

Midwifery and obstetrical Nursing

Subject code: 1NR1010305	Subject Title: Midwifery and obstetrical Nursing
Pre-requisite	----- NA-----

Course Description:

This course is designed for students to appreciate the concepts and principles of midwifery and obstetrical nursing. It helps them to acquire knowledge and skills in rendering nursing care to normal and high risks pregnant woman during antenatal, natal and post natal periods in hospitals and community settings. It also helps to develop skills in managing normal and high risk neonates and participate in family welfare programme.

Teaching Scheme (Total Hours)				Evaluation Scheme (Marks)				
Lecture	Tutorial	Practical	Total Hours	Theory		Practical		Total
				University Assessment	Continuous Assessment	University Assessment	Continuous Assessment	
45	-	180	225	-	-	-	-	-

Unit	Time	Learning objective	Content	Teaching Learning activities	Assessment Method
I	4	Recognize the trends and issues in midwifery and obstetrical nursing	Introduction to midwifery and obstetrical Nursing - Introduction to concepts of midwifery and obstetrical Nursing - Trends in midwifery and obstetrical nursing - Historical perspectives and current trends - Legal and ethical aspects - Pre-conception care and preparing for parenthood - Role of nurse in midwifery and obstetrical care - National policy and legislation in relation to maternal health and welfare - Maternal, morbidity, mortality and fertility rates - Perinatal, morbidity and mortality rates	- Lecture discussion - Explain using charts and graphs	- Short answers - Objective type
II	8	Describe the anatomy and physiology of female reproductive	Review of anatomy and physiology of female reproductive system and foetal development	- Lecture discussion - Review with charts and models	- Short answers - Objective type

		system	• Female pelvis – general description of the bones joints, ligaments, planes of the pelvis diameters of the true pelvis, important landmarks, and variations in pelvis shape. • Female organs of reproduction – external genitalia, internal genital organs and their anatomical Relations, musculature – blood-supply, nerves, lymphatics, pelvic cellular tissue, pelvic peritoneum • Physiology of menstrual cycle • Human sexuality • Foetal development - o Conception - o Review of fertilization, implantation (embedding of the ovum), development of the embryo and placenta at term-functions, abnormalities, the foetal sac, amniotic fluid, the umbilical cord, - o Foetal circulation foetal skull, bones, sutures and measurements • Review of Genetics		
III	8	• Describe the diagnosis and management of women during antenatal period	Assessment and management of pregnancy (ante-natal) • Normal pregnancy • Physiological changes during pregnancy ➤ Reproductive system ➤ Cardio vascular system ➤ Respiratory system ➤ Urinary system ➤ Gastro intestinal system ➤ Metabolic changes ➤ Skeletal changes ➤ Skin changes ➤ Endocrine system ➤ Psychological changes ➤ Discomforts of pregnancy • Diagnosis of pregnancy ➤ Signs ➤ Differential diagnosis ➤ Confirmatory tests ➤ Ante-natal care	• Lecture discussion • Demonstration • Case discussion/presentation • Health talk • Practice session • Counseling session • Supervised clinical practice	• Short answers • Objective type • Assessment of skills with check list • Assessment of patient management problems

			➤ Objectives ➤ Assessment - History and physical Examination - Antenatal Examination - Signs of previous child-birth ➤ Relationship of foetus to uterus and pelvis: Lie, Attitude, Presentation, Position ➤ Per vaginal examination • Screening and assessment for high risk • Risk approach • History and Physical Examination • Modalities of diagnosis; Invasive & Non-Invasive, ultrasonics, cardiotomography, NST, CST • Antenatal preparation ➤ Antenatal counseling ➤ Antenatal exercises ➤ Diet ➤ Substance use ➤ Education for child-birth ➤ Husband and families ➤ Preparation for safe-confinement ➤ Prevention from radiation • Pscho-social and cultural aspects of pregnancy ➤ Adjustment to pregnancy ➤ Unwed mother ➤ Single parent ➤ Teenage pregnancy Sexual violence • Adoption		
IV	12	• Describe the physiology and stages of labour • Describe the management of women during intranatal period	• Assessment and management of intra-natal period • Physiology of labour, mechanism of labour • Management of labour - O First stage - Signs and symptoms of onset of labour; Normal and abnormal - Duration - Preparation of: ➤ Labour room ➤ Woman - Assessment and observation of women in labour; partogram-maternal	• Lecture discussion • Demonstration • Case discussion/presentation • Simulated practice • Supervised Clinical practice	• Essay type • Short answers • Objective type • Assessment of skills with check list • Assessment of patient management problems

			and foetal monitoring - Active management of labour, Induction of labour - Pain relief and comfort in labour • Second stage ➤ Signs and symptoms; normal and abnormal ➤ Duration ➤ Conduct of delivery, principles and techniques ➤ Episiotomy (only if required) ➤ Receiving the new born - Neonatal resuscitation; initial steps and subsequent resuscitation -Care of umbilical cord Immediate assessment including screening for congenital anomalies -Identification - Bonding -Initiate feeding - Screening and transportation of the neonate • Third stage ➤ Signs and symptoms; normal and abnormal ➤ Duration ➤ Method placental expulsion ➤ Management; Principles and techniques ➤ Examination of the placenta ➤ Examination of perineum • Maintaining records and reports • Fourth stage		
V	5	• Describe the physiology of puerperium • Describe the management of women during postnatal period	Assessment and management of women during post natal period • Normal puerperium; Physiology Duration • Postnatal assessment and management ➤ Promoting physical and emotional wellbeing ➤ Lactation management ➤ Immunization • Family dynamics after child-birth • Family welfare services; methods, counselling • Follow-up	• Lecture discussion • Demonstration • Health talk • Practice Session • Supervised Clinical Practice	• Essay type • Short answers • Objective type • Assessment of skills with check list • Assessment Of patient management problems

			• Records and reports		
VI	7	• Describe the assessment and management of normal neonate	Assessment and management of normal neonates • Normal Neonate; ➤ Physiological adaptation, ➤ Initial & Daily assessment ➤ Essential newborn care; Thermal control ➤ Breast feeding, Prevention of infections • Immunization • Minor disorders of newborn and its management • Levels of Neonatal care (level I, II & III) • At primary, secondary and tertiary levels o Maintenance of Reports and Records		

Midwifery and obstetrical Nursing-Practical

Placement: Third year

180hrs

Fourth year

180hrs

Area	Duration (in Week)	Objectives	Skills to be developed	Assignments	Assessment methods
Antenatal clinic/OPD	2	Assessment of pregnant women	Antenatal history taking - Physical examination - Recording of Weight & B.P. - Hb & Urine testing for sugar and albumin - Antenatal examination-abdomen and breast - Immunization - Assessment of risk status - Teaching antenatal mothers - Maintenance of Antenatal records	*Conduct Antenatal Examinations 30 - Health talk-I - Case book recordings	- Verification of findings of Antenatal examinations - Completion of casebook recordings
Labour room O.T	4	- Assess woman in labour - Carry out per vaginal examinations - Conduct normal deliveries - Perform episiotomy and suture it - Resuscitate newborns - Assist with caesarean sections MTP and other surgical procedures	- Assessment of woman in labour - Per vaginal examinations and interpretation - Monitoring and caring of woman in labour - Maintenance of partograph - Conduct normal delivery - Newborn assessment and immediate care - Resuscitation of newborns - Assessment of risk status of newborn. - Episiotomy and suturing. - Maintenance of labour and birth records. - Arrange for and assist with Caesarean section and care for woman & baby during Caesarean.	*Conduct normal deliveries-20 *Per vaginal examinations5 *Perform and suture the episiotomy s-5 *Resuscitate newborns-5 *Assist with Caesarean Sections-2 *Witness abnormal deliveries-5 - Assist with MTP and other surgical procedures-I	



			• Arrange for and assist with MTP and other surgical procedures.	• Case book recordings	
Postnatal ward	4	• Provide nursing care to postnatal mother and baby • Counsel and teach mother and family for parent hood	• Examination and assessment of mother and Baby • Identification of deviations • Care of postnatal mother and baby • .Perineal care • Lactation management • Breast feeding • Babybath • Immunization, • .Teaching postnatal mother: ➤ Mother craft ➤ Postnatal care & Exercises ➤ Immunization	• *Give care to postnatal mothers-20 • Health talks-I • Case study • Case p[resentationI • Case book recordings	• Assessment of clinical performance • Assessment of each skill with checklists • Completion of case book recording • Evaluation of case study and presentation and health education sessions
Newborn nursery	2	• Provide nursing care to newborn at risk	• Newborn assessment • Admission of neonates • Feeding of at risk neonates o Katori spoon, paladin tube feeding, total parenteral nutrition • Thermal management of neonates-kangaroo mother care, care of baby in incubator • Monitoring and care of neonates • Administering medications • Intravenous therapy • Assisting with diagnostic procedure • Assisting with exchange transfusion • Care of baby on ventilator • Phototherapy • Infection control protocols in the nursery • Teaching and counselling of parents • Maintenance of neonatal records • Counselling technique • Insertion of IUD		

			• Teaching on use of family planning methods • Arrange for and Assist with family planning operations • Maintenance of records and reports		
Family planning Clinic	Rotation from postnatal ward 1 week.	• Counsel for and provide family welfare services	• Counselling technique • Insertion of IUD • Teaching on use of family planning methods • Arrange for and Assist with family planning operations • Maintenance of records and reports	• *IUD Insertion-5 • Observation Study-I • Counselling2 • Simulation exercise on recording and reporting-I	• Assessment of each skill with checklists • Evaluation of and observation study

Essential Requirements for registration as midwife

- *Antenatal examination 30
- *Conducting normal deliveries in hospital/home/health centre 2
- *Vaginal examination 5
- *Episiotomy and suturing 5
- *Neonatal resuscitation 5
- *Assist with Caesareans Sections 2
- *Witness/Assist abnormal deliveries 5
- *Postnatal cases nursed in hospital/home/health centre 20
- *Insertion of IUD 5

Note: All casebooks must be certified by teacher on completion of essential requirements

Internship obstetrical Nursing

Area	Duration (in Week)	Objectives	Skills to be developed	Assignments	Assessment methods
Labour/ Neonatal ward	2	• Provide comprehensive care to mothers and neonates	• Integrated practice	• Completion of other essential requirements • Case book recordings	• Assess clinical performance with rating scale • Completion of case book recordings
intensive care unit/NICU	1				
Antenatal ward	2				