

DIPLOMA IN MIDWIFERY
COURSE SYLLABUS



Bangladesh Nursing and Midwifery Council

March 2020

DIPLOMA IN MIDWIFERY

YEAR 1 SYLLABUS

March 2020

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Preamble to Syllabus Diploma of Midwifery

The Syllabus is a document which sets out the Course Descriptors. The Course descriptors contain

- Hours in each course
- Description of the course
- Course Objectives
- Course Requirements
- Teaching and Learning Activities
- Description of Assessments
- Study textbook materials
- Course outline along with the contents and hours for each class

The Syllabus is not a stand alone document - it has to be read and used in conjunction with the following

- Curriculum
- Lesson plans for each course
- Assessment folder which sets out the assessments in detail including a full detailed description of the assessments and marking grids.

The hours in each course e.g. Fundamentals of Midwifery 250 Classroom study hours and 54 Laboratory Hours

Please note

- This does not mean there are 250 classroom taught hours
- In line with good teaching and learning pedagogy and the pedagogy that underlines the curriculum, it is important there are revision and review days where learning can be explored and consolidated. Some of the revision sessions in line with the educational pedagogy of the diploma are double sessions of 4 hours.
- In each of the courses in the lesson plan folders you will find what is to be covered in the revision and review days

The Syllabus is a document to guide teaching and learning. It is expected that teachers will also innovate and create their own learning tools and resources to enhance the students' experience and to meet the course objectives.

Course Title: DM111 Behavioural Science

Classroom Study Hours: 70

Laboratory Practice Hours: 0

Practice Hours: 0

Course Description

Introduction to the social sciences and explores growth and developmental across lifespan including the influence of culture and society on human behaviour focusing in particular on the social structure and values and beliefs of people in Bangladesh.

Course Objectives

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

1. Explain the relationship between social and other sciences
2. Explain the meaning of culture
3. Discuss the influence of cultural factors on people's health and illness in Bangladesh
4. Identify cultural beliefs and practices in Bangladesh that affect people's health and health care
5. Identify stages of physical and psychosocial development throughout the lifespan
6. Explain various processes in growth developmental including cognitive development, social-emotional development, personality development, development of sexuality, physical development and health status, and family life cycle
7. Analyse factors influencing human behaviours in different stages of development

Course Requirements

1. Attend classroom study 80%
2. Actively participate in group assignment and presentation

Teaching -Learning Activities

1. Lecture
2. Discussion
3. Group work and presentation

Course Assessments

Students will be evaluated during the year when they have completed learning related to the assessment.

1. Mid-term examination

2. Final examination
3. Group presentation on growth and development across the life span

Study Materials

Fadem B. 2016 BRS Behavioural Science (7th ed), LWW publishers Philadelphia, United States

Krishne Gowada (2017). *Essential SOCIOLOGY for BSc Nursing Students*, (1st ed), CBS Publishers & Distributors Pvt. Ltd. India.

N. Shankar Rao (2016). *Principles of sociology with an introduction to social thought* (7th ed), Nirja Publisher and Printer (p), Ltd, New Dehli, India.

Natalie D, Eggum Wilkens, Fabes R et al (2014). *Early childhood Research quarterly*. : New York: Early Childhood Education Institute.

Whitbourne SK & Whitbourne SB (2016). *Adult development and aging: Biopsychosocial perspectives*. New York: John Wiley & Sons, Inc.

C. Dworetzky JP (1997). *Psychology* (6th ed.). Pacific Grove, CA: Brooks/Cole Publishing Company.

Bhushan V (2009). *An introduction to sociology* (34th ed). Kitab Mahal 22-A S Arojini, Naido, India

Course Outline: DM 111 Behavioural Science (70/0/0)

Lesson	Topic	Hours	Learning and Teaching activities
1	Course orientation Introduction to social and behavioural science Definition Significance of psychology in midwifery profession -Historical development of evolution of psychology (from structuralism to neuropsychology) Introduction to Social science -Definition -Boundaries and social matters -Uses of behavioural science in midwifery -Relationship between social science, psychology, politics and economy	2	Lecture, Discussion Group Work
2	Culture Definition and Terminology -Values and beliefs -Customs -Rituals Cultural factors in Bangladesh context	2	Lecture, Discussion Group Work

3	Religions -Major religious groups and institutions in Bangladesh -Impact of religion on health and health care -Health-related activities in religious institutions	2	Lecture, Discussion Group Work
4	Social structure Social unit Social class Social status and economic status Social factors in community life Social laws and regulations	2	Lecture, Discussion Group Work
5	Social structure and its relationship with health care system and health of people in the society Family unit -Roles and relationships of family members -Socialization within family	2	Lecture, Discussion Group Work
6	Social structure and its relationship with health care system and health of people in the society Perceptions of pregnancy, childbirth and motherhood. -Patterns of care for new mother in the family	2	Lecture, Discussion Group Work
7	Health beliefs and practices Meaning and value of health Beliefs about causes and treatment of disease and illness Local practices for maintenance of health, treatment of disease, and the care of the sick	2	Lecture, Discussion Group Work
8	Health beliefs and practices Beliefs about food and nutrition	2	Lecture, Discussion Group Work
9	Beliefs and practices concerned with pregnancy, childbirth, breastfeeding and weaning, and childrearing	2	Lecture, Discussion Group Work
10	Folk and traditional healers Types of healers in Bangladesh -Ayurvedic -Homeopathic -Religious -Unani - TBA (dais) Examples of how traditional healers are used by people for health care	2	Lecture, Discussion Group Work
11	Education -Formal and informal education -Influence of educational level on health status, especially of women's health -Health-related activities in educational institutions	2	Lecture, Discussion Group Work

12	Social movements and initiatives regarding emerging and re-emerging health-related issues in Bangladesh	2	Lecture, Discussion Group Work
13	Psychology of Human Behaviours Motivation <ul style="list-style-type: none"> ● Significance ● Biological motives ● (hunger, thirst, sex drives, ● sexual orientation) and ● stimulus motives 	2	Lecture, Discussion Group Work
14	Theory of motivation- Maslow's Hierarchy of needs Motives	2	Lecture, Discussion
15	Review of Learning	2	Group work
16	Personality Significance Types of personality: Introvert-Extrovert Personality traits	2	Lecture, Discussion Group Work
17	Personality Theories of personality Personality	2	Lecture, Discussion Group Work
18	Growth and Development across life span Physical development	2	Lecture, Discussion
19	Growth and Development across life span Developmental psychology throughout the lifespan	2	Lecture, Discussion
20	Growth and Development across life span cognitive development	2	Lecture, Discussion
21	Growth and Development across life span social-emotional development	2	Lecture, Discussion
22	Growth and Development across life span personality development	2	Lecture, Discussion
23	Growth and Development across life span development of sexuality	2	Lecture, Discussion
24	Review of Learning	2	Group work
25	Human Development Erikson's Psychosocial stages of development throughout the lifespan	2	Lecture, Discussion
26	Human Development Piaget's view of cognitive development	2	Lecture, Discussion
27	Factors influencing human behaviours in different stages of development	2	Lecture, Discussion

28	Review of learning	2	Group work
29	(Working on group presentations) Infancy	2	Group work
30	(Working on group presentations) *Toddler (Year 1-3)	2	Group work
31	(Working on group presentations) *Preschool(Year 3-5 1/2)	2	Group work
32	Group presentations on each psychosocial stage <ul style="list-style-type: none"> ● Infancy ● *Toddler (Year 1-3) ● *Preschool(Year 3-5 1/2) 	4	(Group work) presentation
33	Group presentations <ul style="list-style-type: none"> ● Middle childhood (Year 5 1/2-12) ● Adolescence 	2	Group work
34	Group presentation <ul style="list-style-type: none"> ● Early adulthood ● *Middle adulthood ● *Late adulthood 	2	Group work

Course Title: DM112 Basic Science

Classroom Study Hours: 70

Laboratory Practice Hours: 18

Practice Hours: 0

Course Description

Introduction to the biological sciences microbiology, parasitology, and immunology including transmission of common microorganisms and parasites in maternal newborn care in Bangladesh.

Course Objectives

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

1. Identify common characteristics of living matter
2. Describe cell structures, function and cellular reproduction
3. Understand the principles of human genetics
4. Explain principles of homeostasis
5. Describe the principles of microbiology and parasitology

6. Explain reproduction, growth, and transmission of common microorganisms and parasites in Bangladesh
7. Explain human immune mechanisms and active and passive immunization
8. Explain the use of microscopy and steps to prepare and collect specimens for microscopic examination
9. Demonstrate understanding of the role of a midwife in health promotion and the principles of community based primary care including determinants of health.

Course Requirements

1. Attend classroom study 80%
2. Actively participate in class discussion and class activities

Teaching-learning Activities

1. Lecture
2. Discussion

Teaching-learning Activities

1. Lecture and discussion
2. Laboratory study (if possible, microscopic study of microorganisms should be provided. In case there is no equipment available, arranging students to visit laboratory unit in the hospital should be offered) (Lab 1-3, Lab 6)

Course Assessments

Students will be evaluated after completion of the course using the following strategies:

Mid-term examination

Final examination

Create a teaching learning session or teaching aid and teach your peers on the following

Study Materials

Audesirk T, Audesirk G, Byers BE (2005). Life on earth (4th ed.). Prentice Hall.

Goodenough J, McGuire AB & Wallace RA (2017). Biology of humans: Concepts, applications and issues. (6th ed)Prentice Hall.

Uddin N, Lutfor FB, Khandaker QH, et al. (2018). Biology (1st ed). NishargaProkashoni, Bangla bazar, Dhaka.

Gerard j.Tortora (2016) Microbiology an introduction (12th ed)USA

Anthikad J.(2013) Medical microbiology for nurses (including parasitology, 1st edition Jaypee Brothers Medical Publishers (P) Ltd New Delhi, India

Reilly J, Elschahawi D.M, Presterl E,(2019). Basic Microbiology and Infection Control for Midwives(1st ed)Switzerland

Course Outline: DM 112 Basic Science (70/18/0)

Lessons	Topic	Hours	Teaching and Learning Activities
1	Course orientation 1. Introduction to science of biology Organization of living matter: Level of organization Biosphere-Ecosystem Community-Species	2	Lecture, Discussion Group Work
2	Organization of living matter: Populations-individuals Organ systems-organ, tissue, cell, organelle Molecules, atoms, subatomic particle	2	Lecture, Discussion Group Work
3	Human biology: Body organization and homeostasis From cells to organ systems Control and coordination of the body Maintenance of the body Reproduction	2	Lecture, Discussion Group Work
4	Common characteristics of living matter Homeostasis Adaptation Reproduction and heredity	2	Lecture, Discussion Group Work
5	Common characteristics of living matter Energy acquisition and release Detection and response to stimuli Interactions	2	Lecture, Discussion Group Work
6	Homeostasis Fluid and electrolyte balance	2	Lecture, Discussion Group Work
7	Genetics Mendelian Genetics DNA and RNA Gene expression and regulation Genetic engineering (include providing knowledge in vitro Fertilization IVF)	2	Group work

8	Cell structures and functions The cell theory Cell structures Cell functions	2	Lecture, Discussion Group Work
9	Evolution Darwin's theory of evolution-Adaptation Variation Over reproduction Natural selection Evolution of population	2	Lecture, Discussion Group Work
10	Photosynthesis: Food production Overview Process of Photosynthesis Light- dependent Photosynthesis Light- independent Photosynthesis.	2	Lecture, Discussion Group Work
11	Harvesting energy Chemical pathways Glycolysis Fermentation The Kerbs cycle and electron transport.	2	Lecture, Discussion Group Work
12	Cell reproduction Cell growth Cell division Regulating the cell cycle	2	Lecture, Discussion Group Work
13	Introduction to microbiology and parasitology Scope of microbiology and parasitology History of microbiology Introduction to bacteria and viruses and parasites Microbes and human diseases -Normal microbiota (flora)	2	Lecture, Discussion Group Work
14	Nature, reproduction, growth, and transmission of common microorganisms and parasites in Bangladesh: Introduction to types of Bacteria: Cocci -Diplococci (Pneumonia, Gonorrhoea) -Streptococci (Throat infection, Rheumatic fever) -Staphylococci (Wound and skin infection) Bacilli	2	Lecture, Discussion Group Work

15	Introduction to types of Bacteria continued : Gram positive (Tetanus, Botulism, Anthrax) -Gram negative (E.Coli, Shigella and Salmonella gastro-intestinal infection)	2	Lecture, Discussion Group Work
16	Introduction to types of Bacteria continued: -Acid fast (Tuberculosis, Leprosy)2.1.3 Spiral form -Vibrio (Cholera) -Spirochetes (Syphilis, Haemorrhagic jaundice) -Helicobacter pylori (Peptic ulcer)	2	Lecture, Discussion Group Work
17	Identification of microorganisms Microscopy -Light microscopy Methods for light microscopic examination -Preparing smears for staining -Simple stains -Differential stains (gram stain, acid-fast stain)	2	Lecture, Discussion Group Work
18	Identification of microorganisms Cultures of microorganisms -Basic principles -Media -Culture techniques	2	Lecture, Discussion Group Work
19	Lab 1: Microscopic study of bacteria -I	2	Lab
20	Lab 2: Microscopic study of bacteria -II	2	Lab
21	Introduction to Viruses Use common viruses affecting pregnancy and newborn babies as examples, Pneumotropic (viral pneumonia, influenza) Neurotropic (viral encephalitis, Polio, Rabies) Viscerotropic (infectious hepatitis, Dengue fever, yellow fever)	2	Lecture, Discussion Group Work
22	Introduction to Viruses continues Dermatropic (Measles, Chicken Pox, Warts) Human Immunodeficiency Virus or HIV and Acquired Immune Deficiency Syndrome or AIDS	2	Lecture, Discussion Group Work
23	Introduction to Fungi using common fungi affecting pregnancy and newborns as examples Dermatophyte: Tineas or ring worms (Mycoses) Candida: Candidiasis (Thrush, vaginal yeast infection)	2	Lecture, Discussion Group Work

24	Lab 3: Microscopic study of viruses and fungi	2	Lab
25	Lab 4: Microscopic study of viruses and fungi	2	Lab
26	Introduction to Parasites Use common parasites affecting pregnancy and newborn babies as examples, Parasites: Protozoa and Helminths Plasmodium falsiparum, vivax, ovale, malariae (Malaria) Leishmania dovani (kala azar or dum dum fever) Entamoeba histolytica (amoebic dysentery)	2	Lecture, Discussion Group Work
27	Introduction to Parasites continues Tapeworms, pinworms, hookworms, and roundworms Trichomonas vaginalis (trichomoniasis) Chlamydia	2	Lecture, Discussion Group Work
28	Lab 5: Microscopic study of parasites	2	Lab
29	Microorganisms and human diseases: Capabilities of a pathogen how they then turn into disease Maintaining reservoirs: Human/animal Getting and entering the host Adhering to a body surface Invading the body	2	Lecture, Discussion Group Work
30	Microorganisms and human diseases: Capabilities of a pathogen how they then turn into disease continued Evading the body's defence Multiplying in the host Leaving the body	2	Lecture, Discussion Group Work
31	Identification of microorganisms Cultures of microorganisms -Basic principles -Media -Culture techniques	2	Lecture, Discussion Group Work
32	Examination of human specimens -Swabs (nose, throat, cervix, ulcers, and wounds) -Sputum -Stool -Urine	2	Lecture, Discussion Group Work
33	Lab 6: Preparation and collection of human specimens:	2	Lab
34	Lab 7: Preparation and collection of human specimens:	2	Lab
35	Review of Learning	2	Group work

36	Controlling of microbial growth Sterilization Physical methods- Heat- Moist- Autoclaving, Boiling Dry- Flaming	2	Lecture, Discussion Group Work
37	Chemical methods - Hand wash, chlorination, savlon	2	Lecture, Discussion Group Work
38	Lab: 8 Controlling of microbial growth	2	Lab
39	Immune system Adaptive immunity Passive and active immunity	2	Lecture, Discussion Group Work
40	Immunization Active immunization -Vaccines: Types and characteristics -Bangladesh and WHO Health Care Policy on active immunization Passive immunization	2	Lecture, Discussion Group Work
41	Lab 9: Clinical visit (pathological lab)	2	Lab
42	Prevention and controlling of microorganism - Hospital acquired infection - Common hospital acquired infection	2	Lecture, Discussion Group Work
43	Control of hospital acquired infection	2	Lecture, Discussion Group Work
44	Principles of community based primary care including determinants of health.	2	Lecture, Discussion Group Work

Course Title: DM 123 Anatomy and Physiology

Classroom Study Hours: 180

Laboratory Practice Hours: 54

Practice Hours: 0

Course Description

This course provides a sound base in anatomy and physiology for the midwifery students to apply to midwifery practice

Course Objectives

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

1. Describe the anatomical structures and physiological functions of the human body

2. Identify the different organ systems and their functions
3. Describe physiological processes of major human organ systems and the role of haemostasis in maintain their integrity

Course Requirements

1. Attend classroom study 80% (students must attend on the scheduled dates for quiz);
2. Attend laboratory sessions 100%;

Teaching-learning Activities

1. Lecture
2. Laboratory practice
3. Self-study

Course Assessment

Students will be evaluated after completion of the course using the following strategies:

Mid term, final & others = 100%

1. Mid-term examination
2. Final examination
3. Lab & quiz

Study Materials

Berne RM & Levy MN (2010). *Physiology* (6th ed). St Louis, MO: Mosby. United States.

Ducksta, C. et al. (2001). *Anatomy and physiology: Made incredibly easy*. Springhouse, PA: Springhouse Corporation.

Garg K, Mittal PA and Chandrupatla (2015). *BD Chaurasia's Human Anatomy, vol 1-3* (6th ed). CBS Publishers & Distributors PVT. LTD, New Delhi, India.

Pflanzer, R. (2003). *Human physiology* (4th ed.). Pacific Grove, CA: Thomson.

Tortora, GJ (2010). *Introduction to the human body: the essentials of anatomy and physiology*. (8th ed). JohnWiley& Sons Inc, NY

Waugh A, Grant A (2002). *Ross & Wilson: Anatomy and Physiology in Health and Illness* (9th ed). Churchill Livingstone, Elsevier Science Limited, Edinburgh-London-New York

Ira Fox S, (2011) *Human physiology*, 12th edition, The McGraw-Hill Companies, Inc.,
1221 Avenue of the Americas, New York,

Khurana I, (2010), *Textbook of Anatomy and Physiology for Nurses, and Allied Health Sciences*, 1st edition, CBS Publishers & Distributors PVT. LTD, New Delhi-India

Ashalatha PR, Deepa G, (2015), *Text book of ANATOMY & PHYSIOLOGY for Nurses*, 4th edition. Japee The Health Sciences Publishers

Garg K, Mittal PS and Chandrupatla, (2015) *BD chaurasia's Human Anatomy*, Vol-1,2,3, (6th edition), CBS Publishers & Distributors PVT. LTD, New Delhi-India

Course Outline:DM123 Anatomy and Physiology (180/54/0)

Lessons	Topic	Hours	Teaching and Learning Activities
1	Orientation to the topic Introduction to anatomy and physiology Significance Definitions Anatomical terminology Anatomical structure	2	Lecture, Discussion Group Work
2	Introduction to anatomy and physiology Physiological functions of: -Cells -Tissues -Membranes and glands -Organs	2	Lecture, Discussion Group Work
3	Review of Learning (1)	4	Group work
4	Lab 1: introduction to lab and equipment in lab part 1	2	Lab
5	Lab 2: introduction to lab and equipment in lab part II	2	Lab
6	Skeletal structure Body movement Structure and functions of: -Bones	2	Lecture, Discussion Group Work
7	Skeletal structure Cartilage -Joints and ligaments Changes during pregnancy	2	Lecture, Discussion Group Work
8	Group revision session skeletal system	4	Group work
9	Lab 3: Gross and microscopic structure of skeletal system	2	Lab
10	Muscular system Functions of Muscles Types of Muscles 5 Major Muscles in Body	2	Lecture, Discussion Group Work
11	Group revision session Muscular system	4	Group work

12	Lab 4: Gross and microscopic structure of muscular system	2	Lab
13	Structure, homeostasis and metabolism of: Nervous system -Nerve tissues -Central nervous system (CNS) -Peripheral nervous system (PNS) Lab practice model and microscopic structure (if possible)	2	Lecture, Discussion Group Work
14	Structure, homeostasis and metabolism of Nerve system continued Autonomic nervous system (ANS) -General sensory and motor pathway	2	Lecture, Discussion Group Work
15	Group revision session Nervous system	4	Group work
16	Review of Learning (2)	4	Group work
17	Lab 5 Gross structure of nervous system	2	Lab
18	Lab 6 Drawing sensory and motor pathway	2	Lab
19	Endocrine system -Pituitary gland -Thyroid gland -Parathyroid gland	2	Lecture, Discussion Group Work
20	Endocrine system cont Adrenal gland -Islets of Langerhans	2	Lecture, Discussion Group Work
21	Endocrine system cont -Gonads -Pineal gland Changes during pregnancy	2	Lecture, Discussion Group Work
22	Group revision session Endocrine system	4	Group work
23	Lab 7 Gross structure of endocrine system Interpreting Thyroid function test	2	Lab
24	Lab 8 Interpreting Thyroid function test	2	Lab
25	Cardiovascular system -Blood/Blood vessels -Heart and cardiac cycle -Blood circulation	2	Lecture, Discussion Group Work

26	Cardiovascular system Fetal circulation	2	Lecture, Discussion Group Work
27	Cardiovascular system cont Changes during pregnancy for mother	2	Lecture, Discussion Group Work
28	Group revision session Cardiovascular system	4	Group work
29	Lab 9: Gross structure of cardiovascular system Interpreting normal ECG	2	Lab
30	Lab 10: Interpreting normal ECG	2	Lab
31	Respiratory system -Nose, pharynx, larynx, -Trachea and bronchus -Lungs: lobe and pleura	2	Lecture, Discussion Group Work
32	Respiratory system Inspiration and expiration	2	Lecture, Discussion Group Work
33	Respiratory system Gas exchanges Roles of lung in controlling acid-base Balance Changes during pregnancy	2	Lecture, Discussion Group Work
34	Group revision session Respiratory system	4	Group work
35	Lab 11: Gross structure of respiratory system	2	Lab
36	Lab 12: Reading normal arterial blood gas	2	Lab
37	Digestive system -Tongue, teeth, saliva gland and pharynx -Oesophagus -Stomach	2	Lecture, Discussion Group Work
38	Digestive system continued Small and large intestine -Pancreas -Liver and biliary system	2	Lecture, Discussion Group Work
39	Digestive system continued Mastication, digestion, absorption, and elimination	2	Lecture, Discussion Group Work
40	Group revision session Digestive system	4	Group work
41	Review of Learning (3)	4	Group work
42	Lab 13: Gross structure of digestive system	2	Lab

43	Lab 14: Reading normal liver function test, gastric emptying time, stool examination	2	Lab
44	Urinary system -Kidney -Ureter	2	Lecture, Discussion Group Work
45	Urinary system Urinary bladder -Urethra	2	Lecture, Discussion Group Work
46	Urinary system continued Urine formation -Hormones and the urinary system Changes during pregnancy	2	Lecture, Discussion Group Work
47	Group revision session Urinary system	4	Group work
48	Lab 15 Gross structure of urinary system	2	Lab
49	Lab 16: Reading normal urine examination	2	Lab
50	Male reproductive system Penis and scrotum Testes Duct system Prostate gland	2	Lecture, Discussion Group Work
51	Male reproductive system cont.. Spermatogenesis Hormonal control and sexual development	2	Lecture, Discussion Group Work
52	Group revision system Male reproductive system	4	Group work
53	Lab 17: Gross structure of male reproductive system	2	Lab
54	Female reproductive system External genitalia Vagina	2	Lecture, Discussion Group Work
55	Female reproductive system Cervix and uterus Fallopian tubes and ovaries	2	Lecture, Discussion Group Work
56	Female reproductive system continued Mammary glands Hormonal functions and menstrual cycle	2	Lecture, Discussion Group Work
57	Female reproductive system continued Changes during pregnancy	2	Lecture, Discussion Group Work

58	Female reproductive system continued Conception Fertilization	2	Lecture, Discussion Group Work
59	Review of learning (5)	4	Group work
60	Anatomy of the female pelvis	2	Lecture, Discussion Group Work
61	Anatomy of the fetal skull	2	Lecture, Discussion Group Work
62	Group Revision Female reproductive system	4	Group work
63	Lab 18: Gross structure of female reproductive system	4	Lab
64	Hematologic system -Blood components: red blood cells (RBC), white blood cells (WBC), -Blood groups	2	Lecture, Discussion
65	Hematologic system continued Platelets Coagulation factors	2	Lecture, Discussion
66	Hematologic system continued Blood groups	2	Lecture, Discussion
67	Group Revision Hematologic system	4	Group work
68	Lab 19 : Histologic structure of hematologic system	2	Lab
69	Lab 20: Reading and interpreting normal complete blood counts (CBC)	2	Lab
70	Sensory organs -Skin	2	Lecture, Discussion
71	Sensory organs cont Mouth and tongue	2	Lecture, Discussion
72	Sensory organs cont Nose	2	Lecture, Discussion
73	Sensory organs cont Eyes Ears	2	Lecture, Discussion
74	Group Revision Sensory Organs	4	Group work

75	Lab 21: Testing sensation -Visual acuity	2	Lab
76	Review of Learning (5)	4	Group work
77	Integumentary system -Skin layers	2	Lecture, Discussion
78	Integumentary system Epidermal appendages	2	Lecture, Discussion
79	Integumentary system Changes during pregnancy	2	Lecture, Discussion
80	Integumentary system -Regulating of body temperature	2	Lecture, Discussion
81	Group Revision Integumentary system	4	Group work
82	Review of Learning (6)	4	Group work
83	Lab 22: Gross/histologic structure of integumentary system	4	Lab
84	Immune system -Central lymphoid organs and tissues: Bone marrows and Thymus	2	Lecture, Discussion
85	Immune system continued Peripheral lymphoid organs and tissues: Lymph nodes, lymph, and lymphatic vessels	2	Lecture, Discussion
86	Immune system continued -General host defences -Specific host defences Changes during pregnancy	4	Lecture, Discussion
87	Group revision Immune system	4	Group work
88	Review of Learning (7)	4	Group work
89	Lab 23: Histologic structure of immune system	4	Lab
90	Review of learning (8)	4	Group work
91	Review of Learning	2	Lab

Course Title: DM124 Professional frameworks and Communication in Midwifery

Classroom Study Hours: 100

Laboratory Practice Hours: 42

Practice Hours: 0

Course Description

Introduction to midwifery, the midwifery model of care, midwifery pillars (standards) of practice, and the theoretical, frameworks that inform the midwifery profession both in Bangladesh and internationally. Interpersonal communication skills will be developed. This will include assertive and responsible communication for professional therapeutic relationships. In addition the course will provide knowledge and provide a foundation for the development of skills of midwifery leadership, advocacy and assertiveness

Course Objectives

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

1. Describe the history of midwifery both internationally and in Bangladesh
2. Describe legal, professional, regulatory and ethical frameworks that inform midwifery practice
3. Explore the factors that impact on and support women's health and wellbeing including the social determinants of health and the health systems and structure of Bangladesh
4. Describe the Bangladesh National and the International Confederation of Midwives competencies for practice
5. Explain the functions of and demonstrate interpersonal and therapeutic communication in midwifery including assertiveness and advocacy
6. Identify barriers to effective communication, and state strategies to overcome the barriers to effective communication
7. Demonstrate midwifery skills for beginning midwifery practice

Course Requirements

1. Attend theoretical class 80%
2. Actively participate in group assignments
1. Actively participate in role plays and other learning exercises

Teaching and Learning Activities

1. Lecture
2. Group discussion and written assignments
3. Written individual weekly notes
4. Reading assignments
5. Case analyses using role play or VDO transcript
6. Discussion
7. Role plays
8. Group work
9. Presentations
10. Assertiveness and advocacy role play

Course Assessment

Students will be evaluated after completion of the course using the following strategies:

1. Group Poster Presentation models of midwifery
2. Video assessment of communication skills (presented in class)
3. Final Exam

Study Materials:

Arnold, E., & Boggs, K. U. (2015). Interpersonal relationships: Professional communication skills for nurses (7th ed.). St. Louis, MO: Saunders.

Darley, M., & Edwards, C. (Eds.). (2002). Managing communication in health care. Edinburg, London: Bailliere Tindall.

Riley, J. B. (2008). Communication in nursing (5th ed.). St. Louis, MO: Mosby.

www.bmsone.com

Lucille A. Joel, (2011) Dimensions of Professional Nursing, Dimensions of Professional Nursing (Kelly) (10th ed) McGraw-Hill Education / Medical

Course Outline: DM 124 Professional Frameworks & Communication in Midwifery (100/42)

	Topic	Hours	Learning and Teaching activities
1	History of Midwifery -History of Midwifery and Birth in Bangladesh	2	Lecture, Discussion Group Work

2	Midwifery in Bangladesh -Role of Bangladesh Midwifery Society -Introduce Online membership, Massive Open Online Course (MOOC) -Introduce BMS e-learning course	2	Lecture, Discussion Group Work
3	SDG goals and influences on women and babies -SDG Goals -The social, cultural, political environment affecting childbirth	2	Lecture, Discussion Group Work
4	Social Determinants of Health -Impact of social determinants on health and well being	2	Lecture, Discussion Group Work
5	Health system Bangladesh -The Health System and the Maternity System in Bangladesh -Available birth settings -The barriers to women accessing maternity care	2	Lecture, Discussion Group Work
6	Frameworks that inform midwifery and exploration of concepts such as confidentiality and accountability -Professional frameworks -Theoretical frameworks	2	Lecture, Discussion Group Work
7	Frameworks that inform midwifery and exploration of concepts such as confidentiality and accountability -Bangladesh Legal and regulatory frameworks (regulation, registration and licensing)	2	Lecture, Discussion Group Work
8	Ethical Frameworks -Concept of ethics and law -difference between ethics and law	2	Lecture, Discussion Group Work
9	Frameworks that inform midwifery -Code of Ethics -Cultural safety/respectful care -Standards for Midwifery Practice	2	Lecture, Discussion Group Work
10	ICM Competencies for Practice	2	Lecture, Discussion
11	Models of Midwifery Care Part 1 -Partnership	2	Lecture, Discussion Group Work
12	Models of Midwifery Care Part II -Women centred	2	Lecture, Discussion Group Work

13	Review of Learning	2	Group work
14	Respectful Maternity Care Workshop Part 1	6	Lecture, Discussion Group Work
15	Lab 1: Respectful Maternity Care Workshop Part II	4	Lab
16	Lab2: Respectful Maternity Care Workshop Part III	4	Lab
17	Respectful Newborn care	2	Lecture, Discussion
18	Lab 3: Workshop on Respectful Newborn care	2	Lab
19	Poster Presentation -How to prepare and present a poster	2	Lecture, Discussion
20	Poster Presentation -Time to work on poster and prepare it	4	Group work
21	Midwifery skills of critical thinking and reflective practice -What is critical thinking -Models of critical thinking and problem solving	2	Lecture, Discussion Group Work
22	Midwifery skills of critical thinking and reflective practice -What is reflective practice -Why is reflective practice important in midwifery practice	2	Lecture, Discussion Group Work
23	Leadership skills - Midwifery Leaders - Styles of Leadership - Leadership skills	2	Lecture, Discussion Group Work
24	Lab 4: Leadership and different types of leadership Role play	4	Lab
25	Advocacy and Assertiveness skills Part 1 -Definitions of Advocacy and Assertiveness -Advocacy skills -Assertiveness skills	2	Lecture, Discussion Group Work
26	Advocacy and Assertiveness skills Part II Midwifery Advocacy and Assertiveness -Midwifery Advocacy and Assertiveness	2	Lecture, Discussion Group Work

	-Practice of Advocacy and Assertiveness		
27	Review of Learning	2	Group work
28	Poster Presentation of Models of Midwifery	6	Group work
29	Communication - Concept - Types of communication Importance of communication in Midwifery	2	Lecture, Discussion Group Work
30	Communication -Process of Communication - Tools for effective communication	2	Lecture, Discussion Group Work
31	Communication - Qualities of good communicators Barriers of effective communication in midwifery	2	Lecture, Discussion Group Work
32	Communication - Keys to understand the types of communication for Midwives levels of communication	2	Lecture, Discussion Group Work
33	Introduction to interpersonal and therapeutic communication in midwifery -Interpersonal communication skills -Therapeutic Communication skills	2	Lecture, Discussion Group Work
34	Lab 5: Advocacy and Assertive communication – Practice session	2	Lab
35	Lab 6: Aggressiveness and Assertive communication – Practice session	2	Lab
36	Review of Learning	2	Group work
37	Learning to communicate as a health professional - Empathy -Questioning -Expressing opinions	2	Lecture, Discussion Group Work
38	Learning to communicate as a health professional -Questioning -Expressing opinions	2	Lecture, Discussion Group Work
39	Lab 7: Practice skill Empathy	2	Lab
40	Barriers to the development of interpersonal relationships and effective communication -Skills for effective communication	2	Lecture, Discussion Group Work

41	Barriers to the development of interpersonal relationships and effective communication -Breaking bad news	2	Lecture, Discussion Group Work
42	Lab 8: Breaking bad news practice skills	2	Lab
43	Review of learning	2	Group Work
44	Informed consent and confidentiality -Principles of informed consent -Confidentiality as a health professional	2	Lecture, Discussion Group Work
45	Communicating with healthcare professionals: - ISBAR and SOAP	2	Lecture, Discussion Group Work
46	Lab 9: Skills lab communication part 1	2	Lab
47	Lab 10: Skills lab communication part II	2	Lab
48	Documentation - Meaning and importance of documentation -Criteria of documentation	2	Lecture, Discussion Group Work
49	Documentation -Responsibilities of a Health professional in record keeping and report writing -Good Documentation	2	Lecture, Discussion Group Work
50	Lab 11: Skills lab documentation	4	Lab
51	Review of learning sessions	2	Group work
52	Conflict management and ethical decision making -Concept of conflict - Sources of conflict in the clinical area	2	Lecture, Discussion Group Work
53	Conflict and Conflict Resolution -ethical aspect of conflict resolution -ethical concern for midwives in health care	2	Lecture, Discussion Group Work
54	Conflict and Conflict Resolution -Principles of conflict resolution -theoretical model and styles of conflict management in midwifery	2	Lecture, Discussion Group Work

55	lab 12: Conflict resolution practice session1	2	Lab
56	Lab 13: Conflict resolution practice session 1I	2	Lab
57	Lab 14: Revisit Reflective practice -Why reflective practice is important in midwifery practice -Applying reflective practice to experiences in clinical	2	Lab
58	Revisit Critical thinking Why critical thinking is important in midwifery practice -Apply critical thinking to experiences in clinical	2	Lab
59	Review of Learning	4	Group work
60	Lab 15: Workshop where all skills learnt, communication, advocacy, conflict resolution, reflection critical thinking, respectful care are practiced	4	Lab

Course Title: DM 135 Fundamentals of Midwifery

Classroom Study Hours: 250

Laboratory Practice Hours: 54

Practice Hours: 192

Course Description

This course focuses on developing the foundational knowledge base and skills for midwifery practice related to the normal maternity experience including care of the newborn. The students will provide safe, competent, woman centred midwifery care within the scope of the normal maternity experience.

Course Objectives

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

1. Demonstrate beginning knowledge, assessment and critical thinking skills related to antenatal, intrapartum, postpartum and newborn care.
2. Explain decision points for midwifery care across the scope of practice
3. Demonstrate knowledge and understanding of the anatomy and physiology of women

throughout the maternity experience

4. Demonstrate an understanding of nutrition in relation to health and wellbeing and conditions associated with lack of good nutrition
5. Demonstrate understanding of selected practice skills in caring for a woman through the maternity experience childbirth continuum

Upon completion of the clinical placement the student will be able to:

1. Demonstrate a beginning understanding of the principles of professionalism, leadership and partnership and begin to apply them in practice.
2. Demonstrate a beginning knowledge and skills of safe competent midwifery practice within the normal scope
3. Demonstrate a beginning understanding of the diversity of midwifery practice and the experience of women and the complexities of decision-making
4. Demonstrate a beginning ability to critically think and reflect upon practice.
5. Demonstrate competence in named practice skills

Pillars (Standards) of Practice

Professionalism and Leadership

Beginning application of the principles of professionalism showing an ability to be accountable, communicate (verbally and written) and advocate. Beginning skills of leadership in relation to information giving and education for women.

Partnership

Shows some beginning skills in relation to forming a professional relationship with a woman and her family.

Knowledge

Beginning midwifery knowledge of antenatal, intrapartum and postpartum periods.

Critical thinking

Beginning skills of Problem solving and Analysis

Beginning ability to apply critical thinking skills including assessment and anticipation

Competence

Competently undertakes a maternal and neonatal postnatal assessment. Beginning ability to carry out clinical problem solving, using an holistic midwifery framework

Competence in named practice skills.

Time management.

Decision Making

Beginning understanding of the processes of decision-making in the midwifery practice setting.

A beginning appreciation of the diversity of midwifery practice and the complexities of decision-making and relationships in the midwifery context.
Beginning decision-making skills.

Practice Skills

Vital signs (BP, pulse, temperature and respirations), charting results

Urinalysis

Medical and Surgical Asepsis in practice (hand washing and universal precautions)

Gloving and gowning

Beginning understanding of antenatal care

Education of woman about MSU/ Urinalysis

Beginning understanding of labour and birth and can be present in an appropriate manner during the labour and birth.

Postnatal care; competently assesses mother and baby at a beginning level

Beginning understanding of breastfeeding can advise women on basic positioning

Course Assessments

Theory

1. Group Presentation Assignment role of the midwife in antenatal, labour, birth, postnatal and with the newborn
2. Mid-year Summative Exam
3. Final Summative Exam

Clinical

- Exemplars
- OSCA
- Case Study

Course Resources:

Marshall J, Raynor, M. (2014). *Myles Textbook for Midwives* (16th ed). Churchill Livingstone, UK.

Macdonald S (2011). *Mayer's Midwifery: A Textbook for Midwives*. (14th ed). Baillière Tindall

Johnson R, Taylor W (2016). *Skills for Midwifery Practice* (4th ed). Churchill Livingstone, UK.

Lewis Louise (2015) *Fundamentals of Midwifery, A Textbook for Students* (2015 1st ed:). John Wiley and Sons, Ltd. UK. University of Hull.

Nanjunde SN Gowda, Jyoiti Nanjunde Gowda.(2010) *Fundamentals of Nursing for General Nursing and Midwifery*. 2nd ed, Jaypee Brothers Medical Publishers(P) Ltd.Karnataka, India.

Dempsey J., Hillege S. & Hill R. (2013) *Fundamentals of Nursing and Midwifery: a Person Centered Approach to Care*, 2nd ed, LIPPINCOTT WILLIAMS & WILKINS, Australia

Tharpe L., Farley C. & Jordan R (2017) *Clinical Practice Guidelines for Midwifery Women's Health*, 5th ed. USA.

Jordan R., Farley C., Grace & K. (2019), *Prenatal and Postnatal Care A women's Centered Approach* 2nd ed. USA.

Polin R., & Adman S. (2010) *Fetal and Neonatal Physiology*, 4th ed. Columbia University Medical Center, New York

Course and Content Outline: DM 135 Fundamentals of Midwifery (250/54)

Lessons	Topic	Hours	Learning and teaching activities
1.	Introduction to Course Fundamentals of Midwifery Midwife's role in normal pregnancy, birth, puerperium	2	Lecture, Discussion Group Work
2.	Anatomy and physiology relating to conception, reproduction and pregnancy -Review of Menstrual cycle, Conception, fertilisation and implantation	2	Lecture, Discussion
3.	Diagnosis of pregnancy, EDD, LMP. Gravida. Parity	2	Lecture, Discussion Group Work
4.	Revision of Learning	4	Group Work
5	Introduction to Antenatal Care Vital signs, blood pressure, pulse temperature, respirations, urinalysis	2	Lecture, Discussion Group Work
6.	Lab 1: Practice skills: BP and vital signs and urinalysis	2	Lab
7.	Revision of Anatomy and physiology relating to conception, reproduction and pregnancy <ul style="list-style-type: none"> • Anatomy of the pelvis • Anatomy of the fetal skull 	2	Lecture, Discussion
8.	Lab 2: Practice session Anatomy of the pelvis and fetal skull	2	Lab
9.	Fetal growth and Development Part 1 Major stages of embryological development of the fetus	2	Lecture, Discussion
10.	Fetal growth and Development Part II Major stages of embryological development of the fetus cont	2	Lecture, Discussion
11	Revision of Learning	4	Group work

12	Structure of placenta and membranes	2	Lecture, Discussion
13	Function of placenta and membranes	2	Lecture and Discussion
14	Introduction to Antenatal Care Signs and Symptoms of Pregnancy How to confirm a pregnancy	2	Lecture, Discussion Group Work
15	Introduction to Antenatal Care Schedule of Antenatal visits Decision points of pregnancy	2	Lecture, Discussion Group Work
16	Antenatal History taking Meeting the woman for the first-time- Partnership, Informed Consent, and Health History Initial Antenatal visit – what takes place	2	Lecture, Discussion Group Work
17	Lab 3: Practice Skills Taking a health history/1 st antenatal visit OSCA topic: Normal ANC assessment #1	2	Lab
18	Group presentations role plays of 1 st antenatal visit	2	Group work
19	Revision of Learning	4	Group Work
20	Anatomical changes in pregnancy	2	Lecture, Discussion
21	Psychological Changes during Pregnancy	2	Lecture, Discussion
22	Introduction to Antenatal Care tests and investigations -Laboratory tests taken during pregnancy (first and ongoing antenatal bloods) -Urinalysis	2	Lecture, Discussion Group Work
23	Handwashing Universal Precautions Gowning and Gloving	2	Lecture, Discussion
24	Lab 4: Practice skills -handwashing -Universal precautions,	2	Lab

25	Lab 5: Practice skills Gowning and gloving	2	Lab
26	Venepuncture	2	Lecture, Discussion
27	Lab 6: Practice skills -Venepuncture	2	Lab
28	Lab 7: Revision of Learning including opportunity to practice new practice skills	2	Lab
29	Antenatal Assessment of well woman Abdominal inspection, percussion, palpation and auscultation	2	Lecture, Discussion
30	Antenatal Assessment of baby -Introduction to how to determine fetal well-being during pregnancy -Normal growth patterns	2	Lecture, Discussion
31	Lab 8:Practice Skills Abdominal palpation OSCA topic: Normal ANC assessment #2	2	Lab
32	Revision of Learning	4	Group work
33	Common Discomforts during Pregnancy 1	2	Group work
34	Common Discomforts during Pregnancy II	2	Group presentation
35	Birth planning/Place of birth	2	Lecture, Discussion Group Work
36	Introduction Labour and Birth -Physiology of labour and birth -Indicators that labour is beginning	2	Lecture, Discussion Group Work
37	Stages of Labour -What are the stages of labour -How to recognise the stages of labour	2	Lecture, Discussion Group Work
38	Stages of Labour exploring different aspects of stages of labour such as latent phase of labour and prolonged 2nd stage of labour	2	Lecture, Discussion Group Work

39	Mechanisms of labour Power, passage, passenger, position and psyche	2	Lecture, Discussion Group Work
40	Lab 9: Practice skills: Mechanisms of labour OSCA topic : Normal Labour assessment #1	2	Lab
41	Labour and Birth -Beginning understanding about how to be present in an appropriate manner -Comfort measures in labour: eg. family presence/assistance, positioning, hydration, emotional support	2	Lecture, Discussion Group Work
42	Physiological Process of Pain	2	Lecture, Discussion Group Work
43	Non-pharmacological methods of pain relief.	2	Lecture, Discussion Group Work
44	Labour and Birth How to monitor maternal and fetal well-being in labour	2	Lecture, Discussion Group Work
45	Revision of Learning	4	Group Work
46	Lab 10:Practice skill: Normal labour assessment OSCA topic: Normal Labour assessment #2	2	Lab
47	Normal progression of labour and how to use the partograph	2	Lecture, Discussion
48	How to use the partograph	2	Lecture, Discussion
49	Lab 11: Practice skill: Using the partograph	2	Lab
50	Vaginal examination	2	Lecture, Discussion
51	Lab 12: Practice skill Vaginal examination OSCA topic: Normal- Essential care for labor and birth (ECLB) #1	2	Lab
52	Second Stage of Labour	2	Lecture, Discussion

	-Correct procedures for a clean birth, showing understanding of sterile field and correct disposal of wastes and sharps		
53	Second Stage & Midwifery Care in Second Stage of Labour -Recognising 2 nd stage of Labour -Preparation for birth, -getting equipment ready, -supporting woman	2	Lecture, Discussion
54	Second stage of labour -Birth of the baby -Midwifery skills	2	Lecture Discussion
55	Lab 13: Practice Skill: Essential care for labour and birth (including birthing the baby) OSCA: Normal- Essential care for labor and birth (ECLB) #2	2	Lab
56	Revision of Learning	4	Group work
57	Third Stage of Labour and Midwifery Care in Third Stage -Active and physiological management of 3 rd stage -Ecbolic/Uterotonics used in 3 rd stage	2	Lecture, Discussion
58	Third stage -Examination of the placenta	2	Lecture, Discussion
59	Third stage -Examination of the genital tract and perineum	2	Lecture, Discussion
60	Third stage -Post-partum haemorrhage an introduction	2	Lecture, Discussion
61	Lab 14: Practice Skill: 3 rd stage management OSCA topic : Normal- PNC assessment #1	2	Lab
62	Revision of Learning	4	Group work
63	Adaptation of baby at birth	2	Lecture, Discussion

64	Welcoming the baby and Immediate Initial Essential Newborn Care (IENC) at birth I	2	Lecture, Discussion Group Work
65	Welcoming the baby and Immediate Essential Newborn Care (INC) at birth II	2	Lecture, Discussion Group Work
66	Lab 15: Practice Skill: Essential Newborn Care (INC) at birth 1 OSCA topic : Normal- Essential care for every newborn (ECEN) #1	2	Lab
67	Lab 16: Practice Skill: Essential Newborn Care (INC) at birth II OSCA topic: Normal- Essential care for every newborn (ECEN) #2	2	Lab
68	Postnatal Postnatal Holistic Assessment of Woman's general health. Three P's framework – Physical Assessment	2	Lecture, Discussion Group Work
69	Postnatal Holistic Assessment of Woman's general health. Three P's framework - Psychological (Emotional) assessment	2	Lecture, Discussion Group Work
70	Postnatal Holistic Assessment of Woman's general health. Three P's framework - Personal (Social/Culture/Economic/Religious)	2	Lecture, Discussion Group Work
71	Lab 17: Practice Postnatal Assessment of Woman using 3 P's Framework OSCA topic : Normal- PNC assessment #2	2	Lab
72	Lab 18: Practice Postnatal Assessment of Woman using 3 P's Framework – students given scenerios they practice and will present to class	2	Lab
73	Lab19: Practice Postnatal assessment of woman students present the role play	2	Lab
74	Normal process of involution following delivery	2	Lecture, Discussion Group Work
75	Normal Lochia loss post delivery	2	Lecture, Discussion Group Work
76	Revision of Learning	4	Group Work

77	Assessment of newborn at birth -Apgar assessment -Attachment and Bonding	2	Lecture, Discussion
78	Newborn Assessment postnatal Full Postnatal assessment of the baby at beginning level	2	Lecture, Discussion Group Work
79	Newborn Assessment postnatal Newborn Normal variations in newborn (e.g. caput, moulding, mongolian spots)	2	Lecture, Discussion Group Work
80	Newborn Assessment postnatal Physiological Jaundice Physiological Jaundice Assessment and Management of Physiological Jaundice	4	Lecture, Discussion Group Work
81	Revision of Learning	4	Group work
82	Lab 20:Practice Skill: Assessment of newborn postnatally (daily check rather than detailed newborn assessment) OSCA topic : Normal- Newborn assessment #1	2	Lab
83	Newborn Thermoregulation protection/regulation/skin to skin	2	Lecture, Discussion Group Work
84	Newborn Thermoregulation -Cold stress cycle/ hypothermia, hypoglycemia/hypoxia part 1	2	Lecture, Discussion Group Work
85	Newborn Thermoregulation -Cold stress cycle/ hypothermia, hypoglycaemia/hypoxia part II	4	Lecture, Discussion Group Work
86	Revision of Learning	4	Group work
87	Initial newborn exam (full physical assessment) Part 1 overall full physical examination	2	Lecture, Discussion Group Work
88	Initial newborn exam (full physical assessment) Part 1 focus on heart and lungs	2	Lecture, Discussion Group Work

89	Initial newborn exam (full physical assessment) Part 1 focus on hip check and other detailed checks	2	Lecture, Discussion Group Work
90	Lab 21: Practice skill Initial newborn exam (full physical assessment) OSCA: Normal- Newborn assessment #2	2	Lab
91	Lab 22: Practice skill Initial newborn exam detailed examination heart lungs, hips etc.. OSCA topic : Complications- NB Assessment-#1	2	Lab
92	Revision of Learning	4	Group work
93	Normal Newborn Assessment Growth and Development, Weight Gain and being -On-going assessment of the new born baby, vital signs, input/output weight gain recognising when things are not normal	2	Lecture, Discussion Group Work
94	Normal Newborn Assessment Growth and Development, Weight Gain and being -behaviour patterns, growth and development	2	Lecture, Discussion Group Work
95	Normal Newborn Growth and Development and Weight Gain -Scenerio based class where students get to apply knowledge about normal newborn assessment	2	Group work
96	Administration of Oral Medication -- Rights for administering medication -Process and safety for checking and giving medicines -Midwives role and responsibility	2	Lecture, Discussion
97	Administration of IM medication -Midwives role and responsibility-Technique for how to give an injection	2	Lecture, Discussion
98	Administration of IM medication -Midwives role and responsibility -Technique for how to give an injection	2	Lecture, Discussion
99.	Review of learning	2	Lecture, Discussion Group work

100	Lab 23: Practice skills -Administration of Medication oral	2	Lab
101	Lab 24: Practice skills – time for students to further practice given oral and IM medication	2	Lab
102	Revision of Learning OSCA topic : Complications- NB Assessment-#2	4	Group work
103	Nutrition Introduction to nutrition -Significance-Roles of nutrition on health -Prevalence of nutritional deficits and nutrition related health problems in Bangladesh -Bangladesh health care policy regarding nutrition	2	Lecture, Discussion Group Work
104	Nutrition and nutrients -Definitions -Essential nutrients: -Carbohydrates, fats, and proteins -Vitamins, minerals, and water	2	Lecture, Discussion Group Work
105	Nutrition and nutrients -Energy nutrients in food -Energy storage in the body -Nutrition standards-Recommended Dietary Allowance (RDA) -Calculating food requirements	2	Lecture, Discussion Group Work
106	Revision of Learning	4	Lecture, Discussion Group Work
107	Nutritional assessment Health history -Health problems and treatments -Personal factors (age, gender, education, religion, etc.) -Activity of daily living Food intake	2	Lecture, Discussion Group Work
108	Nutritional assessment Physical examinations	2	Lecture, Discussion Group Work

	<ul style="list-style-type: none"> -Weight for height -Body Mass Index (BMI) -Fatfold measures -Waist circumference -Signs of nutrient deficiency 		
109	Nutritional requirements of the pregnant woman and fetus.	2	Lecture, Discussion
110	Revision of Learning	4	Group work
111	<p>Nutritional related-health nutrient deficiency problems: Signs and symptoms, causes, and management of:</p> <ul style="list-style-type: none"> -Malnutrition -Kwarshiorkor -Marasmus -Xerophthalmia (blindness caused by Vitamin A deficiency) 	2	Lecture, Discussion
112	<p>Nutritional related-health nutrient deficiency problems: Signs and symptoms, causes, and management of:</p> <ul style="list-style-type: none"> -Goitre -Indigestion, reflux esophagitis -Gastritis -Diarrhoea and Dehydration 	2	Lecture, Discussion
113	<p>Nutritional related-health nutrient deficiency problems relating to pregnancy</p> <ul style="list-style-type: none"> -Iron deficiency Anaemia 	2	Lecture, Discussion
114	Revision of Learning	4	Group work
115	<p>WHO Code Breastfeeding</p> <ul style="list-style-type: none"> -Bangladesh and Breastfeeding 	2	Lecture, Discussion
116	<p>Breastfeeding</p> <ul style="list-style-type: none"> -Anatomy and Physiology of Lactation and breastfeeding I 	2	Lecture, Discussion
117	<p>Breastfeeding</p> <ul style="list-style-type: none"> -Anatomy and Physiology of Lactation and breastfeeding II 	2	Lecture, Discussion
118	Breastfeeding	2	Lecture, Discussion

	-Breastfeeding in the first week colostrum and what does the baby require		
119	Breastfeeding -Benefits of Breastfeeding	2	Lecture, Discussion
120	Establishing breastfeeding -How to support a mother to establish breastfeeding	2	Lecture, Discussion
121	Establishing breastfeeding -Attachment -Latching -Milk supply	2	Lecture, Discussion
122	Revision of Learning	4	Group work
123	Lab 25: Practice Helping a mother to breastfeed demonstrating attachment and latching	2	Lab
124	Helping Babies Breathe Theory I	2	Lecture, Discussion Group Work
125	Helping Babies Breath Theory II	2	Lecture, Discussion Group Work
126	Helping Babies Breath Theory III	2	Lecture, Discussion Group Work
127	Revision of Learning	4	Group work
128	Lab 26: Practice skill Helping babies Breathe 1	2	Lab
129	Lab 27: Practice skill Helping babies Breathe II	2	Lab
130	Revision of learning Helping babies breath	4	Group Work
131	Revision of Learning for Fundamentals	4	Group Work

Course Title: DM 126 Midwifery Pharmacology

Classroom Study Hours: 50

Laboratory Practice Hours: 36

Practice Hours: 0

Course Description

This course provides a sound base in pharmacology for the midwifery students which they can apply to midwifery practice. Students will learn the principles of pharmacodynamics and pharmacokinetics, essential medications, forms of drugs and preparation, safe drug administration, drug actions, drug interactions, side effects and contraindications. Management of major drug classes including antibiotics and antiparasitics, anti-inflammatory drugs, antipyretics, analgesics, and drugs affecting body systems, i.e., gastro-biliary, urinary, cardiovascular, endocrine, nervous system, anti-psychotic, anti-neoplastics and immunosuppressive agents will be reviewed, with a focus on the midwifery pharmacopeia and the principles of prescribing and medications common to pregnancy, birth and midwifery practice.

Course Objectives:

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

1. Explain general principles of drug actions and interactions
2. Demonstrate knowledge of the principles of drug administration
3. Demonstrate basic knowledge of pharmacology and drug action in the human body.
4. Demonstrate knowledge of drugs used in pregnancy and women's health care, especially the medications listed in the midwifery SOP.
5. Understand the Bangladesh essential drugs list and their preparation
6. Explain the classification, actions, adverse effects, and management of major drug classes including antimicrobials and antiparasitics, anti-inflammatory drugs, antipyretics and analgesics, drugs affecting body systems, i.e., gastro-biliary, urinary, cardiovascular,

endocrine, and nervous system, anti-psychotic, anti-neoplastics and immunosuppressive agents.

7. Analyse given case scenarios regarding common drug uses, its action, adverse effects, and management.

Course Requirements:

1. Attend classroom study 80%;
2. Participate actively in group working on a written assignment and presentation

Teaching-learning Activities:

1. Lecture and discussion
2. Group assignment (group discussion and presentation):
 - a. Divide students into small groups
 - b. Each group studies the selected drug group (Topic 4-16) as specified in the course outline
 - c. Present the work as scheduled in the course outline and
 - d. Submit a written paper (group work) on the day of presentation
3. Self-study

Course Assessment:

Students will be evaluated after completion of the course using the following strategies:

Mid term, final & others = 100%

1. Quiz*
2. Midterm examination
3. Final examination
4. A written paper (group assignment)

*A quiz will be conducted at the end of any classes (approximately 5 quizzes) without informing students in advance. Therefore, students must prepare themselves and get ready for the quiz.

Study Materials:

Clayton, B. D., & Stock, Y. N. (2001). Basic pharmacology for nurses (12th ed.). St. Louis, MO: Mosby.

Hodgson, B. B., & Kizior, R. J. (2004). Nursing drug handbook. St. Louis, MO: Saunders.

Karch, A. M. (2003). Focus on nursing pharmacology (2nd ed.). Philadelphia, PA: Lippincott Williams & Wilkins.

Kee, J. L., & Hayes, E. R. (2003). Pharmacology: A nursing process approach (4th ed.). Philadelphia, PA: Saunders.

karch A.M.(2018) The 2018 Lippincott Pocket Drug Guide for Nurses, (6th edition) , Lippincott Williams and Wilkins, Philadelphia, United States

Barber P, and Robertson D,(2012), Essentials of Pharmacology for Nurses (2nd edition) ,Open University Press, Milton Keynes, United Kingdom

Course Content: DM 126 Midwifery Pharmacology (50/36/0)

	Topic	Hours	Learning and Teaching Activities
1.	Course orientation Introduction to pharmacology and basic principle of drug action: Pharmacology terminology -Drug actions: ** Drugs excretion through breast milk -Pharmacotherapeutics -Pharmacokinetics -Pharmacodynamics	2	Lecture Discussion
2.	Classification and forms of drugs and preparation -Different formulation of drugs -Route of drugs administration -Adverse drug reaction -Teratogenic reaction	2	Lecture Discussion
3.	Principles of safe Drug administration -Medicine, Dosage calculation and administration Side effects and adverse drug reactions	2	Lecture Discussion
4.	Principles of safe Drug administration -Medicine, Dosage calculation and administration	2	Lecture and Discussion
5.	Antimicrobials -Classification -Action -Adverse effect and management <ul style="list-style-type: none"> ○ Penicillin ○ Cephalosporin ○ Anti TB drugs ○ Anti- malarial drugs ○ Anti- fungal drugs 	2	Lecture Discussion

6.	Antimicrobials (continued) -Classification -Action -Adverse effect and management <ul style="list-style-type: none"> ○ Macrolide ○ Tetracycline ○ Aminoglycoside ○ Sulphonamide 	2	Lecture Discussion
7.	Lab 1: Antimicrobials- part 1 <ul style="list-style-type: none"> ● Case study- malaria in pregnancy 	4	Lab
8.	Antimicrobials (continued) -Antivirals <ul style="list-style-type: none"> ○ Treating: HIV, Hepatitis B and Hepatitis C -Using antimicrobials in midwifery <ul style="list-style-type: none"> ○ Post abortive care (PAC) ○ Sepsis ○ STIs 	2	Lecture Discussion
9.	Antimicrobials (continued) <ul style="list-style-type: none"> ○ HIV drugs and use in pregnancy ○ Antibiotic overuse and antibiotic resistant microbes ○ Antibiotics for STIs (Chlamydia, Gonorrhea, Trichomonas, Syphilis) 	2	Lecture Discussion
10.	Lab 2: Antimicrobials part 2 <ul style="list-style-type: none"> ● Case study- STI management 	2	Lab
11.	Lab 3: Antimicrobials part 3 <ul style="list-style-type: none"> ● Case study- septic post abortion management 	2	Lab
12.	Anti-parasitic drugs Actions Adverse effects and management	2	Lecture Discussion
13.	Lab 4: Case study <ul style="list-style-type: none"> ● Medications for Kala-azar 	2	Lab
14.	Antipyretics, analgesics and anti inflammatory drugs -Non-opioids -Opioids -Epidurals and impact on labour -Actions -Adverse effects and management	2	Lecture Discussion

15.	<p>Lab 5: Analgesics and anti-inflammatory drugs</p> <ul style="list-style-type: none"> ● Case study of use in pregnancy ○ Medication for pain in pregnancy and birth and appropriate management ○ Anti-inflammatory drugs in pregnancy 	2	Lab
16.	<p>Drug affecting body system: Gastro-intestinal system</p> <ul style="list-style-type: none"> -Drugs for peptic ulcer disease -Drugs for Diarrhoea -Anti- emetic drugs -Laxative -Anti- helminthic drugs -Drugs for Kala-azar -Actions -Adverse effects and management 	2	Lecture Discussion
17.	<p>Lab 6: Gastro-intestinal system</p> <ul style="list-style-type: none"> ● Case study of use in pregnancy: Medication for UTI and Pyelonephritis in pregnancy 	2	Lab
18.	<p>Drug affecting body system: Cardio-vascular system</p> <ul style="list-style-type: none"> -Anti hypertensive drugs -Anti-coagulant -Drugs for Ischemic Heart Disease (ISD) -Anti-Fibrinolytic drugs -Actions -Adverse effects and management 	2	Lecture Discussion
19.	<p>Lab 7: Cardio-vascular system</p> <ul style="list-style-type: none"> ● Case study: Medication for pregnancy with chronic hypertension 	2	Lab
20.	<p>Drug affecting body system: Respiratory system</p> <ul style="list-style-type: none"> -Drugs for bronchial asthma -Antihistamine -Actions -Adverse effects and management 	2	Lecture Discussion

21.	Lab 8: Respiratory system <ul style="list-style-type: none"> ● Case study: Medication and pregnancy with asthma 	4	Lab
22.	Drug affecting body system Endocrine system <ul style="list-style-type: none"> -Anti diabetic drugs <ul style="list-style-type: none"> ○ Insulin -Drugs for thyroid disorder <p>Actions Adverse effects and management</p>	2	Lecture Discussion
23.	Drug affecting body system Endocrine system <ul style="list-style-type: none"> -Other endocrine medication <ul style="list-style-type: none"> ○ Adrenal hormone ○ Prednisolone, ○ Dexamethasone, betamethasone -Actions -Adverse effects and management 	2	Lecture Discussion
24.	Lab 9: Endocrine system <ul style="list-style-type: none"> ● Case study: Medication and pregnancy with gestational diabetes requiring insulin 	2	Lab
25.	Lab 10: Drug affecting body system Endocrine system <ul style="list-style-type: none"> -Other endocrine medication <ul style="list-style-type: none"> ○ Adrenal hormone ○ Prednisolone, ○ Dexamethasone, Betamethasone -Actions -Adverse effects and management 	2	Lab
26.	Drug affecting body system: Nervous system <ul style="list-style-type: none"> ○ Antipsychotic drugs ○ Epileptic Drugs ○ Antidepressants <p>-Actions -Adverse effects and management</p>	2	Lecture Discussion

27.	Lab 11: Nervous system <ul style="list-style-type: none"> ● Case study: <ul style="list-style-type: none"> ○ Medication management of epilepsy in pregnancy (need for folic acid) ○ Medication for postpartum depression when breastfeeding 	2	Lab
28.	Anti-neoplastic drugs <ul style="list-style-type: none"> -Actions -Adverse effects and management 	2	Lecture Discussion
29.	Lab 12: Immunosuppressive agents <ul style="list-style-type: none"> ● Case study <ul style="list-style-type: none"> ○ Medication management of hydatidiform mole pregnancy 	2	Lab
30.	Drugs in Labour and Childbirth <ul style="list-style-type: none"> - Oxytocic -Tocolytic drugs -Actions -Adverse effects and management 	2	Lecture Discussion
31.	Lab 13: Drugs in Labour and Childbirth <ul style="list-style-type: none"> ● Case study: Evidence based use of oxytocin in labor 	2	Lab
32.	Drugs in Labour and Childbirth <ul style="list-style-type: none"> -Magnesium Sulphate -Betamethasone (steroids) Actions Adverse effects and management 	2	Lecture Discussion
33.	Drugs in Labour and Childbirth <ul style="list-style-type: none"> - Prostaglandins (PGE1, PGE2, Misoprostol) -Labour Induction Actions Adverse effects and management 	2	Lecture Discussion

34.	Lab 14: Drugs in Labour and Childbirth <ul style="list-style-type: none"> ● Case study: Medications for management of severe preeclampsia 	2	Lab
35.	Medication effect on pregnancy and breastfeeding Teratogenic effects -including smoking, alcohol and illicit Drugs on pregnancy and fetus	2	Lecture Discussion
36.	Vitamins, minerals and vaccines Actions Adverse effects and management	2	Lecture Discussion
37.	Lab 15: Vaccines and supplements <ul style="list-style-type: none"> ● Case study <ul style="list-style-type: none"> ○ Vaccines in pregnancy ○ Pregnancy and severe anaemia 	2	Lab
38.	Drugs specifically for Family Planning -hormonal <ul style="list-style-type: none"> ○ Combination hormonal (pills) ○ Oestrogens and contraindications ○ Progesterone only (pill, implant, injectables, IUD) Actions Adverse effect, contraindications and management	2	Lecture Discussion
39.	Drugs specifically for Family Planning -barrier and and others (continued) <ul style="list-style-type: none"> ○ Barriers ○ IUD (non hormonal) Actions Adverse effect, contraindications and management	2	Lecture Discussion
40.	Lab 16: Case study <ul style="list-style-type: none"> ● Case study: Family planning specifically for post partum 	2	Lab
41.	Essential medicine list of Bangladesh and medication in Midwifery SOP Principles of safe Drug administration Medicine, Dosage calculation and administration, Drugs used in pregnancy in Bangladesh context Legal aspects of drug administration and Prescribing Drugs	2	Lecture Discussion

Course Title: DM 137 Midwifery Practice I**Classroom Study Hours: 0****Laboratory Practice Hours: 42****Practice Hours: 192****Course Description**

This course focuses on students developing safe, competent, woman centred midwifery care within the scope of the normal maternity experience.

Course Objectives:**Upon completion of the course the students will be able to:**

1. Apply the principles of professionalism and leadership, demonstrating accountability, good communication skills (oral and written) in relation to woman and newborn.
2. Apply the principles of partnership when working with a woman, newborn and their family
3. Applies knowledge of the physiology of normal antenatal, intrapartum, postpartum maternal and newborn care to practice.
4. Demonstrates assessment and critical thinking skills related to antenatal, intrapartum, postpartum maternal and newborn care.
5. Demonstrate an ability to make decisions in relation to midwifery care when caring for a woman and baby.
6. Demonstrate a safe and competent midwifery care developing beginning skills in emergency situations

Pillars (Standards) of Practice**Professionalism and Leadership**

Application of midwifery frameworks to practice
 Demonstrates accountability in own practice.
 Effective communication with clients.
 Developing own leadership style

Partnership

Forms a professional relationship with a woman and her family showing that she can work in partnership giving appropriate information and education.

Knowledge

Application of midwifery knowledge of antenatal, intrapartum and postpartum periods and midwifery practice skills (named)

Develops ability to assist as directed with Emergency situations (PPH, resuscitation of newborn)

Critical Thinking

Developing ability to analyse information using criteria and frameworks

Developing effective problem solving methods

Developing ability to apply research to practice.

Competence

Competence and developing confidence in caring for women and their families in normal pregnancy, labour and birth and the puerperium.

Developing skill of prioritising midwifery care safely and effectively.

Technical and practice competence in named skills including breastfeeding.

Effective time management.

Decision Making

Developing own decision making skills.

Developing an understanding of the ethical, cultural, social and political influences on the decision making process.

Practice Skills

Vital signs (BP, pulse, temperature and respirations), charting results

Documentation (professional, accurate, correct terminology)

Calculation of EDD

Laboratory tests taken during pregnancy (booking and routine antenatal blood tests)

Medical and Surgical Asepsis in practice (hand washing and universal precautions)

Use of Partograph

Beginning understanding of antenatal care

Abdominal Palpation

History taking

Education of woman about MSU/ Urinalysis

Beginning understanding of labour and birth and can be present in an appropriate manner during the labour and birth.

Vaginal examination

assessment of pregnant women in normal pregnancy and labour

Postnatal care; competently assesses mother and baby at a beginning level

Beginning understanding of breastfeeding can advise women on basic positioning

Preparing environment for birth

Preparing equipment for birth

Assessment of newborn at birth

Apgar assessment

Clinical assessment and management of physiological jaundice

Neonatal resuscitation

Initial newborn exam (full physical assessment)

Breastfeeding attachment and positioning

assessment of pregnant women in normal pregnancy and labour

Administration of medications oral and injections

Course Requirements

- Attend classroom study 80%

- Participate in learning activities
- Demonstrate competence in named practice skills

Assessments

Portfolio

- Case study
- Log book
- Practice Reflections
- Feedback from women and midwives
- Clinical skills checklist
- Progress logs
- OSCA (Every Newborn, Full Newborn Assessment, Newborn with complications, Emergency Helping Babies Breath, Postnatal assessment and PPH).

Course outline: DM 137 Midwifery Practice I (0/42/192)

Lesson	Topic	Hours	Learning and Teaching Activities
1.	Introduce Paper and logbook and Portfolio Revisit Practice skills in lab <ul style="list-style-type: none"> ● Vital sign B.P, Pulse, respiration, temperature ● Calculation of EDD ● Laboratory test taken during pregnancy (booking and routine antenatal blood test, Urine for sugar and albumin) 	2	Lab
2.	Revisit Practice skills in lab <ul style="list-style-type: none"> ● Preparing equipment and environment for birth ● Different stages of labour and midwifery care of women in different stages ● Different Delivery positions ● Use of Partograph 	4	Lab
3.	Revisit Practice skills in lab <ul style="list-style-type: none"> ● Postnatal Assessment of mother ● Postnatal assessment of baby ● Full neonatal examination ● Breastfeeding attachment, latching and position 	4	Lab

4.	Lab: Practice simulation OSCA Normal Labour Assessment	4	Lab
5.	Lab: Practice simulation Care of Women in labour and birth	4	Lab
6.	Lab: Practice simulation Care for New Born	4	Lab
7.	Lab: Practice simulation Newborn Assessment	4	Lab
8.	Lab: Practice simulation Newborn Assessment with Newborn with complications	4	Lab
9.	Lab: Practice simulation Helping babies' breath (HBB)	4	Lab
10.	Lab: Practice simulation Postnatal Assessment including PPH	4	Lab
11.	Review of Learning	4	Lab

Course Title: DM118 Communicative English and Information & Communication Technology

Classroom Study Hours: 144

Laboratory Practice Hours: 42

Practice Hours: 0

Course Description

For English, this course will review basic grammatical structures of English and basic semantics, how small changes in structure can affect the meaning of sentences, basic reading and listening techniques for constructing informal written essays and spoken English in daily life.

The course will then progress to grammatical structures of English, reading selected English literature and documents for evidence based care, and listening to English media. Assessment of English portion of course will involve giving English oral presentation, writing formal letters and essays.

For information technology this course will briefly review the history of computing and internet, roles of computers in our society, computer terminology, computer hardware and devices, operating systems, and application programs. The main focus will be on using the computer professionally with MS office

suite (Word, PowerPoint, Excel), and internet browsing and searches to develop online resources (such as the Safe Delivery App, and other online resources for midwifery) and the development of English skills and support professional development of the midwife.

Course Goal

Students will build from basic skills in reading, listening, writing, and speaking of English language in daily life to intermediate skills in reading English literature, listening to more advanced English media, writing formal letter, and presenting in English language

Students will gain basic knowledge of computer and internet and how to use it professionally.

Course Objectives

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

1. Apply basic grammatical structure and basic semantics in daily communication
2. Read and comprehend health related abstracts or short essays
3. Read and comprehend simple health related articles
4. Listen and comprehend short dialogues
5. Write a short essay or paragraph of no more than 100 words
6. Speak and communicate in English in daily life
7. Demonstrate an understanding of history and roles of computing, computers, and internet in today's world
8. Demonstrate a knowledge of terminology/vocabulary specific to computer use
9. Identify key components of computer systems, hardware, and devices and a knowledge of their use
10. Access internet to retrieve information and make use of Website.
11. Use common application programs (MS Word, PPT, Excel)

Course Requirements

1. Attend classroom study 80%
2. Attend laboratory session and/or self-study using other resources
3. Submit 3 written assignments (1. summary of reading assignment, 2. summary of listening assignment, 3. written short essay of no more than 100 words on a self-selected topic) (individual work)
4. Present a short English conversation on a group-selected topic (group work)
5. Self-study to gain experience in using computers and internet
6. Present 1 ppt presentation on a self-selected topic (individual work)

Teaching-learning Activities

1. Lecture and discussion
2. Self-study
3. Group work
4. Language laboratory (where possible)

Course Assessments

Students will be evaluated after completion of the course using the following strategies:

Mid term, final & others = 100%

1. Mid-term examination
2. Final examination
3. Written assignments
4. Short English conversation

Course outline: DM118 Communicative English and Information & Communication Technology

Lesson	Topic	Hours	Learning and Teaching Activities
1	Parts of speech Use of verb to BE	2	Lecture and Discussion
2	Use of prepositions	2	Lecture and Discussion
3	Tenses and how to use them in spoken language	2	Lecture and Discussion
4	A student's blog -Self Introduction	2	Lecture and Discussion
5	Lab 1:Speaking skill: -Conversation	4	Lab Demonstration

	Learning skills for learning to speak with a woman as a midwife – practice meeting woman for the first time		
6	Review of Learning	2	Group work
7	Present simple, Question & negative.	2	Lecture and Discussion
8	Verbs, - describing jobs, form filling etc.	2	Lecture and Discussion
9	Present simple, Adverb of frequency,	2	Lecture and Discussion
10	Verbs, Discussing town & country etc.	2	Lecture and Discussion
11	Past simple, Expressing time, Regular verbs, Irregular verbs, Describing feelings, Describing things etc. Telling a story, Count & noncount nouns, Verbs.	2	Lecture and Discussion
12	Telling a Story practice telling this skill in English one student is the midwife and another the woman telling the story of what has happened to her using all skills of English	2	Group work
13	Comparative adjectives, Use of have got, Superlative adjectives, Asking for direction, Comparing things, Describing a place, Prepositions, Present continuous, Something/Nothing, Language of social occasions etc.	2	Lecture and Discussion

14	Present perfect, ever & never, Yet & just, Tense revision, Going to for the future, Infinitive of purpose,	2	Lecture and Discussion
15	Review of Learning	2	Group work
16	How to make suggestions, Past participle etc.	2	Lecture and Discussion
17	Basic concepts and terminology used for describing speaking skills,	2	Lecture and Discussion
18	Features of spoken English, Phonemic systems, Paralinguistic features	2	Lecture and Discussion
19	Basic concepts and terminology used for describing writing skills, Stages of teaching writing, Beginner literacy, English spelling and punctuation.	2	Lecture and Discussion
20	Paragraph writing -How to write a paragraph	2	Lecture and Discussion
21	Application writing: -How to write application	2	Lecture and Discussion
22	Report writing: -How to write report	2	Lecture and Discussion
23	How to write references	2	Lecture and Discussion
24	Review of Learning	2	Group work
25	Writing Skill -Paragraph -Report -application	4	Lab

	-reference		
26	Writing a women's experience of her labour and birth.	2	Group work
27	Group work on specific tasks (reading newspaper articles)	2	Lecture and Discussion
28	Group work on specific tasks (reading newspaper articles) Continued...	2	Lecture and Discussion
29	Writing reflection -How to write reflection	2	Lecture and Discussion
30	Writing Skill: -Writing a reflection	2	Lab
31	Role play and debate based on scenarios	2	Lab
32	Tenses, Making questions, Right & wrong words, Language of social expression, Describing friends etc.	2	Lecture and Discussion
33	Present tenses, Have/Have got, Making conversation, Exchanging information etc.	2	Lecture and Discussion
34	Past tenses, Regular & irregular verbs, Adverbs, Narrating stories, Making projects, Narrative writing, Much/Many/Some, Making requests, Exchanging information.	2	Lecture and Discussion
35	Future tenses, use of simple future, going to future, use of Should be ,Would be etc.	2	Lecture and Discussion
36	Verb patterns, Future forms, Phrasal verbs, Expressing doubt & certainty, Discussion	2	Lecture and Discussion

37	Review of Learning	2	Group Work
38	Comparative & Superlative adjectives, Synonyms, Antonyms, Making projects, etc.	2	Lecture and Discussion
39	Present perfect, Word ending, Word stress, Agreeing, Discussion, Have to/Should/Must, At the doctor's, Exchanging information, letter writing etc.	2	Lecture and Discussion
40	Past perfect, Narrative tenses, Expressing feelings, Exclamation with so & such	2	Lecture and Discussion
41	Writing about a book or film Passives, Words that go together, Languages on the phone, The internet, Discussion etc.	2	Lecture and Discussion
42	Present perfect continuous, Tense review.	2	Lecture and Discussion
43	Language of birth/marriage/death, Preposition, saying thank you and goodbye, giving good news & bad news, exchanging information	2	Lecture and Discussion
44	Review of Learning	2	Group Work
45	Listening skills: Listening practice from Headway	2	Lab Demonstration
46	Interactive word learning games.	2	Lab Demonstration
47	Role play based on scenarios.	2	Lab Demonstration
48	Watching educational movies with specific assignments.	2	Lecture and Discussion
49	Review of Learning	4	Group Work

50	Group work on specific tasks (reading newspaper articles)	2	Lecture and Discussion
51	Health and Midwifery related articles or journals as availability.	2	Lecture and Discussion
52	Review of Learning	4	Group work

53	Computer terminology and the importance of computers in the Midwifery profession.	2	Lecture and discussion Group work
54	Computer hardware and devices	2	Lecture and discussion Group work
55	Computer hardware and devices	4	Lab Demonstration
56	Operating systems and application programs	2	Lecture and discussion Group work
57	Operating systems and application programs cont...	2	Lecture and discussion Group work
58	Review of learning	2	Lecture, discussion, Group work
59	Windows operation for maintaining the Computer	2	Lecture and discussion Group work
60	Windows operation for maintaining the Computer	2	Lecture and discussion Group work
61	Using Application Programs for MS word processing	2	Lecture and discussion Group work
62	Using Application Programs for MS word processing cont...	2	Lecture and discussion Group work

63	Review of learning	2	Lecture, discussion, Group work
64	Using Application Programs for spreadsheets- Excel	2	Lecture, discussion Group work
65	Using Application Programs for spreadsheets	2	Lecture, discussion Group work
66	Review of learning	2	Lecture, discussion, Group work
67	Programs for spreadsheets- excel	2	Lab practice and presentation
68	Using Application Programs for slide preparation and presentations- ppt	2	Lecture, discussion Group work
69	Using Application Programs for slide preparation and presentations cont...	2	Lecture, discussion Group work
70	Using Application Programs for slide preparation and presentations cont...	2	Lecture, discussion Group work
71	Review of learning	2	Lab
72	Review of learning	2	Lab
73	Programs for slide presentations- ppt	2	Lab
74	Networking, communication and research through the internet and World Wide Web applications.	2	Lecture, discussion, Group work
75	Networking, communication and research through internet and World Wide Web applications. cont...	2	Lecture, discussion, Group work

76	Networking, communication and research through internet and World Wide Web applications. cont...	2	Lecture, discussion, Group work
77	Networking, communication and research through the internet and World Wide Web applications.cont...	2	Lecture, discussion, Group work
78	Review of learning	2	Lecture, discussion, Group work
79	Review of learning	2	Group work
80	Email and web browsing	2	Lab
81	Using Email and Web searching by search engine	2	Lab
82	e-learning	2	Lecture, discussion Group work
83	e-learning practice	4	Lab
84	Review of learning	2	Lecture, discussion, Group work
85	Review of learning	2	Group work
86	Programs for Microsoft Excel, Word and ppt in office	2	Lab
87	Review class	2	Lab

Year Two

मुद्रण पूर्ववर्ती कपि

Course Title: DM221 Research and Evidence Based Midwifery**Classroom Study Hours: 108****Laboratory Practice Hours: 0****Practice Hours: 64****Course Description**

Examines research and evidence that informs midwifery practice including an introduction to statistics and epidemiology

Course Objectives**Upon completion of the course the student will be able to:**

1. Demonstrate understanding of what evidence is and the different levels of evidence
2. Describe basic concepts related to research including statistics and epidemiology
3. Demonstrate understanding of the research process
4. Describe the difference between qualitative and quantitative research
5. Demonstrate understanding of what makes good research
6. Describe research that underpins midwifery practice and the investigation of diseases and disease prevention
7. Demonstrate ability to access research

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

1. Apply principles of professionalism and demonstrate leadership in practice working in partnership, being accountable and communicating effectively.
2. Apply knowledge and make safe decisions in practice
3. Demonstrate clinical skills of safe, competent midwifery practice within the normal childbirth experience.
4. Demonstrate ability to think critically in practice by readily applying knowledge and research to practice.

Pillars (Standards) of Practice**Professionalism**

Applies principles of partnership, throughout the uncomplicated maternity experience

Effective and professional communication skills (written and oral)

Partnership

Plans and provides midwifery care in partnership with women recognising the complexities of partnership throughout the maternity experience.

Knowledge

Integrates knowledge and skills of normal antenatal, intrapartum and postpartum periods into own midwifery practice.

Integrates different ways of knowing into own practice and readily articulate evidence and research that informs practice

Critical Thinking.

Applies current research to practice and learns to articulate and document rationale for decisions made in practice.

Competence

Competently and confidently cares for women and baby in normal pregnancy, labour and birth and the puerperium.

Decision Making

Integration of midwifery Decision-making skills into own practice

Recognises ethical, cultural and social influences on the decision making process.

Practice Skills

- Can provide sound evidence and research based rationale for clinical decisions in practice

Course Requirements

1. Attend classroom study 80%
2. Actively participate in group assignment and presentation
3. Attend clinical Placements

Teaching -Learning Activities

1. Lecture
2. Discussion
3. Group work and presentation
4. Self-study

Educational methods include 64 hours of clinical practice where the student will be encouraged to explore the evidence that is informing practice. The student will be in a clinical placement and he midwifery lecturer when she meets with the student will focus the learning on the evidence for practice and the research that is informing the students practice.

Course Assessments

- Written
- Oral
- Practical
- Formative

Course Assessment Clinical Placement

- Group Assignment – students will reflect on a practice and will then present cases/examples of the evidence and research that informs practice in their practice setting.

Lesson	Topic	Hours	Learning and Teaching activities
1.	Introduction to course and assessments	2	Lecture and Discussion
2.	Introduction to research <ul style="list-style-type: none"> ● Definition of research ● Types of research ● Purpose of research 	2	Lecture and Discussion
3.	Research Terminology	2	Lecture and Discussion
4.	Difference between primary from secondary research. Difference between quantitative and qualitative Research	2	Lecture and Discussion
5.	Variables <ul style="list-style-type: none"> ● Definition ● Types Operational definition of Variables		Lecture and Discussion Group Work
6.	Review of Learning	2	Group work
7.	Research process/steps	2	Lecture and Discussion
8.	Formulation of Research problems Objective of study	2	Lecture and Discussion Group Work
9.	Hypothesis <ul style="list-style-type: none"> ● Definition ● Types Formulation of hypothesis	2	Lecture and Discussion
10.	Concept of conceptual framework and theoretical frame work	2	Lecture and Discussion
11.	literature Review <ul style="list-style-type: none"> ● Definition ● Objectives Sources/ Types of literature	2	Lecture and Discussion
12.	Review of learning	2	Group Work Discussion
13.	Evidence <ul style="list-style-type: none"> ● What is evidence ● Different types of evidence (anecdotal, experimental research) ● Levels of evidence 	2	Lecture and Discussion

14.	Evidence <ul style="list-style-type: none"> ● Evidence based practice ● History of evidence based practice ● Why is Evidence based practice important 	2	Lecture and Discussion
15.	Evidence Application of evidence to midwifery practice	2	Lecture and Discussion
16.	Evidence Exploring Quantitative Research <ul style="list-style-type: none"> ● What is quantitative research evidence ● Examples of evidence from Quantitative research 	2	Lecture and Discussion
17.	Evidence Exploring Qualitative Research <ul style="list-style-type: none"> ● What is qualitative research evidence ● Examples of evidence from Qualitative research 	2	Lecture and Discussion
18.	Evidence <ul style="list-style-type: none"> ● Search engines ● Accessing research – how do you find midwifery research 	2	Lecture, Group work Discussion
19.	Review of learning	2	Group work
20.	Research Methodology <ul style="list-style-type: none"> ● Study design ● Place of study ● Study Population 	2	Lecture and Discussion
21.	Research Methodology <ul style="list-style-type: none"> ● Sample ● Sample unit ● Sampling Technique- types, Sample size estimation 	2	Lecture and Discussion
22.	Ethical consideration	2	Lecture and Discussion
23.	Data collection <ul style="list-style-type: none"> ● Definition ● Methods of data collection ● Tools of data collection 	2	Lecture discussion

24.	Data collection Technique	2	Lecture and Discussion
25.	● Review of learning	2	Group work
26.	Introduction to epidemiology ● Definition ● Principles of epidemiology ● Importance of epidemiology Occurrence and distribution of diseases	2	Lecture and Discussion
27.	Introduction to epidemiology ● Indicators of community health ● Surveillance ● Common terms in epidemiology	2	Lecture and Discussion
28.	Introduction to epidemiology ● Epidemic investigation ● Important of epidemiology in Midwifery	2	Lecture and Discussion
29.	● Review of learning	2	Group work
30.	Epidemiology and Midwifery ● Why is epidemiology important in midwifery? ● What diseases are studied? that are relevant to mothers and babies How has epidemiology improved the health and wellbeing of mothers and babies	2	Lecture and Discussion
31.	Epidemiology and Midwifery ● Control of communicable disease ●	2	Lecture and Discussion
32.	Epidemiology and Midwifery ● Control of non-communicable disease ●	2	Lecture and Discussion
33.	Review of learning	2	Group work
34.	Introduction to statistics ● Definition ● Types ● Common term used in statistics	2	Lecture, Group work, Discussion
35.	Introduction to statistics ● How statistics are used in midwifery research ● Descriptive statistics -Frequency, table and graph	2	Lecture, Group work, Discussion

	-Central tendency (Mean, Median, Mode)		
36.	Introduction to statistics ● Graphic presentation (Table, bar, pie chart)	2	Lecture and Discussion
37.	Selected population statistics ● Birth rate ● Literacy rate ● Life expectancy ● GDP/GNP	2	Lecture, Group work, Discussion
38.	Health related statistics ● Mortality rate ● Morbidity rate ● Incidence and prevalence of disease	2	Lecture and Discussion
39.	Review of learning	2	Group Work
40.	Qualitative Research Process ● How to formulate question ● How to collect data	2	Lecture Group work Discussion
41.	Qualitative Research Process ● How to analyse data	2	Lecture Group work Discussion
42.	Qualitative Research Process ● Validity ● Reliability ● Trustworthiness	2	Lecture and Discussion
43.	Review of learning	2	Group Work
44.	Quantitative Research ● Approaches to Quantitative Research ● Discuss the differences in these approaches using examples	2	Lecture and Discussion
45.	Qualitative Research ● Approaches to Qualitative Research Discuss the differences in these approaches using examples	2	Lecture and Discussion Group work

46.	Qualitative Research <ul style="list-style-type: none"> Introduce different types of Qualitative research 	2	Lecture and Discussion Group work
47.	Mixed Methods Research <ul style="list-style-type: none"> What is mixed methods research characteristics of mixed methods research advantages of mixed methods research used mixed methods research 	2	Lecture and Discussion Group work
48.	Review of Learning	2	Group work
49.	Critique of qualitative and quantitative research	2	Lecture and Discussion Group work
50.	Writing of Research project	2	Lecture group work and Discussion
51.	Method of dissemination	2	Lecture and Discussion
52.	Writing References	2	Lecture and Discussion Group work
53.	Research proposal	4	Group Presentations

Course Title: DM232 The Art and Science of Midwifery**Classroom Study Hours: 180****Laboratory Practice Hours: 60****Practice Hours: 200****Course Description**

Midwifery knowledge and practice is developed to a level where the student provides safe, competent and confident midwifery care within the scope of the normal maternity experience and recognises deviations from normal. Midwifery assessment and decision making skills are developed in the areas of antenatal, intrapartum, postnatal including breastfeeding and care of the new-born. Pharmacology is further developed and Prescribing is taught.

Course Objectives**Upon completion of the course the student will be able to:**

1. Apply midwifery knowledge and be proficient in midwifery skills to provide safe and competent midwifery care autonomously (under supervision) within the normal maternity experience and when there are deviations from normal.
2. Demonstrate knowledge, assessment and critical thinking skills related to antenatal, intrapartum, postpartum and new-born care.
3. Recognise the potential for normal processes to be disrupted and explore the nature of these disruptions.
4. Demonstrate competence in selected practice skills in caring for a woman through the maternity experience
5. Integrate research findings and evidence into decision making in midwifery practice and provide health education

Upon completion of clinical placement the student will be able to

1. Apply principles of professionalism to practice, demonstrating leadership and working in partnership, being accountable, communicating effectively and advocating where appropriate when pregnancy/birth/postnatal begins to deviate from normal.

2. Demonstrate knowledge and skills to provide safe, competent midwifery care when there are deviations from normal and/or complications and/or, unexpected outcomes and/or emergency situations during the childbirth experience.
3. Recognise and demonstrate the ability to grow, use and integrate a comprehensive midwifery knowledge base into both normal and complicated practice situations
4. Recognise and demonstrate specific midwifery skills to respond appropriately and effectively to deviations from normal childbirth.
5. Demonstrate ability to incorporate reflection, logical reasoning and/or problem-solving into midwifery practice
6. Demonstrate consultative, complex, decision-making capabilities to provide safe and effective midwifery care

Pillars (Standards) of Practice

Partnership

Plans and provides midwifery care in partnership with woman recognising when events are deviating from the normal.

Works in partnership with all the maternity team to provide excellent care for women when things begin to deviate from the normal

Knowledge

Utilizes knowledge and skills of normal antenatal, intrapartum and postpartum period to recognise when events deviate from the normal

Critical Thinking.

Applies critical thinking to situations where events are deviating from the normal

Applies effective problem solving methods to events which are becoming complicated

Applies current research to practice.

Prioritising of care

Flexible thinking

Competence

Competently and confidently cares for women and baby when pregnancy, labour and birth and the puerperium deviate from the normal.

Prioritises midwifery care safely and effectively when events become complicated.

Demonstrates technical competence in skills across the maternity experience when events deviate from the normal.

Demonstrates understanding and competence with breastfeeding difficulties.

Decision Making

Recognition of the complexity of decision making when events become complicated

Develops midwifery decision making skills in practice when events become complicated

Practice Skills

Abdominal Palpation and assessment of pregnant women in normal pregnancy and labour

Vaginal examination
Administration of medications oral and injections
Examination of the placenta
Estimating blood loss
Comprehensive examination of genital tract after birth
Perineal suturing
Artificial Rupture of Membranes
Working with women and their pain in labour,
Pharmacological pain management

Course requirements:

- Attend classroom study 80%
- Actively participate in group assignment and presentation
- Attend clinical Placements

Teaching -Learning Activities

- Lecture
- Discussion
- Group work and presentation
- Self-study

Course Assessments

Students will be assessed during the course using the following:

- Written Examination
- Oral
- Practical
- Formative
- Written Assignment
- Case Study

Course Assessments Clinical Practice**Practice Portfolio**

- Exemplars
- Reflective learning journal

- Progress logs
- Feedback from women and midwives
- Clinical skills checklist
- Clinical examination of New-born
- OSCAS

Course Outline: DM232 The Art and Science of Midwifery

Lesson	Topic	Hours	Learning and Teaching activities
1.	Introduction to Course and Assessments Anatomy and physiology <ul style="list-style-type: none"> ● Pelvic floor – structure and muscles 	2	Lecture Discussion
2.	Pelvic floor – structure and muscles	2	Lab
3.	Anatomy and physiology <ul style="list-style-type: none"> ● Anatomy of the Breast and development changes during pregnancy ● Initiation and Maintenance of lactation 	2	Lecture Discussion
4.	Embryology Review <ul style="list-style-type: none"> ● Embryology detailed development of fetus ● 	2	Lecture Discussion
5.	Embryology continue <ul style="list-style-type: none"> ● Factors affecting growth of fetus ● Effects of smoking, drugs, environment and psychological effects on the developing fetus ● Effects of prescribed medicines on developing fetus 	2	Lecture Discussion
6.	Physiology <ul style="list-style-type: none"> ● The physiology of the developing fetal/maternal relationship 	2	Lecture Discussion
7.	Neuro-hormonal feedback systems associated with <ul style="list-style-type: none"> ● Pregnancy/birth/breastfeeding and postpartum 	2	Lecture Discussion
8.	Review of Learning	2	Group work

9.	<p>Antenatal Care</p> <ul style="list-style-type: none"> Review antenatal decision points <p>Antenatal screening</p> <p>Pathophysiology/screening/prevention and treatment of</p> <ul style="list-style-type: none"> Syphilis Rubella 	2	Lecture, Discussion Group work
10.	<p>Antenatal screening</p> <p>Pathophysiology/screening/prevention and treatment of</p> <ul style="list-style-type: none"> Hepatitis B and C 	2	Lecture Discussion
11.	<p>Antenatal screening</p> <p>Pathophysiology/screening/prevention and treatment of</p> <ul style="list-style-type: none"> TB 	2	Lecture Discussion
12.	<p>Antenatal Care</p> <ul style="list-style-type: none"> HIV <p>Management of HIV during pregnancy, birth and the postnatal period to prevent mother/child transmission</p>	2	Lecture Discussion
13.	<p>Antenatal Care</p> <ul style="list-style-type: none"> Antenatal screening for infections (TORCH) 	2	Lecture Discussion
14.	<p>Antenatal Care</p> <ul style="list-style-type: none"> Urinary tract infections, screening, prevention and treatment. 	2	Lecture Discussion
15.	<p>Antenatal Care</p> <ul style="list-style-type: none"> Sexually transmitted infections 	2	Lecture Group work Discussion
16.	<p>Antenatal</p> <p>Recognition of deviations from normal in maternal health</p> <ul style="list-style-type: none"> blood pressure, urinalysis, odema and other physical concerns 	2	Lecture Group work Discussion

17.	Antenatal Recognition of deviations from normal in maternal health <ul style="list-style-type: none"> ● psychological and emotional well being 	2	Lecture Discussion
18.	Antenatal Recognition of deviations from normal in relation to fetal well being <ul style="list-style-type: none"> ● fetal growth restriction, ● estimation of liquor volume 	2	Lecture Discussion
19.	Antenatal Recognition of fetal growth restriction and estimate liquor volume <ul style="list-style-type: none"> ● Oligo hydramnios, ● Poly hydramnios 	2	Group work Peer teaching
20.	Antenatal Recognition of deviations from normal in relation to fetal well being <ul style="list-style-type: none"> ● Abnormal lie ● Mal-presentation ● Multiple pregnancy 	2	Lecture, Discussion Group work
21.	Antenatal screening & diagnosis <ul style="list-style-type: none"> ● Ultra sound scanning, ● Routine investigation 	2	Lecture Group work Discussion
22.	Review of Learning /Practice skills	2	Lab
23.	Screening tests <ul style="list-style-type: none"> ● Nuchal Translucency ● First and Second Trimester Maternal Serum Screening tests 	2	Lecture Discussion
24.	Antenatal screening & diagnosis <ul style="list-style-type: none"> ● Amniocentesis, Chorionic Villus Sampling 	2	Lecture Discussion
25.	Ethics of screening	2	Lecture Discussion
26.	Review of Learning	2	Group work

27.	Antenatal ● Anaemia	2	Lecture Discussion
28.	Antenatal ● Iron Deficiency Anaemia ● Diagnosis and treatment of Iron deficiency anaemia ● Interpretation of antenatal blood results anaemia	2	Lecture Discussion
29.	Antenatal ● Anaemia other than iron deficiency anaemia including thalassemia	2	Lecture Discussion
30.	Antenatal ● Anaemia -different anaemia's and how they can impact on women and babies health.	2	Lab Peer teaching
31.	Anaemia Continue... -different anaemia's and how they can impact on women and babies health.	2	Lab
32.	Antenatal ● Red blood cell antibodies ● ABO incompatibility	2	Lecture Discussion
33.	Antenatal ● Red blood cell antibodies and how they can impact on women and babies health.	2	Lecture, discussion
34.	Review of learning	2	Group work
35.	Antenatal Education ● Purpose of antenatal education ● Principles of antenatal education ● Strategies of antenatal education	2	Lecture Discussion
36.	Antenatal Education ● Common discomforts of pregnancy	2	Lecture Discussion
37.	Antenatal Education ● Practice session on common discomforts of pregnancy	2	Lab
38.	Antenatal education	2	Lecture, Group work, discussion

	<p>Antenatal/health education sessions on the following</p> <ul style="list-style-type: none"> ● Infections that may compromised health tetanus toxoid/ hookworm, ascariasis malaria, tuberculosis 		
39.	<p>Antenatal Education</p> <ul style="list-style-type: none"> ● Sexually transmitted diseases 	2	Group presentation
40.	<p>Antenatal Education</p> <ul style="list-style-type: none"> ● Infections that may compromised health tetanus toxoid/ hookworm, ascariasis, malaria, tuberculosis 	2	Group presentation
41.	<p>Antenatal education</p> <p>Antenatal/health education sessions on the following</p> <ul style="list-style-type: none"> ● Iron deficiency ● iron/folate ● iron supplements 	2	Group presentation
42.	<p>Catheterisation</p> <p>Definition Purposes Equipment Procedure</p>	2	Lecture Discussion
43.	<p>Practice Skills Lab</p> <ul style="list-style-type: none"> ● Catheterisation 	2	Lab
44.	<p>Phlebotomy</p> <ul style="list-style-type: none"> ● Definition ● Purposes ● Precaution ● Procedure 	2	Lecture Group work Discussion
45.	<p>Practice Skills Lab</p> <ul style="list-style-type: none"> ● Phlebotomy -Taking blood 	2	Lab
46.	<p>Antenatal skills</p> <ul style="list-style-type: none"> ● Review Palpation focusing of assessment of fetal growth and assessment of liquor volume 	2	Lecture Discussion

47.	Antenatal skills Practice Skills Lab <ul style="list-style-type: none"> ● Review Palpation focusing of assessment of fetal growth and assessment of liquor volume 	2	Lab
48.	Pharmacology <ul style="list-style-type: none"> ● Review of drug calculations 	2	Lecture Group work
49.	Pharmacology Practice Skill <ul style="list-style-type: none"> ● Review of drug calculations 	2	Lab
50.	Review of Learning Practice Skills	2	Lab
51.	Labour and Birth <ul style="list-style-type: none"> ● Midwife's role in protecting normal birth ● Decision points labour and birth 	2	Lecture Group work Discussion
52.	Labour and Birth Review <ul style="list-style-type: none"> ● Take a full history for labour –systematic approach 	2	Lecture Group work
53.	Labour and Birth Continue... <ul style="list-style-type: none"> ● Taking a full history using systematic approach 	2	Lab
54.	Labour and Birth continue... <ul style="list-style-type: none"> ● Assessment of Progress of labour latent, active and transition ● Monitoring of maternal and fetal well-being and interpreting appropriately maternal vital signs and wellbeing and fetal heart/liquor (ISIA decision-making framework) 	2	Lecture Group work Discussion
55.	Labour and Birth Practice skills Continue <ul style="list-style-type: none"> ● Assessment of Progress of labour second stage ● Monitoring of maternal and fetal well-being using ISIA decision-making framework 	2	Lab
56.	Review of Learning Practice skills	2	Lab
57.	Labour and Birth <ul style="list-style-type: none"> ● Planning for birth 	2	Lecture Group work

	<ul style="list-style-type: none"> • Equipment and procedure • emergency preparedness 		Discussion
58.	Labour and Birth <ul style="list-style-type: none"> • Review Partograph use in labour 	2	Lecture Discussion
59.	Labour and Birth <ul style="list-style-type: none"> • Review Partograph use in labour – Scenario lab work using Partograph 	2	Lab
60.	Labour and Birth <ul style="list-style-type: none"> • Place of birth risks and benefit exploring evidence and research 	2	Lecture Group work Discussion
61.	Labour and Birth Vaginal examinations review <ul style="list-style-type: none"> • Indication • Contraindication • Equipment • Procedure 	2	Lecture Group work Discussion
62.	Labour and Birth Practice skills Lab <ul style="list-style-type: none"> • Vaginal examinations 	2	Lab
63.	Labour and birth Artificial rupture of membranes <ul style="list-style-type: none"> • Indication • Contraindication • Equipment • Procedure 	2	Lecture Group work Discussion
64.	Labour and Birth Practice skills Lab Artificial rupture of membranes	2	Lab
65.	Labour and Birth <ul style="list-style-type: none"> • Prevention of pelvic floor damage during labour and birth 	2	Lecture Discussion
66.	Review of Learning	2	Group Work
67.	Labour and Birth <ul style="list-style-type: none"> • premature rupture of membranes • prolonged rupture of membranes 		Lecture Discussion

68.	Labour and Birth ● Occiput Posterior labour	2	Lecture Group work Discussion
69.	Labour and Birth ● Fetal distress, recognition of and actions taken.	2	Lecture Group work Discussion
70.	Labour and Birth Practice skills lab ● Care of women in Occiput Posterior labour ● Fetal distress, recognition of and actions taken.	2	Lab
71.	Labour and Birth ● Prolonged labour	2	Lecture Discussion
72.	Labour and Birth ● Theories of the physiology of pain	2	Lecture Discussion
73.	Labour and Birth ● Non pharmacological pain relief ● Pharmacological pain relief	2	Lecture Group work Discussion
74.	Labour and Birth Practice skills lab ● Appropriate strategies to work with women and their pain in labour	2	Lecture Discussion
75.	Review of Learning practice skills	2	Lab
76.	Labour and Birth 1 st stage management of labour Equipment and procedure	2	Lecture Group work Discussion
77.	Labour and Birth 2 nd stage management of labour Equipment and procedure	2	Lecture Group work Discussion
78.	Labour and Birth ● Third stage of labour ● Active Management of Third stage of labour	2	Lecture Group work Discussion

	<ul style="list-style-type: none"> • Cord clamping and cutting <p>WHO Managing Postpartum Haemorrhage</p> <p>Physiology and Management</p> <ul style="list-style-type: none"> • Module 1 		
79.	<p>Labour and Birth</p> <p>Third stage of labour</p> <p>WHO Managing Postpartum Haemorrhage</p> <p>Physiology and Management</p> <ul style="list-style-type: none"> • WHO Managing Postpartum Haemorrhage Module 1 continued including Lab session (this includes examination of the placenta) 	2	Lab
80.	<p>Labour and Birth</p> <p>Third stage of labour</p> <ul style="list-style-type: none"> • In-depth look at Drugs of third stage of labour including Pharmacology of drugs (oxytocin, ergometrine) 	2	Lecture Group work Discussion
81.	<p>Labour and Birth</p> <p>Third stage of labour</p>	2	Peer teaching
82.	<p>Labour and Birth review</p> <ul style="list-style-type: none"> • Cannulation 	2	Lecture Group work Discussion
83.	<p>Labour and Birth</p> <p>Practice skill</p> <ul style="list-style-type: none"> • Cannulation 	2	Lab
84.	<p>Third stage of Labour</p> <p>WHO Managing Postpartum Haemorrhage</p>	2	Lecture Group work Discussion

	<ul style="list-style-type: none"> Continuing to work through WHO Managing Postpartum Haemorrhage Education material for teachers of Midwives Session 2 Understanding Postpartum Haemorrhage 		
85.	<p>Third stage of Labour</p> <p>WHO Managing Postpartum Haemorrhage</p> <ul style="list-style-type: none"> Continuing to work through WHO Managing Postpartum Haemorrhage Education material for teachers of Midwives Session 3 Avoidable factors 	2	Lecture Group work Discussion
86.	<p>Third stage of Labour</p> <p>WHO Managing Postpartum Haemorrhage</p> <ul style="list-style-type: none"> Continuing to work through WHO Managing Postpartum Haemorrhage Education material for teachers of Midwives Session 4 Identifying the Problem 	2	Lecture Group work Discussion
87.	<p>Third stage of Labour</p> <p>WHO Managing Postpartum Haemorrhage</p> <ul style="list-style-type: none"> Continuing to work through WHO Managing Postpartum Haemorrhage Education material for teachers of Midwives Session 5 Managing Primary Post-Partum Haemorrhage 	2	Lecture Group work Discussion
88.	<p>Third stage of Labour</p> <p>Continuing to work through WHO Managing Postpartum Haemorrhage Education material for teachers of Midwives</p>	2	Lecture Group work Discussion

	<ul style="list-style-type: none"> ● Session 6 Managing Secondary Post-Partum Haemorrhage 		
89.	<p>Third stage of Labour</p> <p>WHO Managing Postpartum Haemorrhage</p> <ul style="list-style-type: none"> ● Continuing to work through WHO Managing Postpartum Haemorrhage Education material for teachers of Midwives ● Session 7 Learning clinical skills theory session (not all module just those listed) <ul style="list-style-type: none"> ○ Uterine massage ○ Set up IV fluids/infusion ○ Bimanual compression 	2	Lecture Group work Discussion
90.	<p>Third stage of Labour</p> <p>WHO Managing Postpartum Haemorrhage</p> <p>Session 7 Learning clinical skills theory Lab session</p> <ul style="list-style-type: none"> ● (not all module just those listed) <ul style="list-style-type: none"> ○ Uterine massage ○ Set up IV fluids/infusion ○ Bimanual compression 	2	Lab
91.	<p>Third stage of Labour</p> <p>WHO Managing Postpartum Haemorrhage</p> <ul style="list-style-type: none"> ● Session 9 Manual removal of the Placenta 	2	Lecture Group work
92.	<p>Labour and Birth</p> <p>3rd Stage</p> <ul style="list-style-type: none"> ● Review A and P of Pelvic floor ● Examination of the genital Tract 	2	Lecture Group work Discussion

93.	Labour and Birth 3rd Stage Episiotomy and suturing <ul style="list-style-type: none"> ● Indication ● Contraindication ● Equipment ● Procedure 	2	Lecture Group work Discussion
94.	Labour and Birth 3rd Stage Practice Skills <ul style="list-style-type: none"> ● Episiotomy and suturing 	2	Lab
95.	Labour and Birth 3rd Stage <ul style="list-style-type: none"> ● Suturing Part 1 A and P and knots of suturing 	2	Lecture Group work Discussion
96.	Postnatal Involution of uterus	2	Lecture Group work Discussion
97.	Postnatal Involution of uterus	2	Lab
98.	Postnatal and Breastfeeding <ul style="list-style-type: none"> ● Composition of Breast milk ● Initiation and maintenance of lactation ● Latching, attachment and ensuring baby feeding 	2	Lecture Group work Discussion
99.	Postnatal and Breastfeeding <ul style="list-style-type: none"> ● Latching, attachment and ensuring baby feeding ● Attachment and Bonding 	2	Lab Role play
100.	Postnatal and Breastfeeding	2	Lecture

	<ul style="list-style-type: none"> ● Feeding in the first week ● Colostrum ● Baby's stomach size ● How much breast milk does baby require <p>Day1, 2, 3, 4 ,5 and onwards</p>		<p>Group work</p> <p>Discussion</p>
101.	<p>Postnatal and Breastfeeding</p> <ul style="list-style-type: none"> ● Health Benefits of breastfeeding ● Exclusive breast feeding ● WHO code 	2	<p>Lecture</p> <p>Group work</p> <p>Discussion</p>
102.	<p>Postnatal and Breastfeeding</p> <ul style="list-style-type: none"> ● Common difficulties experienced by breastfeeding woman, engorgement, sore nipples and other difficulties 	2	<p>Lecture, Group work , Discussion</p>
103.	<p>Postnatal and Breastfeeding</p> <ul style="list-style-type: none"> ● Common difficulties experienced by breastfeeding woman, engorgement, sore nipples and other difficulties 	2	<p>Lab</p>
104.	<p>Postnatal New-born</p> <ul style="list-style-type: none"> ● Newborn situation in Bangladesh ● Mortality trends in Bangladesh ● Introduction to Essential Newborn care document 	2	<p>Lecture</p> <p>Group work</p> <p>Discussion</p>
105.	<p>Postnatal New-born</p> <ul style="list-style-type: none"> ● Review Fetal circulation ● Recognition of asphyxia/respiratory distress/hypoxia 	2	<p>Lecture</p> <p>Group work</p> <p>Discussion</p>
106.	<p>Postnatal New-born</p> <ul style="list-style-type: none"> ● Transition to extra uterine life ● Apgar assessment 	2	<p>Lecture</p> <p>Group work</p> <p>Discussion</p>
107.	<p>Postnatal New-born</p> <ul style="list-style-type: none"> ● Thermal protection/regulation/skin to skin/ ● hypothermia, hypoglycaemia/hypoxia 	2	<p>Lecture</p> <p>Group work</p> <p>Discussion</p>

108.	Postnatal New-born Apgar assessment	2	Lab
109.	Postnatal New-born <ul style="list-style-type: none"> ● Prevention of disease in New born ● Essential elements of daily care/ cord care/. nutritional needs/weight gain ● Normal weight gain ● Normal urine output 	2	Lecture Group work Discussion
110.	Postnatal New-born <ul style="list-style-type: none"> ● Initial new born exam (full physical assessment) 	2	Lecture Group work Discussion
111.	Postnatal New-born Practice skill <ul style="list-style-type: none"> ● Initial new born exam (full physical assessment) 	2	Lab
112.	Postnatal New-born <ul style="list-style-type: none"> ● Review Helping Babies Breath ● Drugs are used in Neonatal resuscitation 	2	Lecture Group work Discussion
113.	Postnatal New-born Practice skill <ul style="list-style-type: none"> ● Review of Helping Babies Breath 	2	Lab
114.	Postnatal Maternal Sepsis <ul style="list-style-type: none"> ● WHO Managing Puerperal Sepsis Education material for teachers of Midwives Session 1 Understanding Puerperal Sepsis	2	Lecture Group work Discussion
115.	Postnatal Maternal Sepsis <ul style="list-style-type: none"> ● WHO Managing Puerperal Sepsis Education material for teachers of Midwives Session 2 Avoidable Factors	2	Lecture Group work Discussion
116.	Postnatal Maternal Sepsis <ul style="list-style-type: none"> ● WHO Managing Puerperal Sepsis Education material for teachers of Midwives Session 3 Identifying the Problem	2	Lecture Group work Discussion
117.	Postnatal Maternal Sepsis	2	Lecture

	<ul style="list-style-type: none"> • WHO Managing Puerperal Sepsis <p>Education material for teachers of Midwives</p> <p>Session 4 Managing Puerperal Sepsis</p>		<p>Group work</p> <p>Discussion</p>
118.	<p>Postnatal Maternal Sepsis</p> <ul style="list-style-type: none"> • WHO Manging Puerperal Sepsis <p>Education material for teachers of Midwives</p> <p>Session 5 Learning Clinical skills</p> <p>Managing Puerperal Sepsis</p>	2	Lab
119.	<p>Pharmacology and basic pharmacokinetics related to midwifery care during the maternity continuum</p> <ul style="list-style-type: none"> • Antibiotics • Other drugs covered in this course(As per SOP) • Prescribing how to write up a drug prescription 	2	<p>Lecture</p> <p>Discussion</p>
120.	<p>Prescribing how to write up a drug prescription</p>	2	Lab

Course Title: DM233 Women's Health

Classroom Study Hours: 108

Laboratory Practice Hours: 50

Practice Hours: 200

Course Description

Women's health in Bangladesh and conditions which compromise the health of women including early pregnancy, gynaecological and medical conditions are explored and examined

Course Objectives

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

1. Demonstrate knowledge and understanding of the women's health issues along with women's reproductive rights
2. Demonstrate knowledge related to preconceptual care, early pregnancy and gynaecological conditions including unsafe abortion and Menstruation Regulation (MR) and Manual Vacuum Aspiration (MVA)
3. Demonstrate knowledge and understanding of women's health screening programme .
4. Understand and demonstrate skills in the assessment diagnosis, management and treatment of common pathophysiological disorders and medical conditions .
5. Demonstrate knowledge, skill in relation to family planning and ability to educate about family planning.
6. Demonstrate an understanding of the a multi-disciplinary approach and complexities of partnership, decision making and communication in relation to illness, management and treatment.

Upon completion of clinical placement the student will be able to

- Demonstrate professionalism and leadership by being accountable, demonstrating good communication skills and advocating for women with women's health issues and medical conditions.
- Demonstrate the complexities of partnership with working with women with medical conditions including working with a multidisciplinary team
- Demonstrate knowledge and skill in relation to midwifery role in women's health and working with women with medical conditions
- Demonstrates appropriate decision making and referral
- Demonstrate clinical skills of safe, competent midwifery practice when working with women with women's health issues and medical conditions including full physical assessment of well woman
- Demonstrate ability to think critically in practice when working with women with medical conditions and a multidisciplinary team

Practice skills

- Full physical assessment of well woman
- Administration of Medications
- Administration of Injection
- Use of equipment such as intravenous equipment, nebulisers, glucometers, oxygen
- Blood glucose testing
- Nasogastric tubes
- Urinary drainage and testing
- Dressings
- Documentation including fluid balance charts
- Specimen collection
- Bedside care of clients including bed bathing, lifting, mobilisation
- CPR
- MR and MVA
- Swab taking

Course Requirements

- Attend classroom study 80%
- Actively participate in group assignment and presentation
- Participate in learning activities
- Participate in family planning and MR land MVA learning
- Demonstrate competence in named practice skills

Teaching -Learning Activities

- Lecture
- Discussion
- Group work and presentation
- Self-study
- Clinical practice skills

Course Assessments

Students will be assessed during the course using the following:

- Examination
- Case Study
- Viva

Course Assessments Clinical Practice**Practice Portfolio**

- Exemplars
- Progress logs
- Feedback from women and midwives
- Clinical skills checklist
- Full physical examination of woman
- OSCAS

Course Outline: DM233 Women's Health

Lesson	Topic	Hours	Learning and Teaching activities
1.	Introduction to course and assessment Introduction to Women's health <ul style="list-style-type: none"> ● Women's health and women's health issues in Bangladesh 	2	Lecture Group work Discussion
2.	The role and status of women in Bangladesh <ul style="list-style-type: none"> ● Income and employment ● Education ● Health and sexual health ● Poverty ● Socialisation Adaptation of motherhood and childbirth 	2	Lecture Group work Discussion
3.	The role and status of women in Bangladesh Divide Class into 5 groups each group do to 5-10 minute presentation on one of the following topics <ul style="list-style-type: none"> ● Income and employment ● Education ● Health and sexual health ● Poverty ● Socialisation- Adaptation of motherhood and childbirth 	2	Group work Peer Teaching
4.	The role and status of women in Bangladesh <ul style="list-style-type: none"> ● Women's Rights ● Human rights ● Reproductive Rights ● Sex and gender ● Gender and empowerment 	2	Lecture Group work Discussion
5.	Women's Health issues in Bangladesh <ul style="list-style-type: none"> ● Sexuality, sexual orientation and sexual activity ● Growth and development related to sexuality ● Sexual development ● Age of marriage ● Sexual dysfunction ● Infertility ● Other relevant issues 	2	Lecture Group work Discussion
6.	Review of learning	2	Group work

7.	<ul style="list-style-type: none"> Gender based Violence Workshop Session 1 <p>Class need to do a workshop on Gender based Violence this will require 6 hours (a day)</p>	2	Workshop
8.	<ul style="list-style-type: none"> Gender based Violence Workshop Session 2 	2	Workshop
9.	<ul style="list-style-type: none"> Gender based Violence Workshop Session 3 	2	Workshop
10.	Review of Learning	2	Group work/Discussion
11.	Screening of women's health in Bangladesh	2	Lecture/Group Work/ Discussion
12.	<p>Physical examination of well woman</p> <p>Physical assessment of the well woman (heart, lungs, breasts, abdomen, thyroid, legs, reflexes, nutritional status)</p>	2	Lecture/Group Work/ Discussion
13.	<p>Physical examination of well woman</p> <p>Practice skill</p> <ul style="list-style-type: none"> Physical examination of well woman 	2	Lab
14.	<p>Physical examination of woman</p> <ul style="list-style-type: none"> Use of speculum 	2	Lecture Group work Discussion
15.	<p>Physical examination of woman</p> <p>Practice skills</p> <ul style="list-style-type: none"> Use of speculum 	2	Lab
16.	Review of Learning	2	Group work
17.	<p>Family Planning</p> <ul style="list-style-type: none"> Concepts Types 	2	Lecture Group work Discussion
18.	<p>Family planning</p> <ul style="list-style-type: none"> Natural methods of family planning Surgical contraception Contraceptive pills 	2	Lecture Group work Discussion
19.	<p>Family planning continued</p> <ul style="list-style-type: none"> Injectable contraceptives Barrier contraceptives 	2	Lecture Group work Discussion

20.	Family planning continued <ul style="list-style-type: none"> ● Long acting reversible contraceptives (LARCs) ● IUD ● PPIUD 	2	Lecture Group work Discussion
21.	Midwifery Laboratory Teaching Long acting reversible contraceptives (LARCs) <ul style="list-style-type: none"> ● IUD ● PPIUD 	2	Lab
22.	Midwifery Laboratory Teaching <ul style="list-style-type: none"> ● Practice Inserting IUD and other contraceptive devices ● Implant contraceptives 	2	Lab
23.	Family Planning Education and Presentation <ul style="list-style-type: none"> ● Students to prepare education session for a woman on a method of contraception then present to class. ● All methods of contraception to be covered 	2	Group Work/Peer teaching
24.	Counselling <ul style="list-style-type: none"> ● Definition ● Criteria ● Steps ● Qualities of good communicator 	2	Lecture Group work Discussion
25.	Family planning counselling	2	Lab
26.	Review of Learning	2	Group work
27.	Managing incomplete abortion (WHO midwifery module incomplete abortion) <ul style="list-style-type: none"> ● Avoidable Factors Session 2 ● Identifying the Problem Session 3 	2	Lecture Group work Discussion
28.	Managing incomplete abortion (WHO midwifery module incomplete abortion) <ul style="list-style-type: none"> ● Managing incomplete abortion: Post abortion care Session 4 	2	Lecture Group work Discussion
29.	Managing incomplete abortion (WHO midwifery module incomplete abortion) <ul style="list-style-type: none"> ● Learning Clinical skills : Session 5 (will only do some of the skills as some already have been taught) ● Review Taking and recording vital signs ● Do monitoring a blood transfusion 	2	Lab
30.	Managing incomplete abortion (WHO midwifery module incomplete abortion)	2	Lab

	<ul style="list-style-type: none"> • Learning Clinical skills : Session 5 continued (will only do some of the skills as some already have been taught) • Bimanual compression of the uterus • Manual compression to the Aorta 		
31.	Managing incomplete abortion (WHO midwifery module incomplete abortion) <ul style="list-style-type: none"> • Learning Clinical skills : Session 5 continued (will only do some of the skills as some already have been taught) 	2	Lab
32.	Review of Learning	2	Lab
33.	Managing incomplete abortion Post abortion care (PAC) with MR <ul style="list-style-type: none"> • Definition • Importance • Elements 	2	Lecture Group work Discussion
34.	Managing incomplete abortion (WHO midwifery module incomplete abortion) Session 6 Manual Vacuum aspiration <ul style="list-style-type: none"> • MR followed by MVA and MRM • List the instruments and supplies required for MVA 	2	Lecture Group work Discussion
35.	Managing incomplete abortion (WHO midwifery module incomplete abortion) Session 6 Manual Vacuum aspiration continued <ul style="list-style-type: none"> • Preparation of patient for MVA including pain control • Steps in procedure for MVA 	2	Lecture Group work Discussion
36.	Managing incomplete abortion (WHO midwifery module incomplete abortion) Practice skills session Session 6 Manual Vacuum aspiration <ul style="list-style-type: none"> • Equipment and steps of procedure 	2	Lab
37.	Managing incomplete abortion (WHO midwifery module incomplete abortion) Session 6 Manual Vacuum aspiration continued <ul style="list-style-type: none"> • Describe the post procedural care following MVA • Post-operative instructions including complications 	2	Lecture Group work Discussion

	<ul style="list-style-type: none"> ● Procedural complications ● Infection prevention 		
38.	<p>Managing incomplete abortion (WHO midwifery module incomplete abortion)</p> <p>Practice skills session continued</p> <p>Session 6 Manual Vacuum aspiration</p> <ul style="list-style-type: none"> ● MVA procedure 	2	Lab
39.	<p>Managing incomplete abortion</p> <ul style="list-style-type: none"> ● MRM (Menstrual Regulation with Medication) <p>-Indication -Contraindication -Side effects -MRM drugs- Routes, doses</p>	2	Lecture Group work Discussion
40.	<p>Managing incomplete abortion (WHO midwifery module incomplete abortion)</p> <p>Session 7 Post abortion family planning</p>	2	Lecture Group work Discussion
41.	Review of Learning	2	Lab
42.	<p>Early pregnancy conditions</p> <ul style="list-style-type: none"> ● Hyperemesis Gravidarum ● miscarriage ● early pregnancy bleeding ● ectopic pregnancy 	2	Lecture Group work Discussion
43.	<p>Gynaecological conditions</p> <ul style="list-style-type: none"> ● Molar pregnancy ● Polycystic ovaries ● PID ● bleeding, 	2	Lecture Group work Discussion
44.	<p>Midwifery skills classroom teaching</p> <ul style="list-style-type: none"> ● Speculum/Taking swabs(HVS, Chlamydia) ● Screening for cervical cancer ● Visual Inspection of Cervix with Acetic Acid(VIA) ● Cervical smears (learn about what they are and procedure) 	2	Lecture Discussion

45.	Midwifery Laboratory Teaching <ul style="list-style-type: none"> ● Speculum and swab taking ● Visual Inspection of Cervix with Acetic Acid(VIA) 	2	Lab
46.	Review of Anatomy and Physiology of all the major systems of the body. (Students to prepare these reviews) <ul style="list-style-type: none"> ● Cardiac ● Respiratory ● Endocrine ● Neurological ● Renal ● Digestive These reviews will be given at the beginning of teaching about conditions related to these systems. Teacher to cover pathophysiology/signs and symptoms/treatment/management/tests and investigations for all conditions	2	Lecture Discussion
47.	Cardiac system Review of Cardiac system by students <ul style="list-style-type: none"> ● Hypertension ● Rheumatic fever/rheumatic heart disease 	2	Lecture Discussion
48.	Cardiac system continued <ul style="list-style-type: none"> ● Congestive heart failure/myocardial infarction 	2	Lecture Group work Discussion
49.	Midwifery Practice skills teaching <ul style="list-style-type: none"> ● CPR 	2	Lecture Discussion
50.	Midwifery Practice skills teaching <ul style="list-style-type: none"> ● CPR Continue... 	2	Lecture Group work Discussion
51.	Midwifery Laboratory practice <ul style="list-style-type: none"> ● CPR 	2	Lab
52.	Review of learning or if needed more practice CPR	2	Lab
53.	Midwifery Practice skills teaching <ul style="list-style-type: none"> ● Bedside care of clients including bed bathing, lifting, mobilisation 	2	Lecture Discussion
54.	Midwifery Laboratory practice <ul style="list-style-type: none"> ● Bedside care of clients including bed bathing, lifting, mobilisation 	2	Lab

55.	Respiratory system Review of Respiratory system by students <ul style="list-style-type: none"> ● Asthma ● Pneumonia 	2	Lecture Discussion
56.	Midwifery Practice skills teaching <ul style="list-style-type: none"> ● Oxygen ● Nebulization 	2	Lecture Group work Discussion
57.	Midwifery Laboratory practice <ul style="list-style-type: none"> ● Oxygen ● Nebulization 	2	Lab
58.	Respiratory system continued <ul style="list-style-type: none"> ● Tuberculosis ● Effect of TB on pregnant women 	2	Lecture Group work Discussion
59.	Review of Learning	2	Lab
60.	Renal Review of Renal system <ul style="list-style-type: none"> ● Renal failure ● Pyelonephritis 	2	Lecture Discussion
61.	Endocrine Review of endocrine system <ul style="list-style-type: none"> ● Diabetes type 1 and type II 	2	Lecture Discussion
62.	Midwifery Practice skills teaching <ul style="list-style-type: none"> ● Blood Glucose testing ● Glucometers ● Urine for albumin and sugar testing 	2	Lecture Group work Discussion
63.	Midwifery Laboratory practice <ul style="list-style-type: none"> ● Blood Glucose testing ● Glucometers ● Urine for albumin and sugar testing 	2	Lab
64.	Endocrine continued <ul style="list-style-type: none"> ● Thyroid disease 	2	Lecture Discussion
65.	Neurological Review of Neurological system <ul style="list-style-type: none"> ● Malaria ● Epilepsy 	2	Lecture Discussion

66.	Neurological continued ● Cardio vascular accident	2	Lecture Discussion
67.	Midwifery Practice skills teaching ● Nasogastric tubes	2	Lecture Discussion
68.	Midwifery Laboratory practice ● Nasogastric tubes	2	Lab
69.	Midwifery Practice skills teaching ● Fluid balance charts	2	Lecture Discussion
70.	Midwifery Laboratory practice ● Fluid balance charts	2	Lab
71.	Digestive System Review of Digestive system ● Peptic ulcer	2	Lecture Group work Discussion
72.	Digestive System continued ● Gastroenterocolitis	2	Lecture Group work Discussion
73.	Digestive System continued ● Gut obstruction: small and large bowel obstruction ●	2	Lecture Group work Discussion
74.	Review of Learning	2	Lab
75.	Midwifery Practice skills teaching ● Specimen collection	2	Lecture Group work Discussion
76.	Midwifery Laboratory practice ● Specimen collection	2	Lab
77.	Midwifery Practice skills teaching ● Dressings	2	Lecture Group work Discussion
78.	Midwifery Laboratory practice ● Dressings	2	Lab
79.	Midwifery Laboratory practice ● Review of Drug calculation skills	2	Lab

Course Title: DM 234 Complicated Maternity Experience

Classroom Study Hours: 216

Laboratory Practice Hours: 70

Practice Hours: 200

Course Description

This course develops knowledge and skills in relation to complications of the maternity experience including obstetric emergencies. This course will focus on midwifery assessment, treatment appropriate management and referral for complications. This course will also cover the peri-operative continuum.

Course Objectives

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

1. Provide midwifery care for women with complications in pregnancy/childbirth/postnatal including obstetric emergencies and during the peri operative continuum
2. Demonstrate knowledge and understanding of the pathophysiology, diagnosis, management and treatment (including pharmacology) of the complications of the maternity experience.
3. Apply understanding and analyse the impact of complications or unexpected outcomes on the woman's and family's experience of childbirth
4. Apply and integrate relevant research and literature into midwifery practice for women with complications

5. Reflect upon and analyse the care women and their families receive from a variety of perspectives
6. Accomplish named skills for midwifery practice.

Upon completion of clinical placement the student will be able to

1. Competently apply principles of professionalism and leadership and communicate effectively and advocate where appropriate when there are complications and emergencies of the maternity experience.
2. Competently work in the partnership relationship when the maternity experience is complicated.
3. Apply knowledge and skills to provide safe, competent midwifery care when there are complications and/or, unexpected outcomes and/or emergency situations during the childbirth experience.
4. Integrate reflection, logical reasoning and/or problem-solving into midwifery practice
5. Proficiently make complex decisions to provide safe and effective midwifery care for women with complications, during emergencies and the peri operative continuum
6. Demonstrate competence and confidence in skills related to the complicated maternity experience and emergencies

Pillars (Standards) of practice

Professionalism and leadership

Understands the meaning of partnership in emergency and complicated situations

Confidently works with effectively with other health care professionals especially during the peri operative continuum

Clear articulation of Boundaries of midwifery care when the maternity experience is complicated and during emergencies

Demonstration of leadership in situations where the maternity experience is complicated

Leads where appropriate in the complicated clinical setting

Partnership

Competently works in partnership with women and their families when the maternity experience is complicated, during the peri operative continuum or when there are emergencies

Appropriate and professional consulting, and making referrals when the maternity experience is complicated

Knowledge

Application of knowledge of pathophysiology of complicated maternity that affects the maternity experience and the peri operative continuum

Knowledge of obstetric emergencies and those specified for this course (APH, PPH, shoulder dystocia, undiagnosed breech presentation, cord prolapse, uterine rupture)

Application of research to practice

Application of pharmacological knowledge to peri operative continuum

Critical Thinking.

Applies critical thinking and can explore plan of care, management and decisions when the maternity experience is complicated and during the peri operative continuum

Critical analysis of women's care

Effective Prioritising of care

Application of Logical reasoning and problem solving

Competence

Competently and confidently cares for woman and baby when pregnancy, labour and birth and the puerperium become complicated and during the peri operative continuum

Prioritises midwifery care safely and effectively when events become complicated and during the peri operative continuum.

Demonstrates competence in skills across the maternity experience and during the peri operative continuum

Practice competently in emergency situations.

Decision Making

Application of decision making skills when the maternity experience is complicated, during the peri operative continuum or when there are emergencies

Collaborative decision making

Practice Skills

- IV drug administration
- Blood transfusion
- CTG monitoring complicated (where applicable)
- Vaginal examination complicated
- Breastfeeding problems
- Artificial rupture of membranes complicated
- Intravenous cannulation
- Drug calculations
- Obstetric emergency management
- Pre-operative care/Physical and Psychological Preparation for surgery/Pre-operative checklist and handover to theatre staff
- Intra operative care/Familiar with equipment in theatre/emergency system/surgical asepsis/scrubbing/documentation in theatre/familiar with resuscitation equipment for baby
- Post-operative care/pain relief/drains/observations
- Post-operative breastfeeding and breastfeeding of preterm and other unwell newborns

Course Requirements

1. Attend classroom study 80%
2. Actively participate in group assignment and presentation

Course Requirements Clinical practice

1. Reflective learning journal
2. Progress logs
3. Feedback from women and midwives
4. Clinical skills checklist
5. Participation in Mock obstetric emergencies in practice

Teaching -Learning Activities

- Lecture
- Discussion
- Group work and presentation
- Self-study

Course Assessments

- Examination
- Viva Voce
- Assignment

Course Assessments Clinical Practice**Portfolio**

- Practice Exemplars
- Reflective learning journal
- Progress logs
- Feedback from women and midwives
- Clinical skills checklist
- OSCAS
- Case Study

Course Outline: DM 234 Complicated Maternity Experience

Lesson	Topic	Hours	Learning and Teaching activities

1.	Introduction to Course and assessment Introduction to complications of pregnancy, labour and postnatal <ul style="list-style-type: none"> ● Define maternal mortality and major causes of maternal death ● Predisposing factors ● Big 5 (maternal mortality and morbidity) 	2	Lecture Discussion
2.	Introduction to complications of pregnancy, labour and postnatal <ul style="list-style-type: none"> ● Midwives' role in influencing factors causing maternal mortality ● ICM ● Lancet Series on Midwifery 	2	Lecture Discussion
3.	Introduction to complications of pregnancy, labour and postnatal <ul style="list-style-type: none"> ● SDG Goals and maternal and new born mortality and morbidity 	2	Lecture Group work Discussion
4.	Introduction to complications of pregnancy, labour and postnatal <ul style="list-style-type: none"> ● Bangladesh Context ● State the World midwifery Report of Bangladesh ● Transport and access to care and hospitals Bangladesh 	2	Lecture Group work Discussion
5.	Review of Learning	2	Group Work
6.	Hypertension in Pregnancy <ul style="list-style-type: none"> ● Concept of Hypertension ● Different types of hypertension ● Classification of hypertension in pregnancy ● Drugs used for hypertension in pregnancy 	2	Lecture and Discussion
7.	Antenatal Conditions which impact on Maternal and newborn health well-being: Eclampsia Setting the Scene <ul style="list-style-type: none"> ● Eclampsia in Bangladesh ● Initiatives to educate people about Eclampsia 	2	Lecture Peer teaching
8.	Review of Learning	2	Group Work

9.	<p>Midwifery Practice</p> <p>WHO Foundation Module The Midwife in the community</p> <p>Session 1 Why did Mrs X Die</p> <p>Session 3 Commitment to Safe Motherhood</p>	2	Story Telling/Video/Group work
10.	<p>Midwifery Practice</p> <p>WHO Foundation Module The Midwife in the community</p> <p>Session 4 Walking where Mrs X walked</p>	2	Learning game Group work
11.	<p>Midwifery Practice</p> <p>WHO Foundation Module The Midwife in the community</p> <p>Session 5 The place and value of women</p>	2	Group work/Discussion
12.	<p>Review Learning of practice skill</p>	2	Lab
13.	<p>Midwifery Practice</p> <p>WHO Foundation Module The Midwife in the community</p> <p>Session 6 Advancing Safe Motherhood through human rights</p>	2	Modified Lecture Group Work Discussion
14.	<p>Midwifery Practice</p> <p>WHO Foundation Module The Midwife in the community</p> <p>Session 8 Recording, Referring and reducing risk (note they will not be able to do community visit but can call on own experience)</p>	2	Modified Lecture Group Work Discussion
15.	<p>Midwifery Practice</p> <p>WHO Foundation Module The Midwife in the community</p> <p>Session 9 Delay means death</p>	2	Modified Lecture Group Work Discussion
16.	<p>Midwifery Practice</p> <p>WHO Foundation Module The Midwife in the community</p> <p>Session 8 Recording, Referring and reducing risk conti.....</p> <p>(note they will not be able to do community visit but can call on own experience)</p>	2	Modified Lecture Group Work Discussion

17.	Review learning of practice	2	Lab
18.	Antenatal <ul style="list-style-type: none"> ● Risk factor during antenatal ● Identify risk mother 	2	Lecture Discussion
19.	Antenatal Managing Eclampsia (WHO Midwifery Module) <ul style="list-style-type: none"> ● Session 1 Understanding Eclampsia 	2	Lecture Group Work Discussion
20.	Antenatal Managing Eclampsia (WHO Midwifery Module) <ul style="list-style-type: none"> ● Session 2 Avoidable Factors 	2	Modified Lecture Group Work Discussion
21.	Antenatal Managing Eclampsia (WHO Midwifery Module) Session 3 Identifying the problem	2	Modified Lecture Group Work Discussion
22.	Antenatal Managing Eclampsia (WHO Midwifery Module) Session 3 Identifying the problem continued Clinical teaching	2	Modified Lecture Group Work Discussion
23.	Review of Learning	2	Group Work
24.	Antenatal Managing Eclampsia (WHO Midwifery Module) Session 4 Managing Eclampsia	2	Modified Lecture Group Work Discussion
25.	Antenatal Managing Eclampsia (WHO Midwifery Module) Session 5 Clinical skills Revision of skills <ul style="list-style-type: none"> ● Taking history/identifying risk and full clinical examination ● Venepuncture ● Explaining Risk 	2	Lab
26.	Antenatal Managing Eclampsia (WHO Midwifery Module) Session 5 Clinical skills new and revision <ul style="list-style-type: none"> ● Appropriate care for women when having eclamptic fit 	2	Lab

	<ul style="list-style-type: none"> Intravenous infusion 		
27.	Antenatal Managing Eclampsia (WHO Midwifery Module) Session 5 Clinical skills new and revision <ul style="list-style-type: none"> Catheterisation 	2	Lab
28.	Antenatal Managing Eclampsia (WHO Midwifery Module) Session 6 Case studies	2	Case studies Discussion Group Work
29.	Review of Learning	2	Group Work
30.	Antenatal Bleeding in Pregnancy <ul style="list-style-type: none"> Bleeding in pregnancy APH 	2	Lecture Discussion
31.	Antenatal Bleeding in Pregnancy continued <ul style="list-style-type: none"> Abruption Placenta Previa 	2	Lecture Discussion
32.	Antenatal Practice skills in lab <ul style="list-style-type: none"> Antenatal assessment of woman with bleeding /complications (formative OSCA) 	2	Lab
33.	Rh Isoimmunisation Anti D	2	Lecture Discussion
34.	Multiple Pregnancies	2	Lecture Discussion
35.	Midwifery Laboratory Practice <ul style="list-style-type: none"> Multiple Pregnancies 	2	Lab
36.	Review of Learning	2	Group Work
37.	Antenatal Gestational Diabetes <ul style="list-style-type: none"> Epidemiology – situation in Bangladesh Definitions Types of Diabetes and Pathophysiology 	2	Lecture Discussion
38.	Antenatal	2	Lecture Discussion

	<p>Gestational Diabetes</p> <ul style="list-style-type: none"> ● Risk Factors ● Screening (includes all tests and investigations) ● Management and Prevention 1st and 2nd Trimesters 		
39.	<p>Antenatal, Birth and Postpartum Care</p> <ul style="list-style-type: none"> ● Gestational Diabetes during 3rd Trimester, Birth and Postpartum 	2	Lecture Discussion
40.	<p>Antenatal, Birth and Postpartum Care</p> <p>Gestational Diabetes</p> <ul style="list-style-type: none"> ○ Types, risk factor, screening ○ Management 	2	Lecture Discussion
41.	<p>Antenatal Fetal wellbeing</p> <ul style="list-style-type: none"> ● Assessing fetal wellbeing ● Amniotic fluid ● Fetal movements ● Risk factors that can impact fetal growth ● What leads to fetal morbidity and mortality ● Hypoxia 		Lecture Group Work Discussion
42.	<p>Antenatal Fetal wellbeing</p> <ul style="list-style-type: none"> ● Decrease fetal movements ● Maternal Sleep position (sleeping on side) ● Tests and investigations for fetal wellbeing (listening to fetal heart, CTG, scans etc.) 	2	Lecture Discussion
43.	<p>Antenatal Fetal wellbeing</p> <ul style="list-style-type: none"> ● Decreased fetal movements and maternal sleep position. 	2	Lab Peer teaching
44.	<p>Antenatal Fetal wellbeing</p> <ul style="list-style-type: none"> ● SGA /IUGR ● Standardised fundal height measurements ● Risk factors ● Screening ● Care of women ● SGA Guideline (may be helpful) ● Customised Growth charts (if applicable) 	2	Lecture Discussion
45.	<p>Antenatal Fetal well being</p>	2	Lab

	Midwifery Laboratory Practice <ul style="list-style-type: none"> ● Measure fundus to ensure best measurement for fetal growth ● Standardised fundal height measurements 		
46.	Antenatal <ul style="list-style-type: none"> ● Stillbirth ● Reasons for risk factors ● Prevention ● Care of women and family 	2	Lecture Discussion
47.	Review learning	2	Group Work
48.	Labour and Birth Preterm Birth <ul style="list-style-type: none"> ● Global situation Preterm Birth ● Bangladesh situation ● WHO recommendations ● Management ● Prevention ● Collaborative Care ● How can Midwives make a difference 	2	Lecture Discussion
49.	Labour and Birth Preterm Birth Aetiology/problem Pathophysiology and Risk factors	2	Lecture, discussion
50.	Labour and Birth <ul style="list-style-type: none"> ● Preterm Birth ● Plan of care(including drugs used for management) ● Management ● Prevention 	2	Lecture Discussion
51.	Labour and Birth Preterm Premature Rupture of Membranes(PPROM) Premature Rupture of Membranes(PROM)	2	Lecture Discussion
52.	Review learning	2	Group Work
53.	Labour and Birth	2	Lecture

	<ul style="list-style-type: none"> ● Stillbirth ● Reasons for/risk factors ● Prevention ● Care of women and family 		Discussion
54.	<p>Labour</p> <p>Induction of Labour</p> <ul style="list-style-type: none"> ● Induction in Bangladesh including rates of induction and reasons for induction ● Indications for Inductions ● Methods of cervical ripening/Induction ● Roles and Responsibilities for Induction ● Bishops Score ● Risks of induction ● Care of Women being induced 	2	Lecture Group Work Discussion
55.	<p>Stillbirth</p> <p>Induction</p> <ul style="list-style-type: none"> ● Indications for another group ● Bishops Score 	2	Group work and Peer teaching
56.	<p>Labour</p> <ul style="list-style-type: none"> ● Augmentation of Labour ● Managing oxytocin infusion 	2	Modified Lecture Discussion
57.	Review of Learning	2	Lab
58.	<p>Labour</p> <ul style="list-style-type: none"> ● Assessing Fetal Wellbeing in labour ● Managing fetal distress 	2	Lecture Discussion
59.	<p>Labour</p> <ul style="list-style-type: none"> ● Malpresentation in Labour 	2	Lecture Discussion
60.	<p>Labour</p> <ul style="list-style-type: none"> ● Instrumental Delivery 	2	Modified Lecture Discussion
61.	Review of Learning	2	Group work
62.	<p>Labour</p> <p>WHO Midwifery Module Managing prolonged and obstructed labour</p> <p>Session 1 Understanding Prolonged and Obstructed Labour</p>	2	Modified Lecture Group Work Discussion
63.	<p>Labour</p> <p>WHO Midwifery Module Managing prolonged and obstructed labour</p> <p>Session 1 Understanding Prolonged and Obstructed Labour continued</p>	2	Modified Lecture Group Work Discussion

64.	<p>Labour</p> <p>WHO Midwifery Module Managing prolonged and obstructed labour</p> <p>Session 2 Avoidable Factors</p>	2	Modified Lecture Group Work Discussion
65.	<p>Labour</p> <p>WHO Midwifery Module Managing prolonged and obstructed labour</p> <p>Session 3 Identifying the Problem (just do Modified Lecture)</p>	2	Modified Lecture Group Work Discussion
66.	<p>Review of Learning</p>	2	Group work
67.	<p>Labour</p> <p>WHO Midwifery Module Managing prolonged and obstructed labour</p> <p>Session 4 Preventing Prolonged and Obstructed labour (review some clinical skills such as partograph) Divide this section up into four classes of 2 hours each</p>	2	Lecture Group Work Discussion
68.	<p>Labour</p> <p>WHO Midwifery Module Managing prolonged and obstructed labour</p> <p>Session 4 cont..... Preventing Prolonged and Obstructed labour (revisit some clinical skills such as partograph)</p>	2	Lecture Group Work Discussion
69.	<p>Labour</p> <p>WHO Midwifery Module Managing prolonged and obstructed labour</p> <p>Session 4 cont..... Preventing Prolonged and Obstructed labour (revisit some clinical skills such as partograph)</p>	2	Modified Lecture Group Work Discussion
70.	<p>Labour</p> <p>WHO Midwifery Module Managing prolonged and obstructed labour</p> <p>Session 4 cont..... Preventing Prolonged and Obstructed labour (revisit some clinical skills such as partograph)</p>	2	Modified Lecture Group Work Discussion
71.	<p>Labour</p> <p>WHO Midwifery Module Managing prolonged and obstructed labour</p> <p>Session 5 Managing Prolonged Labour</p>	2	Modified Lecture Group Work Discussion

72.	Labour WHO Midwifery Module Managing prolonged and obstructed labour Session 6 Managing Obstructed Labour	2	Modified Lecture Group Work Discussion
73.	Labour WHO Midwifery Module Managing prolonged and obstructed labour Session 6 cont..... Managing Obstructed Labour	2	Drama and Written exercise
74.	Review of Learning	2	Group Work
75.	Labour WHO Midwifery Module Managing prolonged and obstructed labour Session 7 Learning Clinical Skills (revisiting some skills)	2	Lab
76.	Review of Learning	2	Group work
77.	Labour WHO Midwifery Module Managing prolonged and obstructed labour Session 8 Vacuum Extraction	2	Lab
78.	Labour WHO Midwifery Module Managing prolonged and obstructed labour Session 9 Case studies	2	Case Studies/ discussion/group work/feedback
79.	Prolonged and obstructed labour <ul style="list-style-type: none"> ● Fistula (VVF, RVF) ● Causes/Incidences ● Recognition ● Prevention ● Care of woman with Fistula 	2	Lecture/ Group work/Feedback and Discussion
80.	Assessment and management of prolonged and obstructed labour <ul style="list-style-type: none"> ● Formative OSCA 	2	Lab
81.	Labour Managing postpartum haemorrhage <ul style="list-style-type: none"> ● Misoprostol for PPH 	2	Lecture/ Group work/Feedback and Discussion

82.	<ul style="list-style-type: none"> High vaginal and cervical tears (WHO Midwifery Module Managing postpartum haemorrhage Session 8) only teach what is appropriate for Midwifery students Haematoma 	2	Lecture/ Group work/Feedback and Discussion
83.	<p>Labour</p> <p>Revisit WHO Midwifery Module Managing postpartum haemorrhage (most of this covered in Art and Science)</p> <ul style="list-style-type: none"> Session 10 Case Studies 	2	Case Studies/discussion /group work/feedback
84.	<p>Labour</p> <p>Revisit WHO Midwifery Module Managing postpartum haemorrhage</p> <ul style="list-style-type: none"> Session 11 do you know? 	2	Learning Game
85.	Review of Learning	2	Group work
86.	<p>Labour</p> <ul style="list-style-type: none"> Managing labour with scarred over distended uterus Precipitate labour Grand multiparas 	2	Lecture/ Group work/Feedback and Discussion
87.	Management of PPH (formative OSCA)	2	Lab
88.	<p>Bleeding disorders</p> <p>Alteration in hematologic function:</p> <p>Bleeding disorders</p> <ul style="list-style-type: none"> Hyper coagulation Disseminated Intravascular Coagulation(DIC) 	2	Lecture/ Group work/Feedback and Discussion
89.	<p>Midwifery practice knowledge and skills teaching</p> <p>Shock</p> <ul style="list-style-type: none"> Hypovolemic shock Neurological shock 	2	Lecture/ Group work/Feedback and Discussion
90.	<p>Shock</p> <ul style="list-style-type: none"> Endocrine shock Septic shock 	2	Lecture/ Group work/Feedback and Discussion
91.	<p>Midwifery Laboratory Practice</p> <ul style="list-style-type: none"> Shock scenarios in Lab 	2	Lab

92.	Midwifery Laboratory Practice ● Shock scenarios in Lab	2	Lab
93.	Review of Learning	2	Group
94.	Midwifery Laboratory Practice ● Review Suturing	2	Lab
95.	Obstetric emergencies ● Understand the process and importance of Emergency Obstetric Care (EmOC) ● What is EmOC ● Indicators	2	Lecture/ Group work/Feedback and Discussion
96.	Midwifery Practice skills teaching ● Undiagnosed breech	2	Lecture/ Group work/Feedback and Discussion
97.	Midwifery Laboratory Practice ● Undiagnosed breech	2	Lab
98.	Midwifery Practice skills teaching ● Uterine prolapse ● Uterine rupture	2	Lecture/ /Feedback and Discussion
99.	Midwifery Laboratory Practice ● Uterine prolapse ● Uterine rupture (including maternal resuscitation)	2	Lab
100.	Midwifery Practice skills teaching ● Shoulder dystocia	2	Lecture/ Feedback and Discussion
101.	Midwifery Laboratory Practice ● Shoulder dystocia	2	Lab

102.	Midwifery Practice skills teaching ● Cord Prolapse	2	Lecture/Feedback and Discussion
103.	Midwifery Laboratory Practice ● Cord Prolapse	2	Lab
104.	Review of learning	2	Lab
105.	Midwifery Laboratory Practice Formative OSCA ● Eclamptic Fit	2	Lab
106.	Midwifery Laboratory Practice Formative OSCA ● Undiagnosed Breech	2	Lab
107.	Midwifery Laboratory Practice Formative OSCA ● Shoulder dystocia	2	Lab
108.	Review of Learning	2	Lab
109.	Midwifery Practice skills teaching Revisit ● Intravenous drug administration ● Blood transfusion	2	Lecture/ Group work/Feedback and Discussion
110.	Midwifery Laboratory Practice ● Intravenous drug administration ● Blood transfusion	2	Lab
111.	Midwifery Laboratory Practice Formative OSCA ● Cord Prolapse	2	Lab
112.	Midwifery Laboratory Practice Formative OSCA ● PPH	2	Lab
113.	Midwifery Practice skills teaching ● Caring for the sick woman ● The roles and responsibility of a midwife ● Holistic care of the sick woman including the family	2	Lecture Feedback and Discussion
114.	Review of Learning	2	Group work
115.	Postnatal	2	Lecture/ Feedback and Discussion

	<p>Midwifery assessment skills in postnatal period- recognition of deviation from normal</p> <ul style="list-style-type: none"> ● Review Assessing maternal well-being ● Full Postnatal check focusing on deviations from Normal ● Incontinence Postnatal 		
116.	<p>Postnatal</p> <ul style="list-style-type: none"> ● Pain postnatally – what is physiological and what is pathological ● Lochia – what is abnormal blood loss ● Persistent Vaginal bleeding post-partum 	2	Lecture/ Feedback and Discussion
117.	<p>Postnatal Breastfeeding</p> <ul style="list-style-type: none"> ● Complications of breastfeeding ● Lactation problems ● Supporting Breastfeeding Initiation and Establishment 	2	Lecture/ Group work/Feedback and Discussion
118.	<p>Postnatal Breastfeeding</p> <ul style="list-style-type: none"> ● Mastitis 	2	Lecture/ Group work/Feedback and Discussion
119.	Review of Learning	2	Group Work
120.	<p>Postnatal</p> <ul style="list-style-type: none"> ● Psychological and emotional well-being postnatally ● How to recognise mental health issues/concerns 	2	Lecture/ Group work/Feedback and Discussion
121.	<p>Postnatal New born</p> <ul style="list-style-type: none"> ● Recognising the unwell baby. ● Midwifery assessment of baby 	2	Lecture/ Group work/Feedback and Discussion
122.	<p>Postnatal New born</p> <ul style="list-style-type: none"> ● Respiratory distress in Newborns ● Meconium Aspiration Syndrome 	2	Lecture/ Group work/Feedback and Discussion
123.	Review of Learning	2	Group work

124.	Postnatal New born Midwifery Practice skills teaching <ul style="list-style-type: none"> ● Helping Babies Breath The Golden Minute ● Focusing on Continued ventilation with normal or slow heart beat 	2	Lecture/ Group work/Feedback and Discussion
125.	Postnatal New born Midwifery Laboratory Practice <ul style="list-style-type: none"> ● Helping Babies Breath The Golden Minute 	2	Lab
126.	Postnatal New born Midwifery Laboratory Practice <ul style="list-style-type: none"> ● Focusing on Continued ventilation with normal or slow heart beat 	2	Lab
127.	Review of Learning	2	Lab
128.	Postnatal Newborn <ul style="list-style-type: none"> ● Introduction to SGA/IUGR/LGA 	2	Lecture/ Group work/Feedback and Discussion
129.	Caesarean section <ul style="list-style-type: none"> ● Procedure ● Elective ● Emergency ● Indications for caesarean section ● The evidence around caesarean section and outcomes ● Risks of Caesarean section 	2	Lecture/ Group work/Feedback and Discussion
130.	Vaginal Birth after Caesarean (VBAC)	2	Lecture/ Group work/Feedback and Discussion
131.	Review of Learning	2	Group Work
132.	Peri operative continuum Pre-Operative <ul style="list-style-type: none"> ● Pre-operative care ● Preparing a woman for theatre ● Pre-operative checklist 	2	Lecture/ Group work/Feedback and Discussion

133.	<p>Peri operative continuum</p> <p>Intra Operative</p> <ul style="list-style-type: none"> ● Handover in theatre ● Surgical Asepsis (a refresher) ● Procedures in operating theatre e.g. receiving the woman into theatre handover to theatre staff. ● Equipment in theatre ● Nurses responsibility in operating theatre including scrub nurses ● Midwives responsibility in operating theatre 	2	Lecture/ Group work/Feedback and Discussion
134.	Review of Learning	2	Lab
135.	<p>Peri operative continuum</p> <p>Post-Operative</p> <ul style="list-style-type: none"> ● Post-surgical care/post caesarean section care ● Post-operative pain relief ● Establishing Breastfeeding post caesarean section 	2	Lecture/ Group work/Feedback and Discussion
136.	<p>Peri operative continuum</p> <ul style="list-style-type: none"> ● General Anaesthesia ● Epidural ● Spinal block 	2	Lecture/ Group work/Feedback and Discussion
137.	<p>Peri operative continuum</p> <ul style="list-style-type: none"> ● Complications of General Anaesthesia 	2	Lecture/ Group work/Feedback and Discussion
138.	<p>Peri operative continuum</p> <ul style="list-style-type: none"> ● Complications of Epidural and Spinal 	2	Lecture/ Group work/Feedback and Discussion
139.	Review of Learning	2	Group work
140.	<p>Peri operative continuum</p> <ul style="list-style-type: none"> ● Amniotic embolism (both in pregnancy and in labour) 	2	Lecture/ Group work/Feedback and Discussion
141.	<p>Peri operative continuum</p> <p>Post-operative complications</p> <ul style="list-style-type: none"> ● Wound care ● Wound healing 	2	Lecture/ Group work/Feedback and Discussion
142.	Review Learning of practice skill	2	Lab
143.	Review Learning of practice skill	2	Lab

Course Title: DM225 Midwifery Practice II

Classroom Study Hours: 0

Laboratory Practice Hours: 0

Practice Hours: 200

Course Description

This course develops midwifery practice in assessment, management and referral of women with medical conditions and complications as well as complex psychological, socio-economic and environmental factors, which impact on pregnancy and general health

Course Objectives

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

1. Demonstrate confident and competent application of the principles of midwifery professionalism in complex and diverse midwifery practice.
2. Demonstrate effective, appropriate and professional leadership when working with women and their families in complex situations.
3. Demonstrate partnership and effective communication skills in complicated and complex situations
4. Integrate a comprehensive, current evidence based midwifery knowledge that is constantly developing using multiple ways of knowing that have become integrated into practice.
5. Demonstrate critical thinking that enables safe, effective and collaborative care.
6. Demonstrate autonomous, complex, decision-making that maintains the integrity of partnerships to provide safe and effective midwifery care in complicated, complex and diverse situations

7. Demonstrate ability to show leadership when the maternity experience is complicated or there are emergencies

Pillars (Standards) of Practice

Professionalism and Leadership

Confident and competent application of principles of professionalism to practice

Advocacy in complex and complicated situations

Professional interaction and communication with women and colleagues in complex and diverse practice settings

Partnership

Effective partnerships in a complex context

Informed choice in context and diverse contexts

Explores the tensions that can exist in partnerships

Knowledge

Integration of knowledge and practice

Analysis of knowledge in practice

Application of evidence and research

Critical Thinking

Sound and effective Critical thinking demonstrated in practice

Critical application of information/evidence

Exploring and critiquing different approaches and information about complex and complicated situations

Giving and receiving feedback

Competence

Competent and confident midwifery skills in complicated, complex and emergency situations

Competent and confident identification and response to changes in complicated, complex and emergency situations

Decision Making

Confidently demonstrating decision making skills in complex situations

Exploring the decisions made in complex situation through practice discussion

Course Requirements

1. Reflective learning journal
2. Progress logs
3. Feedback from women and midwives
4. Clinical skills checklist

Course Assessments

- Examination

Practice Portfolio

- Practice Exemplars
- Reflective learning journal
- Progress logs
- Feedback from women and midwives
- Clinical skills checklist
- Case presentation

YEAR THREE

मुद्रण पूर्ववर्ती कपि

Course Title: DM 331 Newborn Complications**Classroom Study Hours: 180****Laboratory Practice Hours: 48****Practice Hours: 192****Course Description**

This course develops knowledge and understanding about common complications and medical conditions of the newborn along with practical skills required for caring for the newborn with problems. Assessment, management and appropriate referral of the unwell newborn are also taught. Clinical issues associated with unwell babies and the impact on the family is also explored.

Course Goal

On completion of the course the students will demonstrate in-depth knowledge and proficient skills related to care, assessment, management and appropriate referral of the unwell newborn.

Course Objectives

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

1. Analyse newborn “risk” and “risk” assessment
2. Explain the physiology/pathophysiology of specific complications and relate it to planning care
3. Participate in care of neonates who require special care
4. Expand knowledge and skills to protect, promote and support breastfeeding when neonates require special care
5. Discuss the longer term implications of the newborn with problems
6. Apply assessment skills to recognise neonates with problems
7. Demonstrate midwifery skills for neonates who require special care
8. Apply current research to neonatal conditions and to midwifery practice
9. Reflect on and analyse the care neonates and their families receive in special needs circumstances

Course Requirements

- Attend classroom study 80%
- Participate in learning activities
- Demonstrate competence in named practice skills (nasogastric feeding, oxygen, suction)

Teaching Learning Activities

- Lectures
- Discussion
- Group work
- Laboratory

Course Assessments

Theory

1. Group presentations on scenarios of newborns with problems
2. Mid-year Summative Exam
3. Final Summative Exam

Clinical

1. Clinical Assessment of neonate with complexity/complications
2. OSCA Essential Care for labour and Essential Care for Labour and Birth and HBB

Course Outline: DM331 Newborn Complications

The Unwell Newborn (180/48/192)

Lesson	Topic	Hours	Learning and Teaching activities
1.	Introduction to the course Newborn Complications and Introduction to newborn who is at risk	2	Lecture, Discussion, Group Work
2.	Newborn and risk The meaning of the newborn at "risk"	2	Lecture, Discussion, Group Work
3.	Assessment skills required to assess newborn at risk	2	Lecture, Discussion, Group Work
4.	Revision of Learning	4	Group Work

5.	Assessment of Gestational age of a newborn	2	Lecture, Discussion,
6.	Examination of the unwell newborn	2	Lecture, Discussion, Group work
7.	Revision of Learning	4	Group Work
8.	Examination and assessment of newborn with complications	8	LAB
9.	Neonatal Hypoglycaemia	2	Lecture, Discussion, Group work
10.	Revision of Learning hypoglycaemia	2	Group Work
11.	Assessment of neonatal hypoglycaemia, blood glucose testing	8	LAB
12.	Convulsions in the newborn <ul style="list-style-type: none"> ● Difference between jitteriness and neonatal convulsions ● Causes of neonatal convulsions ● Clinical presentation ● Clinical diagnosis 	2	Lecture, Discussion, Group work
13.	Convulsions in the newborn <ul style="list-style-type: none"> ● Investigations ● Management 	2	Lecture, Discussion, Group work
14.	Convulsions in the newborn <ul style="list-style-type: none"> ● Anticonvulsant drugs 	2	Lecture, Discussion, Group work
15.	Revision of Learning Convulsions	4	Group Work
16.	Fetal circulation revision	2	Lecture, Discussion, Group work
17.	Transition to extra uterine life	2	Lecture, Discussion, Group work
18.	Revision of Learning fetal circulation and transition to extra uterine life	4	Group Work
19.	Cardiac conditions of the newborn <ul style="list-style-type: none"> ● Congenital heart disease ● Classification of Congenital heart disease, Acyanotic, Cyanotic ● Effects of Congenital heart Disease 	2	Lecture, Discussion, Group work
20.	Cardiac conditions of the newborn Common defects <ul style="list-style-type: none"> ● Patent Ductus Arterios ● Arterial Septal Defect ● Ventricular Septal Defect ● 	2	Lecture, Discussion, Group work
21.	Cardiac conditions of the newborn Common defects	2	Lecture, Discussion, Group work

	<ul style="list-style-type: none"> ● Tetralogy of Fallot ● Arterial and Pulmonary Stenosis ● Transposition of the Great Arteries 		
22.	Revision of Learning cardiac conditions	4	Group Work
23.	Respiratory conditions of the newborn Revise <ul style="list-style-type: none"> ● Pathogenesis of Respiratory Distress in the Infant ● Respiratory Distress Syndrome ● Meconium Aspiration syndrome 	2	Lecture, Discussion, Group work
24.	Respiratory conditions of the newborn Revise New conditions <ul style="list-style-type: none"> ● Transient Tachynopea of Newborn ● Pneumothorax 	2	Lecture, Discussion, Group work
25.	Revision of Learning respiratory conditions of the newborn	4	Group Work
26.	Fetal growth restriction / Small for Gestational Age Babies/ Low birth weight babies <ul style="list-style-type: none"> ● Definition of Low birth weight babies ● Types of Low birth weight ● Associated morbidity and mortality with low birth weight 	2	Lecture, Discussion, Group work
27.	Fetal growth restriction / Small for Gestational Age Babies/ Low birth weight babies <ul style="list-style-type: none"> ● Problems associated with Low birth weight ● Management of Low birth weight babies ● Indications for hospitalisation 	2	Lecture, Discussion, Group work
28.	Revision of Learning Fetal growth restriction / Small for Gestational Age Babies/ Low birth weight babies	4	Group Work
29.	Preterm babies <ul style="list-style-type: none"> ● Definition of Preterm ● Who is at risk of preterm ● Features of Pre term babies ● Estimating gestation the Ballard score ● Common complications of preterm 	2	Lecture, Discussion, Group work
30.	Preterm babies <ul style="list-style-type: none"> ● Major complications for New born Persistent Ductus Arterious (PDA), Intraventricular Haemorrhage, Infections, Necrotizing Enterocolitis/Retinopathy of prematurity/Apnoea and Bradycardia/ Anaemia 	2	Lecture, Discussion, Group work
31.	Common problems for preterm babies <ul style="list-style-type: none"> ● Heat control/cold stress/preventing hypothermia ● Maintaining temperature at home/hospital 	2	Lecture, Discussion, Group work

	<ul style="list-style-type: none"> ● Hypoglycaemia/symptoms/treatment 		
32.	Preterm babies – lung development <ul style="list-style-type: none"> ● Lung development ● Management and ongoing care 	2	Lecture, Discussion,
33.	Midwifery assessment and management of preterm babies	2	Lecture, Discussion
34.	Revision of Learning preterm babies	2	Group Work
35.	LAB Care of preterm babies <ul style="list-style-type: none"> ● Midwifery role in the care of the neonate with special needs including kangaroo care ● Understanding the technology required when caring for a newborn with problems. ● Checklist for monitoring sick young infant (Essential New born care) ● Transportation of unwell newborn 	8	LAB
36.	Revision mid-term exam	4	Self/Own study
37.	Large for Gestational Age Babies <ul style="list-style-type: none"> ● Definition of LGA ● Pathophysiology of LGA in relation to maternal diabetes 	2	Lecture, Discussion, Group work
38.	Large for Gestational Age Babies <ul style="list-style-type: none"> ● Problems associated with LGA babies, pregnancy, labour, postnatal ● Management of LGA clinical problems 	2	Lecture, Discussion, Group work
39.	Small for Gestational Age Babies <ul style="list-style-type: none"> ● Definition SGAs ● Difference between SGA and IUGR and fetal growth restriction 	2	Lecture, Discussion, Group work
40.	Small for Gestational Age Babies <ul style="list-style-type: none"> ● Difference between symmetrical and asymmetrical growth ● How do you differentiate preterm and SGA 	2	Lecture, Discussion, Group work
41.	Revision of Learning Large for Gestational Age Babies	4	Group Work
42.	Infections of the Newborn How acquired, Treatment, signs and symptoms in newborn and treatment <ul style="list-style-type: none"> ● Group B strep ● Toxoplasmosis ● Rubella ● Cytomegalovirus 	2	Lecture, Discussion,
43.	Infections of the Newborn How acquired, Treatment, signs and symptoms in newborn and treatment	2	Lecture and Discussion

	<ul style="list-style-type: none"> ● Herpes Simplex ● Varicella Zoster ● Listeria ● Gonorrhoea ● Chlamydia ● HIV ● Syphilis 		
44.	Infections of the Newborn How acquired, Treatment, signs and symptoms in newborn and treatment <ul style="list-style-type: none"> ● Tetanus ● Hepatitis B and C ● Meningitis 	2	Lecture, Discussion, Group work
45.	Midwifery assessment and management of newborn infections: <ul style="list-style-type: none"> ● Neonatal sepsis detection, management referral ● Local bacterial infections 	2	Lecture, Discussion, Group work
46.	Revision of Learning new born infections and midwifery management	4	Group Work
47.	Neonatal jaundice <ul style="list-style-type: none"> ● Jaundice of the newborn physiological and pathological ● Jaundice of the newborn Assessment 	2	Lecture, Discussion, Group work
48.	Neonatal jaundice <ul style="list-style-type: none"> ● Jaundice – phototherapy Jaundice referral and complications	2	Lecture, Discussion, Group work
49.	Revision of Learning neonatal jaundice	4	Group Work
50.	Congenital anomalies Knowledge, Recognition, Midwifery management <ul style="list-style-type: none"> ● Cleft lip and Palate ● Dysplasia of Hip ● Neural tube Defects ● Undescended Testes ● Inguinal/Umbilical hernia 	2	Lecture, Discussion, Group work
51.	Congenital anomalies Knowledge, Recognition, Midwifery management <ul style="list-style-type: none"> ● Talipes ● Hydrocele ● Pyloric Stenosis ● Hypospadiasis ● Diaphragmatic hernia ● Syndactyly/Polydactyly Imperforate Anus	2	Lecture, Discussion, Group work
52.	Congenital anomalies Knowledge, Recognition, Midwifery management	2	Lecture, Discussion, Group work

	<ul style="list-style-type: none"> ● Oesophageal Atresia ● Exomphalos ● Gastroschisis ● Down syndrome ● Klinefelter's Syndrome ● Turners Syndrome ● Edwards Syndrome 		
53.	Revision of Learning Congenital anomalies	4	Group Work
54.	Metabolic conditions of the new born <ul style="list-style-type: none"> ● Guthrie Tests ● Phenylketonuria (PKU) ● Congenital hypothyroidism ● Galactosemia ● Cystic Fibrosis ● Others 	2	Lecture and Discussion
55.	Revision of Learning Congenital anomalies	2	Group Work
56.	Congenital anomalies Group assignment work – Work on Group presentations on scenarios of newborns with problems	6	Group Work, Group presentation
57.	Inserting a nasogastric tube, and nasogastric feeding	2	Lecture and Discussion
58.	Suctioning, Oxygen therapy	2	Lecture and Discussion
59.	Revision of Learning	2	Group presentation
60.	Practice skills <ul style="list-style-type: none"> ● Inserting a nasogastric tube, and nasogastric feeding 	8	LAB
61.	<ul style="list-style-type: none"> ● Practising named competence skills e.g. suction, oxygen, 	8	LAB
62.	<ul style="list-style-type: none"> ● Examination and assessment of unwell newborn 	8	LAB
63.	Infant feeding and breastfeeding in complex situations <ul style="list-style-type: none"> ● Breastfeeding babies with special needs ● Expressing/handling and storing breast milk 	2	Lecture and Discussion, Group work
64.	Immunization	2	Lecture and Discussion, Group work
65.	Special considerations (Stillbirth, neonatal death)	2	Lecture and Discussion, Group work

66.	Longer term effects of newborn interventions and illness Counselling and support for parents of unwell newborn	2	Lecture and Discussion, Group work
67.	Group assignment work – Work on Group presentations on scenarios of newborns with problems	8	Discussion, Group work and presentation
68.	Review of learning and exam preparation	4	Self/Own study
69.	Review of learning and exam preparation	4	Self/Own study

Course Title: DM332 Complexities of maternity experience

Classroom Study Hours: 180

Laboratory Practice Hours: 60

Practice Hours: 336

Course Description

Complications of childbirth experience are explored further along with complex issues related to women's social, environmental and psychological health including maternal mental health and ill health. The dilemmas and challenges of childbirth are explored from a national and international perspective. Ethical issues are explored and debated. This course will integrate and begin to consolidate the midwifery knowledge and skills that have been learnt in the programme. During this course the student will demonstrate beginning ability to practice autonomously across the scope of practice and begin to demonstrate the practice pillars (standards) at a level to meet the Bangladesh and International Confederation of Midwives (ICM) competencies for practice

Course Goal for theory

In this course the students will explore and demonstrate understanding of complex issues related to women's social, environmental and psychological health, including maternal mental health and ill-health.

Course Goal for practice

Students will integrate and begin to consolidate midwifery knowledge and skills and practice autonomously across the scope of midwifery practice

Course Objectives for theory**Upon completion of the course the student will be able to:**

1. Identify when women and families are in complex physical, social, environmental and psychological situations.
2. Demonstrate understanding in regard to maternal mental health issues
3. Demonstrate knowledge about psychopathology that may effect women in childbearing years
4. Examine the effects of pregnancy or neonatal loss; maternal and perinatal mortality on women and families and on midwifery practice.
5. Demonstrate an understanding of global trends in childbirth and explore the Bangladesh context.
6. Demonstrate understanding of gender and gender issues that impact of the health of women and new-borns
7. Analyse ethical concepts that inform and underpin midwifery practice.

Course Objectives for practice**Upon completion of the course the student will be able to:**

1. Demonstrate ability to appropriately inform, educate and refer in a professional manner.
2. Demonstrate leadership across the scope of midwifery practice advocating where appropriate for women
3. Demonstrate working in partnership with women and her family across the scope of midwifery practice
4. Demonstrate accountability to women and other health professionals the midwifery profession and the midwifery programme
5. Demonstrate effective communication skills when working with women throughout the childbirth continuum.

6. Consolidate practice that integrates a comprehensive and safe midwifery knowledge base including application of evidenced based knowledge.

Pillars (Standards) of Practice

Professionalism

Applies principles of partnership, throughout the uncomplicated maternity experience

Effective and professional communication skills (written and oral)

Partnership

Plans and provides midwifery care in partnership with women recognising the complexities of partnership throughout the maternity experience.

Knowledge

Integrates knowledge and skills of normal antenatal, intrapartum and postpartum periods into own midwifery practice.

Integrates different ways of knowing into own practice and readily articulate evidence and research that informs practice

Critical Thinking.

Applies current research to practice and learns to articulate and document rationale for decisions made in practice.

Competence

Competently and confidently cares for women and baby in normal pregnancy, labour and birth and the puerperium.

Decision Making

Integration of midwifery Decision-making skills into own practice

Recognises ethical, cultural and social influences on the decision making process

Course Requirements for theory

- a) Attend classroom study 80%
- b) Attend compulsory workshops

Course Requirements for practice

- a) Reflective learning journal
- b) Progress logs

- c) Feedback from women and midwives
- d) Clinical skills checklist

Teaching Learning Activities for theory

Educational methods include narratives, lectures, workshops, discussions, and self-directed learning. Guest lecturers are invited as experts in their field of practice to stimulate discussion and desire for further learning and development.

Teaching Learning Activities for practice

Educational methods include 336 hours of clinical practice where the student will be taught by the midwife with whom she is working, the doctors with whom she is collaborating and her midwifery lecturer who will regularly meet with the student and discuss with the student her progress.

Course Assessments for theory

Term and Final Exam

Viva Voce

Written Assignment

Group Poster Presentation

Course Assessments for practice

Practicum: Clinical assessment, Log Book, Practice Portfolio and Practice Exemplars, Peri operative continuum clinical exercise

OSCA: Complications- ANC assessment and management (GDM, HTN) #3

OSCA: Complicated PNC Assessment #3,4

OSCA: Complications- IP assessment and management (foetal distress, assisted delivery, TIUP, preterm) #3

OSCA: Complications- ANC assessment and management. (GDM, HTN) #4

OSCA: Complications: IP assessment and management (foetal distress, assisted delivery, TIUP, preterm) #4

OSCA: OB Emergency- Prolonged/obstructed labour #3& #4

OSCA: OB Emergency- Bleeding after birth (PPH) #5& #6

OSCA: OB Emergency-HMS- Pre/eclampsia #3& #4

OSCA: OB Emergency- Shoulder dystocia #3& #4

OSCA: OB Emergency- Cord prolapse #3 & #4

OSCA: OB Emergency- Breech #3 & #4

OSCA: OB Emergency- Helping babies breathe (HBB) #5

OSCA: Final Exam- tested on any 5 OSCAs (3 must be emergencies)

OSCA: Complicated: VIA #2

OSCA: Complicated: IUD insertion #2

OSCA: Complicated: GBV/CMR #2

OSCA: Complicated: STI #2

Course and Content Outline: DM332 Complexities of the maternity experience

Lesson	Topic	Hours	Learning and Teaching activities
1.	Introduction to Complexities of the maternity experience How do we define complexity?	2	Lecture, Discussion, Group work
2.	Socio-economic and cultural determinants of health <ul style="list-style-type: none"> ● Impact of social, cultural, economic factors on the maternity experience ● Trends in childbirth including the Bangladesh context (e.g. rising rates of intervention and caesarean births, maternal and neonatal mortality rates) 	2	Lecture, Discussion, Group work
3.	Revision of learning and group work	4	Group Work
4.	Introduction to women's mental health and wellbeing	2	Lecture, Discussion, Group Work
5.	Midwife, Women, Pregnancy, Childbirth and Mental Health	2	Lecture, Discussion and Group Work
6.	Psychological and emotional assessment of women Understanding psychological changes during Pregnancy and antenatal period	2	Lecture, Discussion and Group Work
7.	Psychological and emotional assessment of women Psychological and emotional assessment of women including the impact of the socio economic and environment context	2	Lecture, Discussion and Group Work

8.	Postnatal depression and anxiety in Bangladesh Post traumatic stress disorder (includes Edinburgh PND score in Bangla)	2	Lecture, Discussion and Group Work
9.	Psychopathology: ● Depression, ● Schizophrenia	2	Lecture, Discussion and Group work
10.	Psychopathology: ● Bi-polar disorder, ● Psychosis ● Postnatal Psychosis	2	Lecture, Discussion and Group work
11.	Revision of Learning Maternal mental health	4	Group Work
12.	Improving Women's Mental Health	2	Lecture, Discussion, Group work
13.	Mental health myths and facts in Bangladesh	2	Lecture, Discussion and Group Work
14.	Therapies for mental health and psychological problems	2	Lecture, Discussion, Group work
15.	Revision of Learning	4	Discussion, Group work
16.	Mental Health Services in Bangladesh ● Manage of emerging situation during child birth	2	Lecture, Discussion, Group work
17.	Revision of Learning Maternal mental health	4	Group Work
18.	Start working on Group poster presentation	8	Group Work and presentation
19.	Human Rights ● Code of Human Rights ● Values in relation to Human Rights ● National and International initiatives in relation to Human rights	2	Lecture, Discussion, Group work
20.	Revision of Learning Human rights scenarios	4	Group Work
21.	Midwifery and women from diverse backgrounds (different ethnicities, cultures, religions, sexuality)	2	Lecture, Discussion and Group Work
22.	Quiz	2	Question and Answering
23.	Social issues and Health inequalities and inequities ● Sexual abuse	2	Lecture, Discussion, Group work

24.	Social issues and Health inequalities and inequities <ul style="list-style-type: none"> ● Substance abuse ● Other significant social issues 	2	Lecture, Discussion, Group work
25.	Revision of Learning diversity and social issues	4	Group Work
26.	Work on Group for Poster Presentation	6	Group Work
27.	OSCA: Complications- ANC assessment and management (GDM, HTN)	8	LAB
28.	OSCA: Complicated PNC Assessment	8	LAB
29.	Ethics <ul style="list-style-type: none"> ● Introduction to Ethics ● Ethical theories and principles ● Four principle approach to health care ethics, autonomy, beneficence, maleficence and justice 	2	Lecture, Discussion, Group work
30.	Ethics <ul style="list-style-type: none"> ● ICM International Code of ethics ● Bangladesh Nursing and Midwifery Council code of ethics ● How to use these codes of ethics 	2	Lecture, Discussion, Group work
31.	Quiz / work on written assignment	2	Group Work
32.	Assignment Presentation	4	Group work presentation
33.	Ethical dilemmas	2	Lecture, Discussion
34.	Ethical dilemmas – group work with scenarios	2	Group Work
35.	Ethical dilemmas – group work with scenarios	4	Group work presentation
36.	Health inequalities and inequities	2	Lecture and Discussion
37.	Revision of learning - Health inequalities and inequities	4	Group Work
38.	Regulatory, professional and Legal systems in Bangladesh which relate to Midwifery <ul style="list-style-type: none"> ● Protocols and Guidelines ● Policy documents and development 	2	Lecture, Discussion, Group work
39.	Regulatory, professional and Legal systems in Bangladesh which relate to Midwifery <ul style="list-style-type: none"> ● Midwifery Act 	2	Lecture, Discussion, Group work
40.	Professional misconduct	2	Lecture, Discussion

	<ul style="list-style-type: none"> ● Informed consent ● Record keeping and documentation build on Communication 		
41.	Start work on written assignment	4	Self/own study
42.	OSCA: OB Emergency- Shoulder dystocia OSCA: OB Emergency- Cord prolapse OSCA: OB Emergency- Breech	6	LAB
43.	OSCA: Complications: IP assessment and management (foetal distress, assisted delivery, TIUP, preterm) OSCA: OB Emergency- Prolonged/obstructed labour	4	
44.	Gender based violence workshop	4	Lecture, Discussion
45.	Group work for Gender based violence and sexual reproductive health	4	Group Work and presentation
46.	GBV and sexual reproductive health	4	Group Work and presentation
47.	Loss and Grief <ul style="list-style-type: none"> ● Mid, late pregnancy stillbirth and neonatal loss ● Loss and Grief 	2	Lecture and Discussion
48.	Loss and Grief <ul style="list-style-type: none"> ● Midwifery Skills in relation to loss and grief ● Effects of Maternal and perinatal mortality on communities and the health and wellbeing of women (who have had miscarriage/stillbirth, or their newborn has died) and families 	2	Lecture and Discussion
49.	Revision of Learning loss and grief	4	Group Work
50.	Difficult situations and conflict resolution <ul style="list-style-type: none"> ● Skills for working and communicating effectively in difficult situations 	2	Lecture, Discussion, Group work
51.	Group work on Difficult situations and conflict resolution	4	Group work Presentation
52.	Minimum Initial Service Package (MISP) <ul style="list-style-type: none"> ● MISP and Purpose for developing MISP module ● Sexual Violence and importance to prevent sexual violence ● Situation at risk for sexual violence and monitoring systems of sexual violence 	2	Lecture and Discussion

53.	MISP Workshop (Minimum Initial Service Package (MISP)) <ul style="list-style-type: none"> HIV and factors associated with spread of HIV in displaced situations Universal precaution and importance of universal precautions in displaced situation 	2	Lecture and Discussion
54.	Work on Group poster presentation	4	Group Work and Presentation
55.	Minimum Initial Service Package (MISP) <ul style="list-style-type: none"> Group work for Workshop and presentation 	8	Group Work and Presentation
56.	Midwifery care and disaster <ul style="list-style-type: none"> What is disaster management approach? Type of disaster Characteristics of disaster 	2	Lecture and Discussion
57.	Midwifery care and disaster <ul style="list-style-type: none"> Phase of disaster Principle of disaster management Disaster management approach 	2	Lecture and Discussion
58.	Midwifery care and disaster <ul style="list-style-type: none"> Role of Midwife in disaster preparedness 	2	Lecture and Discussion
59.	Midwifery care and disaster	6	Group Work
60.	OSCA: OB Emergency-HMS- Pre/eclampsia	6	LAB
61.	OSCA: OB Emergency- Bleeding after birth (PPH)	6	LAB
62.	Clinical Management of Rape (CMR)	2	Lecture and discussion
63.	Clinical Management of Rape (CMR) Protocol	2	Lecture and discussion
64.	Review Lesson of Post Partum Family Planning (PPIUD)	2	Lecture and discussion
65.	Review Lesson of Post Partum Family Planning (PPIUD)	2	Group Work
66.	Complicated VIA	2	Lecture and Discussion
67.	Complicated VIA	2	Group Work
68.	Review Lesson CMR, PPIUD, VIA	4	Lecture Discussion and Group Work
69.	Complicated STI	2	Lecture and Discussion, Group Work

70.	OSCA: Complicated: VIA OSCA: Complicated: IUD insertion	4	LAB
71.	OSCA: Complicated: GBV/CMR OSCA: Complicated STI	4	
72.	OSCA: OB Emergency- Helping babies breathe (HBB)	4	LAB
73.	OSCA: Final Exam- tested on any 5 OSCAs (3 must be emergencies)	6	LAB
74.	OSCA: VIVA VOCE practice for final exam	4	

Course Title: DM 333 Transition to Registered Midwifery Practice and Practicum

Classroom Study Hours: 108

Laboratory Practice Hours: 36

Practice Hours: 192

Course Description

Course Description

This course enables the student to prepare for the transition of becoming a midwife. Includes learning about effective teaching within midwifery practice, further conflict, advocacy skills and leadership skills. Learning in earlier papers is synthesised in readiness for the National Midwifery exam.

Course Goal

In this course the students will transition from being a student to a midwife integrating knowledge and demonstrating competent and confident practice in readiness for National exam.

Course Objectives

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

1. Meet Bangladesh Nursing Council and ICM competencies for registration as midwife
2. Have the requisite knowledge and skills to provide high quality, culturally relevant, appropriate care for women, newborns and childbearing families
3. Provide high quality health education and services to all in the community
4. Provide high quality antenatal care and monitoring to maximise health during pregnancy.
5. Provide high quality, culturally sensitive care during labour.

6. Handle selected emergency situations to maximise the health of women and their newborn.
7. Provide comprehensive, high quality, culturally sensitive postnatal care for women up to 42 days after delivery and promote exclusive breastfeeding including family planning.
8. Provide high quality, comprehensive care for the newborn from birth to six weeks of age.

Pillars (Standards) of Practice

Professionalism

Applies principles of partnership, throughout the uncomplicated maternity experience
Effective and professional communication skills (written and oral)

Partnership

Plans and provides midwifery care in partnership with women recognising the complexities of partnership throughout the maternity experience.

Knowledge

Integrates knowledge and skills of normal antenatal, intrapartum and postpartum periods into own midwifery practice.

Integrates different ways of knowing into own practice and readily articulate evidence and research that informs practice

Critical Thinking.

Applies current research to practice and learns to articulate and document rationale for decisions made in practice.

Competence

Competently and confidently cares for women and baby in normal pregnancy, labour and birth and the puerperium.

Decision Making

Integration of midwifery Decision-making skills into own practice

Recognises ethical, cultural and social influences on the decision making process

Course Requirements

- Attendance at Peer teaching sessions
- Feedback forms
- Reflective journal

- Mock Final examination to prepare for National examination

Teaching Learning Activities

- Educational methods include:

192 hours clinical practice

- Group Work
- Lecture
- Discussion

Course Assessments

- Peer teaching session
- Practice Portfolio showing the student meets the BNMC and ICM competencies for practice (includes exemplars)
 - Written
 - Oral
 - Practical
 - Formative

Course Outline: DM 333 Transition to Registered Midwifery Practice and Practicum

Lessons	Topic	Hours	Teaching and Learning Activities
1.	Introduction to course Lesson on developing a midwifery portfolio according to the Bangladesh Nursing and Midwifery Council ICM competencies of practice	2	Lecture and Discussion Group Work
2.	Students work on developing own portfolio	4	Group work
3.	BNMC and ICM competencies for practice	2	Lecture, Discussion Group Work
4.	Legal and regulatory framework that surrounds Midwifery practice in Bangladesh	2	Lecture, Discussion Group Work
5.	Revision of Learning competencies and legal frameworks	4	Group work
6.	Practice skills	6	LAB
7.	The Midwifery Profession in Bangladesh <ul style="list-style-type: none"> ● Professional responsibilities Nationally 	2	Lecture, Discussion Group Work

	<ul style="list-style-type: none"> Professional responsibilities Internationally 		
8.	The Midwifery Profession in Bangladesh <ul style="list-style-type: none"> Professional midwifery issues in Bangladesh Professional midwifery issues Internationally 	2	Lecture, Discussion Group Work
9.	Revision of Learning midwifery in Bangladesh and internationally	4	Group Work
10.	Leadership <ul style="list-style-type: none"> Leadership styles Leadership skills 	2	Lecture, Discussion Group Work
11.	Revision of Learning leadership	4	Group Work
12.	<ul style="list-style-type: none"> Dealing with conflict 	2	Lecture, Discussion
13.	<ul style="list-style-type: none"> Advocacy skills 	2	Lecture, Discussion
14.	Revision of Learning dealing with conflict	4	Group Work
15.	<ul style="list-style-type: none"> Stress and burnout, professional boundaries, self care for midwives 	2	Lecture, Discussion Group Work
16.	Revision of Learning self care for midwives	4	Group Work
17.	<ul style="list-style-type: none"> Debriefing critical and/or stressful incidents 	2	Lecture, Discussion Group Work
18.	Revision of Learning debriefing	4	Group Work
19.	<ul style="list-style-type: none"> Collaboration between midwives and other health professionals - Includes consultation and referral 	2	Lecture, Discussion Group Work
20.	Revision of Learning consultation and referral	4	Group Work Presentation
21.	Practice skills	8	LAB
22.	Adult learning <ul style="list-style-type: none"> Adults as learners Teaching and learning strategies (1) 	2	Lecture, Discussion Group Work
23.	Teaching and learning strategies (2)	2	Lecture, Discussion Group Work
24.	Revision of Learning teaching and learning strategies	4	Group Work
25.	Practice skills	8	LAB
26.	Start planning peer presentation	4	Own study

27.	Develop a personal philosophy of midwifery practice ● Self reflection	2	Lecture, Discussion Group Work
28.	● Self and peer review ● Dealing with feedback	2	Lecture, Discussion Group Work
29.	Revision of Learning developing own philosophy	6	Group Work
30.	Work on peer presentation/ Micro Teaching	8	Self /Own study
31.	Work on peer presentation/ Micro Teaching	6	Self /Own study
32.	Teaching presentations by students (Micro Teaching)	6	Presentation
33.	Practice skills	8	LAB
34.	Exam revision Preparation for National exam	6	Lecture, Discussion Group Work
35.	Exam revision Preparation for National exam	6	Lecture, Discussion Group Work
36.	Practice skills	6	Lab

Course Title: DM334 Midwifery Practicum**Classroom Study Hours: 0****Laboratory Practice Hours: 0****Practice Hours: 384****Course Description**

This course will integrate and consolidate the midwifery knowledge and skills that have been learnt in the programme. During this course the student will practice autonomously across the scope of practice and demonstrate the practice pillars (standards) at a level to meet the Bangladesh and International Confederation of Midwives (ICM) competencies for Midwifery practice.

Course Goal

Students will integrate and begin to consolidate midwifery knowledge and skills and practice autonomously across the scope of midwifery practice

Course Objectives

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

1. Demonstrate professional midwifery practice across the scope of midwifery practice
2. Demonstrate leadership taking the lead in clinical situations across the scope of midwifery practice
3. Demonstrate working competently and confidently in partnership with women and her family across the scope of midwifery practice
4. Demonstrate accountability to women the midwifery profession and the midwifery programme
5. Demonstrate effective, appropriate and professional communication skills when working with women throughout the childbirth continuum
6. Integrate knowledge, evidence and research into practice
7. Demonstrate safe and effective midwifery care
8. Demonstrate consultative, complex decision making capabilities to provide safe and effective midwifery care.

9. Demonstrate critical thinking that enables safe, effective, autonomous and/or collaborative practice.

Pillars (Standards) for Practice

Professionalism

Maintains professional standards in practice at all times

Communicates professionally with women and their families

Accountability in own practice

Demonstrates leadership across the maternity continuum

Partnership

Negotiates own involvement in woman's care

Effective partnerships with women and colleagues

Promotes informed choice

Negotiates the tensions of partnerships

Works in partnership when consultation and/or referral is recommended

Knowledge

Integration and application of knowledge across the scope of midwifery practice

Full assessment of woman and newborn baby

Identifies factors which indicate need for consultation/referral

Critical Thinking

Discernment about information/evidence

Exploring potential differences in practice

Apply evidenced based care

Uses appropriate diagnostic reasoning

Reflection in action

Competence

Completes full documentation including booking

Undertakes antenatal, intrapartum and postnatal assessment woman and baby with limited supervision

Completes a plan of midwifery care includes screening and investigations with minimal guidance

Identifies deviations from normal
 Responds to deviations from normal
 Demonstrates ability to manage time and client 'load'
 Completes clinical skills checklist

Decision Making

Explores the decisions made by discussing practice
 Prioritises decisions
 Makes appropriate decisions across the scope of midwifery practice

Course Requirements

1. Reflective learning journal
2. Progress logs
3. Feedback from women and midwives
4. Clinical skills checklist

Teaching Learning Activities

Educational methods include 384 hours of clinical practice where the student will be taught by the midwife with whom she is working, the doctors with whom she is collaborating and her midwifery lecturer who will regularly meet with the student and discuss with the student her progress.

Course Assessments

1. Practice Portfolio that includes all of the following:
 1. Reflective journal that incorporates Practice Pillars (Standards)
 2. Feedback from midwife preceptor(s) and women to identify the development of practice and formulate goals for development of practice as student moves to Integrating Midwifery Practice 2 paper.
 3. Competency assessment antenatal, labour/birth and postnatal (achieve/non achieve)
 4. Midwifery Practicum 1 skills checklist:
 5. Progress logs

Mid Term and Final Exam

Practicum: Log Book, practice portfolio, practice exemplars, case presentation

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