identification of an unknown microorganism.
4. Demonstrate aseptic technique and perform routine culture handling tasks safely and effectively.
5. Apply scientific method to collect, interpret, and present scientific data in microbiology and related fields.

Course Title: Communication in Health Care (Arts and Humanities)

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

Upon completion of the course, the student will be able to:

1. Apply effective communication skills with clients, colleagues, families, and the community.
2. Develop and maintain effective and positive interpersonal relationships with clients, colleagues, families, and the community at large.
3. Deliver effective oral communication of professional material to a group.
4. Demonstrate beginning communication skills appropriate for interactions with women, families, and wider community.
5. Demonstrate an understanding of the principles of community engagement as related to reflective practice and the common good.
6. Participate in and conduct a professional meeting.

Practical Outcomes

Upon completion of the practical course, the student will be able to:

1. Observe the health care providers interaction with the clients in in-patient or out-patient setting.
2. Initiate basic interaction with the clients including history taking.

3. Appraise her own communication skills through process recording and verbatim analysis.
4. Apply effective communication skills while interacting with clients, and families.
5. Develop and maintain effective and positive interpersonal relationships with clients, colleagues, families.

Course Title: Role Transition and Entrepreneurship for Midwives

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

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

1. Discuss the professional dimensions of midwifery involved in development and maintenance of midwifery image.
2. Apply ethical decision-making principles in professional practice.
3. Explore and adapt current trends influencing midwifery practice, education, and research in Pakistan and globally.
4. Understand and adjust with the new roles and responsibilities as a midwife.

Course Title: Health Education & Counselling

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

At the completion of this unit, students will be able to:

1. Explain the concepts related to Behaviour Change Communication, Health Promotion, health education & teaching & learning.
2. Explain the purpose and principal goal of health education.
3. Integrate different models of health promotion such as Health & Belief model and trans-theoretical model of behavioural change.
4. Describe various strategies and methods for individual and group health education.
5. Develop a teaching plan and conduct health education session based on needs assessment of the client in hospital or community-based setting.

Clinical Objectives

At the completion of the clinical course, students will be able to:

1. Apply the concepts and theories related to Behaviour Change Communication, Health Promotion, health education & teaching & learning in clinical setting.
2. Develop a teaching plan and conduct health education session based on needs assessment of the client in hospital or community-based setting.
3. Apply various strategies and methods for individual and group health education.

Course Title: Midwifery Ethics & Law

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

At the completion of this unit, students will be able to:

1. Describe the implication of ethical principles and values which govern good health professional practice.
2. Display ability to maintain ethical standards, including confidentiality, informed consent, avoid practice errors, avoid conflict of interest.
3. Explain how ethical approaches are applied by midwives when caring for women and their families.
4. Identify country laws that apply to the delivery of midwifery practice.
5. Discuss how midwives comply with the country laws in the healthcare setting.
6. Explain how the Pakistan Nursing and Midwifery Council (PNMC) standards and codes for practice underpins the expected behaviours and attitudes of midwives.

Course Title: Cultural Diversity & Family Care

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

On successful completion of the course students will be able to:

1. Compare and contrast maternity care available in rural and urban areas of Pakistan as well as with the region and developed countries.
2. Examine culturally diverse approaches to childbirth.
3. Critically analyze the impact of place of birth and critique maternity care strategies for rural and urban women including issues of cultural safety and culturally competent, women-centered maternity care.
4. Examine the political and cultural context of childbearing among women of vulnerable groups: refugees, immigrants, minorities, IDPs etc.
5. Critically reflect on the midwife's role as a public health advocate in creating and maintaining a positive workplace culture to ensure zero tolerance of violence, and discrimination as it applies to gender, sexual orientation, race, and religion.
6. Synthesize knowledge on the effect of different forms of media on childbearing families, its role in the social construction of childbearing and parenthood, and the implications for midwifery practice.

Course Title: Foundation of Midwifery Care

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

At the end of this module, the learner will be able to:

1. Demonstrate an understanding of the roles of the midwife in primary care and primary health care to professional, legal, and ethical standards of midwifery.
2. Demonstrate academic literacy skills as applied to evidence-based midwifery practice.
3. Demonstrate beginning communication skills appropriate for interactions with women, families, and colleagues.
4. Apply foundational knowledge of anatomical, physiological, and psychosocial alterations and adaptations of pregnancy to introductory health assessment skills.
5. Apply the underpinning philosophies of midwifery to woman-centred midwifery practice.

Course Title: Anatomy and Physiology - I

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

On completion of this course, students will be able to:

1. Describe basic structural and functional features of the major organ systems within the human body.
2. Define basic biological processes essential for maintenance of homeostasis.
3. Describe key physiological processes as they relate to health assessment and care in midwifery practice.
4. Relate the basic anatomy & physiology concepts to the midwifery care of clients.
5. Correlate specific structural features of human cells, tissues, organs, and systems of the human body with their normal functions, and identify the changes that occur during human development, ageing and disease.

Course Title: Anatomy and Physiology - II

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

On completion of this course, students will be able to:

1. Describe the major anatomical components of each human body system studied, briefly describe their anatomical locations and general structures, and explain their physiological functions at both the organ and cellular levels.

2. Discuss the role of homeostasis in maintaining normal body functioning.
3. Describe the regulation of the human body and explain how body systems studied are integrated.
4. Relate the basic anatomy & physiology concepts to the midwifery and nursing care of clients.

Course Title: Infectious Disease

Credits	Total = 02 Theory = 01 Skill/Clinical = 01
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On completion of this course, students will be able to:

1. Integrate the Principles of teaching and learning in planning teaching session.
2. Analyze various adult learning theories and the characteristics of adult learners.
3. Differentiate in the cognitive, affective, and psychomotor domains of learning based on Bloom's taxonomy for writing objectives of teaching sessions.
4. Compare and contrast different teaching learning strategies for small and large group teachings.
5. Analyze the complexity of conditions that impact on learning.
6. Critically reflect on one's own learning.
7. Utilize appropriate health teaching strategies for diverse settings.
8. Plan patient and family education session by utilizing the steps of patient education.

Course Title: Fundamental Skills for Midwives

Credits	Total = 02 Theory = 01 Skill/Clinical = 01
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Upon completion of the course, students will be able to:

1. Apply knowledge of human anatomy and physiology as they relate to health assessment and care in midwifery practice.
2. Apply knowledge of the nervous, cardiovascular, and respiratory systems in the assessment, escalation, and documentation of vital signs.
3. Demonstrate satisfactory performance of fundamental midwifery skills, including the accurate assessment of vital signs.
4. Outline the principles of pharmacology, pharmacodynamics, and pharmacokinetics necessary for safe medication administration.
5. Apply the principles of accountable documentation to the recording of systematic health assessment data.
6. Demonstrate readiness for clinical placement and future professional midwifery practice.

Course Title: Biochemistry for Midwives

Credits	Total = 03 Theory = 02 Skill/Clinical = 01
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At the end of the course students will be able to:

1. Describe the basics of organic chemistry with emphasis on the biomolecules and reactions encountered in the biochemistry of proteins, carbohydrates, lipids, enzymes, and hormones.
2. Perform experiments to study the chemical & physical properties of biomolecules.
3. Relate the basic knowledge of biochemistry for a better understanding of the physiological functions of the human body.

Course Title: Nutrition Throughout Life Cycle

Credits	Total = 02 Theory = 02 Skill/Clinical = 00
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After completion of the course, the student is expected to:

1. Describe the relationship between nutrition and health, its effects on growth and development and the physiological basis of nutritional requirements throughout the life span.
2. Describe nutritional needs critical for development throughout pregnancy and lactation, infancy, childhood, teens, adulthood, and later years.
3. Identify eating patterns, nutritional problems and selected chronic diseases characteristic of age groups throughout the life span.
4. Recognize the health consequences of under or excess nutrient intake at critical life stages.
5. Examine commonly prevalent nutritional health-related disorders.

Course Title: Pharmacology for Midwives - I

Credits	Total = 03 Theory = 02 Skill/Clinical = 01
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Upon completion of this course, the student will be able to:

1. Apply pharmacotherapeutic management principles in the context of midwifery primary care.
2. Describe the mechanism of action of the drugs commonly used by women during pregnancy, labour, birth, and the postnatal period.
3. Apply knowledge of the quality use of medicines issues associated with midwifery practice, including prescribing.
4. Demonstrate the ability to make informed and autonomous decisions about therapeutic responses and interventions that are based on clinical judgment, scientific evidence, and safety of the childbearing woman and/or neonate within the context of the Prescribing Competencies Framework.
5. Describe the pharmacokinetic and pharmacodynamic changes to women in pregnancy, labour, birth, and the postnatal period.
6. Demonstrate woman-centred communication skills about medication used across the midwifery continuum to ensure informed decision making by the childbearing woman.

Course Title: Pharmacology for Midwives - II

Credits	Total = 03 Theory = 02 Skill/Clinical = 01
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Upon completion of this course, the student will be able to:

1. Demonstrate understanding of Drug Safety and classify drugs based on safety for pregnancy, lactation and comprehend their implications.
2. Apply pharmacokinetic principles and explain the pharmacokinetics of drugs administered to pregnant and lactating women, along with newborns.
3. Analyse effects of various drugs, assess the impact of prescribed medications, street drugs, traditional medicines, and over-the-counter drugs on pregnant women, lactating women, and fetuses.
4. Proficiently use lifesaving drugs and identify when to use critical life-saving drugs like antibiotics, anticonvulsants, antimalarials, and antiretrovirals.
5. Identify commonly used medications in obstetric, midwifery, and newborn care, understanding their applications and associated risks.
6. Understand mechanisms of medications, explain the effects, and metabolic excretion of medications commonly used in obstetric, midwifery, and newborn care.
7. Identify the legal requirements and limitations of the midwifery license regarding the use of medications and IV administration in Pakistan.

Course Title: Integrated Management of Childhood Illness & Immunization

Credits Total = 03|Theory=1.5|Skill/Clinical=0.5/01

Upon completion of this course, the student will be able to:

1. Accurately diagnose common childhood illnesses using integrated assessment methods, considering clinical symptoms and diagnostic tools.
2. Apply evidence-based practices for the integrated management of childhood illnesses, including medical, nutritional, and psychosocial interventions.
3. Administer and manage immunization programs following established protocols and schedules to ensure the safety and efficacy of vaccines.
4. Communicate effectively to educate parents and caregivers on the importance of childhood immunization, illness prevention, and early symptom recognition.
5. Work collaboratively within healthcare teams to ensure integrated care for children, considering broader health determinants.
6. Develop strategies to engage communities in understanding and participating in childhood immunization programs, fostering proactive community health approaches.

Course Title: Health assessment for Midwives

Credits Total = 03|Theory=1.5|Skill/Clinical=01/0.5

By end of the course, students will be able to

1. Demonstrate competence in history taking and consultation skills.
2. Demonstrate competence in techniques of inspection, palpation, percussion, and auscultation as part of physical assessment.
3. Demonstrate a comprehensive health assessment of the patient/client's physical, psychological, and social needs.
4. Differentiate normal physiological alterations from pathological findings.
5. Collect and accurately record the patients'/client's current health status and document effectively.

Course Title: Care for Pregnancy (Pre-conception & Antenatal) - I

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

By end of the course, students will be able to

1. Demonstrate clinical expertise in the management of pre-pregnancy, antenatal and postnatal care with low levels of complexity.
2. Demonstrate clinical expertise in consultation with a specialist in the management of all levels of intrapartum care and in pre-pregnancy, antenatal, and postnatal care with moderate levels of complexity.
3. Demonstrate clinical expertise in the management of early gynaecological cancer diagnosis/screening, early pregnancy complications with appropriate consultation with a specialist.
4. Demonstrate self-learning in women's health and other relevant areas of medical practice, including recognition of limits of their own knowledge and abilities.
5. Understand and explain underlying physiology and pathology, and the available assessment and management options to provide safe and effective care.

Clinical Objectives

Upon completion of the clinical course, the student will be able to:

1. Conduct thorough antenatal examinations and counselling adhering to the midwifery care process.
2. Safely perform health assessments of pregnant women ensuring minimal discomfort and obtaining accurate results.

3. Proficiently confirm and monitor pregnancy progression through recommended investigations in all trimesters.
4. Accurately assess and track normal fetal growth and development throughout pregnancy.
5. Identify and address pregnant women's concerns, collaboratively developing and implementing personalized care plans.

Course Title: Care for Pregnancy (Pre-conception & Antenatal) - II

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

On completion of this course, the students will be able to:

1. Integrate concepts of basic sciences and health assessment while providing care to women and baby during intrapartum period.
2. Provide high quality, culturally appropriate care during labor, incorporating principles of respectful maternity care.
3. Apply evidence-based knowledge and skills for diagnosis, interventions, and evaluation of clients during all stages of intrapartum period.
4. Identify criteria and mechanisms of referral as per facility's policy and appraise role of midwife and other health team members during referral.

Clinical Objectives

1. Recognize signs of labor and address associated risk factors.
2. Prepare women effectively for a normal birthing experience.
3. Conduct comprehensive assessments of maternal and fetal well-being throughout labor, utilizing history, clinical findings, diagnostic investigations, and procedures.
4. Identify and promptly address the health needs of women during labor.
5. Apply various pain management techniques to support women in coping with labor pains.
6. Accurately document assessments and actions in the partograph as per policy.
7. Participate in admission and discharge processes, maintaining Management Information Systems (MIS) collaboratively with the healthcare team.

Course Title: Care for Labor and Birth – I

Credits Total=04|Theory=02| Skill/Clinical=0.5/1.5

On completion of this course, the students will be able to:

1. Integrate concepts of basic sciences and health assessment while providing care to women and baby during intrapartum period.
2. Provide high quality, culturally appropriate care during labor, incorporating principles of respectful maternity care.
3. Apply evidence-based knowledge and skills for diagnosis, interventions, and evaluation of clients during all stages of intrapartum period.
4. Identify criteria and mechanisms of referral as per facility's policy and appraise role of midwife and other health team members during referral.

Clinical Objectives

Upon completion of the clinical course, the students will be able to

1. Recognize signs of labor and address associated risk factors.
2. Prepare women effectively for a normal birthing experience.
3. Conduct comprehensive assessments of maternal and fetal well-being throughout labor, utilizing history, clinical findings, diagnostic investigations, and procedures.
4. Identify and promptly address the health needs of women during labor.

5. Apply various pain management techniques to support women in coping with labor pains.
6. Accurately document assessments and actions in the partograph as per policy.
7. Participate in admission and discharge processes, maintaining Management Information Systems (MIS) collaboratively with the healthcare team.

Course Title: Care for Labor and Birth – II

Credits Total =03 | Theory = 1.5|Skill/Clinical =1.5

Upon completion of this course, students will be able to:

1. Integrate evidence-based knowledge to manage common obstetric emergencies during labor and childbirth.
2. Practice obstetric first aid, basic and comprehensive obstetric care.
3. Demonstrate ability to act appropriately in complex emergency care situations.
4. Demonstrate effective communication and counselling skills with women, their families and other health team members.
5. Practice collaboratively in multidisciplinary team and discuss patient’s plan of care.
6. Integrate ethical and legal considerations effectively while caring for women and her families during labor and childbirth.

Clinical Objectives

Upon completion of the clinical course, the students will be able to

1. Develop proficiency in identifying early signs and symptoms of complications during labor and birth, enabling timely and accurate assessment.
2. Acquire the skills to implement emergency obstetric interventions, including recognizing and responding to complications such as fetal distress, cord prolapse, and malpositioning.
3. Demonstrate advanced critical thinking skills in managing complex situations during labor and birth, making sound clinical decisions in time-sensitive and high-stress scenarios.
4. Work collaboratively within multidisciplinary healthcare teams to address complications, ensuring effective communication and coordination in the provision of emergency obstetric care.
5. Master the use of advanced monitoring techniques, such as electronic fetal monitoring and maternal-fetal assessment, to detect and respond to complications during labor promptly.
6. Advocate for patient-centered care during labor and birth, considering the physical and emotional well-being of the birthing person and their preferences while managing complications.

Course Title: Post-Partum care for Mothers and Newborn – I

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

Upon completion of this course, students will be able to:

1. Integrate concepts of physiological birth cycle and health assessment in caring for women and newborns.
2. Provide family-centred postnatal and neonatal care to promote maternal and neonatal health.
3. Apply evidence-based knowledge and skills to provide postnatal care to mothers and newborns.
4. Apply effective communication skills and principles of health promotion including identification of credible community resources for postnatal care and ongoing maternal health.

5. Apply the principles of clinical decision making to plan and evaluate safe, culturally competent, holistic, evidence-based care for women, babies, and their families in the postpartum period.
6. Integrate ethical and legal considerations effectively while caring for women and her families during the postpartum period.

Clinical Objectives

Upon completion of the clinical course, the students will be able to

1. Demonstrate proficiency in conducting thorough postpartum assessments for both mothers and newborns, including physical examinations, vital sign monitoring, and assessments for postpartum complications.
2. Deliver evidence-based education to mothers regarding postpartum recovery, newborn care, and breastfeeding support, fostering informed decision making and enhancing maternal and infant well-being.
3. Develop the skills to identify and manage common postpartum complications in both mothers and newborns, including issues related to breastfeeding, mental health, and newborn health.
4. Demonstrate competence in teaching and facilitating essential newborn care practices, including breastfeeding techniques, diapering, and newborn hygiene, to empower mothers in caring for their infants.
5. Implement strategies to promote maternal-infant bonding and attachment during the postpartum period, recognizing the importance of emotional well-being for both mother and baby.
6. Work collaboratively with interdisciplinary healthcare teams to provide comprehensive postpartum care, ensuring effective communication and coordination of services to address the unique needs of mothers and newborns.

Course Title: Post-Partum care for mothers and newborn – II

Credits

Total=04|Theory=02|Skill/Clinical=1.5/0.5

Upon completion of this course, students will be able to

1. Apply evidence-based knowledge and skills to effectively manage maternal and neonatal emergencies during the postpartum period.
2. Practice obstetric first aid, basic, and comprehensive obstetric and newborn care, ensuring a well-rounded skill set for critical situations.
3. Apply the concept of family-centred care when addressing maternal and neonatal complications, recognizing the importance of involving and supporting families.
4. Demonstrate the ability to act appropriately in complex emergency care situations, showcasing competence and confidence.
5. Demonstrate effective communication and counselling skills with women, their families, and other healthcare team members, ensuring clear and empathetic interactions.
6. Make effective referrals and ensure proper follow-up, emphasizing continuity of care for women and their families.

Clinical Objectives

Upon completion of the clinical course, the students will be able to

1. Recognize and Evaluate Postpartum Complications: Identify common postpartum complications affecting both mothers and newborns, demonstrating the ability to assess and differentiate between normal postpartum changes and signs of potential complications.

2. Provide Timely and Appropriate Interventions: Develop the skills to provide timely and effective interventions for postpartum complications, ensuring prompt and evidence-based care for mothers and newborns experiencing adverse outcomes.
3. Collaborate in Interprofessional Teams: Work collaboratively within interprofessional healthcare teams to manage postpartum complications, demonstrating effective communication and coordination with other healthcare providers involved in the care of mothers and newborns.
4. Apply Evidence-Based Practices: Apply evidence-based practices in the assessment, management, and prevention of postpartum complications, integrating the latest research and guidelines into clinical decision-making.
5. Provide Patient-Centred Care: Demonstrate sensitivity and responsiveness to the unique needs of mothers and newborns experiencing postpartum complications, fostering a patient-centred approach that addresses physical, emotional, and psychosocial aspects of care.

Course Title: Respectful Maternity Care

Credits	Total = 02 Theory = 1.5 Skill/Clinical = 0.5
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Upon completion of this course, students will be able to:

1. Appreciate interpersonal aspects of care received by women seeking maternity services.
2. Recognize the need for a woman’s relationship with maternity care providers and the maternity care system during the perinatal period.
3. Discuss evidence-based guidelines to promote respectful maternity care.
4. Review internationally adopted United Nations and other multinational declarations, conventions, and covenants.
5. Demonstrate respectful maternity care throughout the perinatal period.

Clinical Objectives

Upon completion of the clinical course, students will be able to:

1. Implement respectful maternity care practices consistently, ensuring women's dignity is prioritized across the entire perinatal spectrum.
2. Apply evidence-based care strategies throughout the maternity cycle, emphasizing practices that align with and promote respect.
3. Evaluate and critique the maternity care experiences of women in diverse settings, emphasizing the importance of respect in the analysis.
4. Foster a culture of respectful maternity care by actively engaging in collaborative discussions and activities that promote dignity and compassion.
5. Advocate for the integration of respectful maternity care principles into broader healthcare systems, promoting a holistic approach that prioritizes the well-being and autonomy of women during the perinatal period.

Course Title: Sexual and Reproductive Health

Credits	Total = 03 Theory = 03 Skill/Clinical = 00
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By the end of the course, the students will be able to:

1. Demonstrate understanding of reproductive health from clinical, epidemiological, and social perspectives.
2. Demonstrate understanding of the occurrence and prevention of sexually transmitted diseases and unwanted pregnancy.
3. Explain optimal health care during pregnancy, how poor neonatal outcomes can be reduced, and basis for significant improvements in maternal and neonatal outcomes.
4. Discuss reproductive health among communities, disadvantaged groups, and strategies to reduce inequalities in reproductive health.

5. Recognize the role of midwife in offering sexual and reproductive health services to clients.

Course Title: Breastfeeding and Lactation Management

Credits Total = 03 | Theory =1.5| Skill/Clinical =1.5

After completion of the course, the student is expected to:

1. Articulate the biological perspective, anatomy, and physiology underlying human lactation.
2. Evaluate both modifiable and non-modifiable variables impacting breastfeeding outcomes, including delivery room practices, pain relief methods, skin-to-skin contact, and rooming-in for both mother and baby.
3. Discuss the principles of demand feeding and elucidate its significance in establishing and sustaining lactation.
4. Describe strategies to support mothers who are separated from their babies, facilitating the initiation and maintenance of lactation, and optimizing infant feeding practices.
5. Recognize and promote effective positioning, attachment, and suckling techniques, empowering mothers to develop the skills needed for successful breastfeeding.
6. Provide support to mothers in initiating and maintaining breastfeeding, addressing common challenges.

Clinical / Practical Learning Outcomes

1. Conduct accurate breastfeeding history and breast examinations on pregnant and lactating women.
2. Apply in-depth knowledge of lactation physiology to establish effective breastfeeding in practical scenarios.
3. Evaluate and educate mothers on proper positioning, attachment, and suckling to enhance their breastfeeding skills.
4. Implement influential strategies, including skin-to-skin contact and rooming-in, to positively impact breastfeeding outcomes.
5. Demonstrate effective counselling skills for pregnant and lactating mothers in diverse settings such as ANC clinics, postpartum visits, and labor rooms.
6. Counsel mothers on appropriate breastfeeding practices, emphasizing techniques for proper positioning and latching.

Course Title: Public Health for Midwives

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

Upon completion of this course, students will be able to:

1. Critically appraise the main theoretical frameworks informing public health and health promotion practice
2. Demonstrate a comprehensive and critical understanding of the application of public health and health promotion interventions and the role of the midwife in the protection and promotion of the health of women, babies, families, and communities.
3. Comprehensively discuss collaborative and interdisciplinary working within the context of public health and health promotion.
4. Appraise and analyse the evidence base for public health and health promotion.
5. Demonstrate comprehensive problem solving in debating public health issues and health promotion initiatives.

Course Title: Family Planning and Post Abortion Care

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

Upon completion of this course, students will be able to:

1. Manage medical abortion and provide comprehensive post-abortion care.
2. Recognize and address non-life-threatening complications related to family planning and abortion care.
3. Deliver essential information on safe providers, relevant laws, and available contraception options.
4. Skillfully conduct pre- and post-abortion counselling to ensure informed and supported decision-making.
5. Counsel couples on the importance of family planning, both within the context of post-abortion care and as a general consideration for eligible couples.
6. Integrate ethical and legal considerations effectively in case-based situations, demonstrating a nuanced understanding of the ethical dimensions of family planning and abortion care.

Course Title: Perinatal Mental Health

Credits Total = 03 | Theory = 1.5 | Skill/Clinical = 1.5

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

1. Demonstrate understandings of the mental health issues experienced by women during pregnancy and in the first year after their babies' births.
2. Critically evaluate the major approaches to the assessment, care, and treatment of women with perinatal mental health issues and/or illnesses.
3. Identify and evaluate the effect of support systems such as the woman's, family, social and professional support on the women's psychological health.
4. Identify support services and/or referral pathways for women who require particular care, as well as personal and professional support for the midwife.
5. Demonstrate the ability to incorporate the key concepts of health and the influence of culture for Aboriginal and Torres Strait Islander families in accessing health resources.

Course Title: Early Childhood Development

Credits Total = 03 | Theory = 1.5 | Skill/Clinical = 0.5/01

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

1. Recognize and articulate key milestones in the physical, cognitive, social, and emotional development of infants and young children.
2. Integrate the concepts of ECD in assessment and provision of care to clients throughout the maternity cycle.
3. Demonstrate knowledge, and skills to serve the families and communities with young children.
4. Develop effective communication skills to educate parents and caregivers on practices promoting early childhood development, encompassing nutrition, play, and cognitive stimulation.
5. Work effectively within multidisciplinary healthcare teams to provide holistic care that addresses both the physical and developmental needs of children.
6. Demonstrate home, Centre, Institutional and Community-based approaches to increase the capacity for improving early childcare and influence public policy.

Midwifery Practicum - I

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

Practicum Outcomes

On completion of this course, the learner will be able to:

1. Independently provide comprehensive care during the normal birth cycle, demonstrating competence and confidence with minimal supervision.

2. Collaborate effectively with diverse healthcare providers within a specific setting during the maternity cycle, recognizing and fulfilling defined roles.
3. Apply evidence-based knowledge adeptly in practical settings to enhance the quality and safety of maternity care.
4. Demonstrate advanced critical thinking, problem-solving, decision-making, and leadership skills in varied practicum scenarios.
5. Utilize effective counselling skills when addressing complex reproductive and sexual health issues for women, ensuring compassionate and patient-centred care.
6. Integrate theoretical concepts into real-world practice, ensuring a comprehensive understanding of midwifery principles.

Midwifery Practicum - II

Credits	Total = 03 Theory = 00 Skill/Clinical = 03
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Practicum Outcomes

On completion of this course, the students will be able to:

1. Provide confident and competent care throughout the normal birth cycle with minimal supervision, ensuring patient safety and satisfaction.
2. Understand and proficiently fulfill desired roles within specific healthcare settings, collaborating seamlessly with diverse healthcare providers during the maternity cycle.
3. Apply evidence-based knowledge to guarantee the delivery of high-quality, informed care in diverse practical situations.
4. Demonstrate advanced critical thinking, problem-solving, decision-making, and leadership skills across various practicum experiences.
5. Utilize counselling skills adeptly to support women facing challenging reproductive and sexual health issues, fostering empathy, and understanding.
6. Seamlessly integrate theoretical concepts into real-world practice, facilitating a comprehensive understanding of midwifery principles.

Course Title: Midwifery Practicum - III

Credits	Total = 03 Theory = 00 Skill/Clinical = 03
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Practicum Outcomes

On completion of this course, the learner will be able to

1. Work autonomously, providing comprehensive care during the normal birth cycle with minimal supervision, ensuring patient safety and positive outcomes.
2. Develop a nuanced understanding of desired roles within specific healthcare settings, collaborating effectively with other healthcare providers during the maternity cycle.
3. Demonstrate advanced critical thinking, problem-solving, decision-making, and leadership skills throughout the practicum experience.
4. Practice counselling skills proficiently, addressing the complex issues women may encounter in reproductive and sexual health.
5. Utilize available resources and referral services while participating in the care of high-risk clients or those with complications.
6. Integrate all learned theoretical concepts into practice, ensuring a cohesive and informed approach to midwifery care.
7. Identify personal needs for professional development and develop goals and strategies to achieve those needs.

Course Title: Midwifery Practicum - IV

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

Practicum Objectives

On completion of this course, the learner will be able to:

1. Work independently during the normal birth cycle, providing comprehensive care with minimal supervision and ensuring positive maternal and neonatal outcomes.
2. Develop an improved understanding of desired roles within specific healthcare settings, collaborating seamlessly with other healthcare providers during the maternity cycle.
3. Apply evidence-based knowledge adeptly in practice, ensuring the delivery of high-quality and informed maternity care.
4. Demonstrate advanced critical thinking, problem-solving, decision-making, and leadership skills in diverse practicum scenarios.
5. Practice counselling skills proficiently, addressing complex reproductive and sexual health issues with sensitivity.
6. Utilize available resources and referral services adeptly while participating in the care of high-risk clients or those with complications.
7. Integrate all learned theoretical concepts into practice, ensuring a holistic and informed approach to midwifery care.
8. Demonstrate self-directed learning abilities, identifying personal needs for professional development and developing strategies to achieve those needs.

(Elective Courses within Majors)**Course Title: Alternative and Complimentary Therapies in Midwifery**

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

On successful completion of this module, students should be able to:

1. Examine the ethical and professional issues regarding the use of complementary therapies in health care practice.
2. Explore current evidence on the indications, effects, and contraindications about complementary therapies in midwifery.
3. Discuss the health implications of complementary therapies.
4. Discuss the strengths and limitations of complementary therapies and their effects within conventional health care systems.
5. Examine how to source reliable evidence of complementary therapies.

Course Title: Professional Trends & Issues in Midwifery

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

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

1. Explain the roles and the legal and professional responsibilities of the contemporary midwife.
2. Discuss contemporary trends and issues currently influencing midwifery practice.
3. Identify the links midwifery historically had with the social world and the development of medicine, and the influences of this on the profession today.

Course Title: Population Dynamics

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

By end of the course, students will be able to

1. Define the demographic transition and explain its historical relevance.
2. Describe the principal mechanisms that are associated with declining mortality, fertility, and migration as well as the relationship between these three processes.

3. Analyse basic empirical relationships between demographic and socioeconomic conditions.
4. Outline both macro and micro level processes of development and their relationship to population change.
5. Recognize and relate the role of both gender and technology in specific contexts to show their importance in demographic change.

Course Title: Community Paediatrics

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

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

1. Develop a comprehensive understanding of the principles and practices of community paediatrics, including the unique health challenges and considerations relevant to children in community settings.
2. Apply preventive paediatrics strategies to promote the health and well-being of children in the community, focusing on immunizations, screening, and early intervention programs.
3. Develop the ability to assess and address social determinants of child health, recognizing and understanding the impact of socio-economic, cultural, and environmental factors on paediatric outcomes.
4. Build skills in collaborating with community resources, including schools, public health agencies, and community organizations, to enhance paediatric healthcare delivery and community engagement.
5. Demonstrate cultural competency in paediatric care, recognizing and respecting diverse cultural norms and practices within the community, and adapting healthcare strategies accordingly.

Course Title: SRH in Humanitarian Crisis

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

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

1. Develop a deep understanding of the challenges and intricacies related to sexual and reproductive health in humanitarian crisis situations.
2. Apply foundational principles of sexual and reproductive health to effectively address the specific needs and challenges arising in humanitarian crises.
3. Demonstrate the ability to implement timely and effective sexual and reproductive health response strategies in diverse humanitarian crisis scenarios, considering ethical considerations.
4. Advocate for the rights of individuals affected by humanitarian crises to access sexual and reproductive health services, emphasizing dignity, confidentiality, and inclusivity.
5. Work collaboratively within interdisciplinary teams involved in humanitarian response, ensuring effective communication and coordination to address the diverse needs of populations in crisis.

General Education Courses

For Course Learning Outcomes (CLOs) of the mandatory 12 subjects worth 30 credits in General Education (GE) cluster, Model CLOs prepared by HEC for these courses may be consulted.