



University of Thi-Qar
College of Nursing
Undergraduate Program
Maternal and Neonatal Health Nursing

- 1. Course Title:** Maternal and Neonatal Health Nursing
- 2. Course Number:** (302)
- 3. Credit Hours:** Total (6) credits:
 - Theory (1) credits
 - Lab. (2) credits
 - Clinical (3) credits
- 4. Course Calendar:** Total (11) hours weekly of (15) weeks:
 - Theory (3) hrs.
 - Lab. (2) hrs.
 - Clinical (6) hrs.
- 5. Placement:** Third year / First Semester

6. Course Description:

This course is designed to assist nursing students to acquire a comprehensive knowledge & skills necessary in providing care for normal and high risk women during preconception, prenatal, intra-natal, postnatal, and menopause periods, taking in consideration that woman is a unique individual with special needs. The course also provides knowledge and skills relative to neonates' care. Students are trained in various settings: maternity hospitals, primary health care center & family planning clinic.

7. Course Goals:

At the end of this course the students will be able to:

1. Identify the goals & philosophy of maternal & child health nursing
2. Explain family's structure, function & roles
3. Describe the structure & function of female & male reproductive system
4. Explain the phases of menstrual cycle
5. Identify stages of embryonic & fetal development
6. Describe growth & development of fetus by gestational weeks
7. Formulate nursing diagnosis related to the needs of pregnant woman
And developing fetus
8. Discuss physiologic & psychological adaptation to pregnancy
9. Describe nutritional needs of pregnant woman

10. Explain causes & nursing intervention for common discomfort of pregnancy
11. Describe potential complications of pregnancy & its management
12. Describe the stages of labor
13. List signs of labor
14. Distinguish between false & true labor
15. Describe a pregnant physiologic & psychological responses to labor
16. Discuss nursing responsibilities towards woman & her family before, during & after normal vaginal delivery.
17. Explain types, indications, benefits, risk, precautions & contra-indications for obstetric operation (Episiotomy, forceps, C/S, amniotomy and induction of labor)
18. Identify possible complications of labor & delivery
19. Describe physiological & psychological changes that normally occur during puerperium.
20. Discuss nursing management for normal & complicated puerperium
21. Describe nursing assessment & intervention for common problems in breast feeding
22. Describe normal physical & neurological characteristics of neonate
23. Explain nursing management for immediate & daily newborn baby
24. Identify potential complications & its management for high risk neonate
25. Compare & contrast the advantage & disadvantages & risk factors associated with each methods of family planning
26. Discuss nursing management
27. Identify nursing management for common gynecological disorder
28. Demonstrate skill in monitoring different health needs during childbearing periods
29. Communicate with pregnant women & their family
30. Apply nursing process in providing care during normal & complicated childbearing conditions
31. Provide immediate & daily newborn care
32. Assist or observe obstetrical procedures:
33. Implement health education programs related to different maternal aspects during the different childbearing periods
34. Participate in counseling related to health maintenance & promotion of women & their family (Family planning clinic, primary health care center)

8.Course Outline:

Part I: Introduction to maternal & neonatal nursing

- 1.1. Family Concepts.
- 1.2. Family centered maternity care.
- 1.3. Care for family as part of community.
- 1.4. Preconception

Part II: Reproductive system:

- 2.1. Revision of anatomy & physiology of.
- 2.2. reproductive system (male& female).
- 2.3. Menstrual Cycle.

Part III: Pregnancy: (Normal & Complicated)

- 3.1. Development & physiology of fetus.
- 3.2. Normal pregnancy (Physiological& psychological changes) Prenatal care.
- 3.3. Nursing care during complications of pregnancy (Ant partum Hemorrhage, Pregnancy Induced Hypertension, Gestational Diabetic, Urinary Tract Infection, & anemia).

Part IV: Labor & delivery: (Normal & Complicated)

- 4.1. Theories of labor onset.
- 4.2. Signs of labor.
- 4.3. Components of labor.
- 4.4. Stages of labor.
- 4.5. Nursing management of each stage of labor.
- 4.6. Role of the nurse in delivery room.
- 4.7. Infection and pollution prevention & control in the delivery room.
- 4.8. Nursing management during complicated labor & delivery.
- 4.9. Using of partograph in labor.

Part V : Midterm Examination

Part VI : Obstetrical operation:

- 6.1. Nursing care during obstetrical operation (Episiotomy, forceps, C/S & induction & Augmentation of labor).

Part VII: Puerperium:

- 7.1. Physiologic & physiological changes during Puerperium.
- 7.2. Nursing management during normal Puerperium.
- 7.3. Nursing management during complicated Puerperium (PPH),

Part VIII: Assessment & management of emergency obstetric conditions.

- 8.1. Ant partum Hemorrhage
- 8.2. Obstructed labor
- 8.3. Postpartum Hemorrhage
- 8.4. Infections

Part IX: Neonatal nursing care:

- 9.1. Physiological changes & adaptation to extra uterine environment.
- 9.2. Nursing assessment & management of neonate.
- 9.3. Immediate & daily neonatal care.
- 9.4. Nursing assessment & management for high risk neonate.
- 9.5. Regulation of birth & death certificate for newborn & its importance.

Part X: Midterm Examination

Part XI: Family planning:

- 11.1. Objectives of family planning in Iraq.
- 11.2. Contraceptive methods in Iraq including emergency contraceptive.
- 11.3. Advantages & disadvantages of each method.
- 11.4. Role of Nurse in family planning in primary health care centers and hospitals including health education & counseling.

Part XII: Gynecological disorders:

- 12.1. Nursing care for common gynecological disorders (Prolapsed of genital tract, benign & malignancy of genital tract & menstrual disorders), & Infertility.

The Laboratory Content

Course Outline:

Part I: Implementation of certain procedures regarding women:

- 1.1. Anthropometric calculation: Calculate body mass index (BMI., west-hip ratio, arm circumference
- 1.2. Estimation of gestational age (GA), (EDD).
- 1.3. Physical & obstetrical exam.
- 1.4. Monitoring fetal heart rate (FHR) & fetal movement .
- 1.5. Monitoring uterine contractions.
- 1.6. Vaginal exam. , Pap smear.
- 1.7. Breast examination for early detection of any abnormalities.
- 1.8. Certain investigation (Blood group & RH, Hb, urine test for

albumin & sugar & pregnancy test, comb test bilirubin).

1.9. Exercise & relaxation technique

1.10. Instrument related to obstetrical, gynecological & neonatal procedures.

1.11. Partograph

1.12. Documentation

Part II: Implementation of certain procedures regarding neonate

2.1. Weight, height, head & chest circumference

2.2. Apgar score (first one & five minute)

2.3. Cord care

2.4. Immediate & daily newborn care (Bathing)

2.5. Care of incubators

2.6. Type of feedings

Part III: Health Education and Counseling

The Clinical Content

Course Outline:

Part I: Prenatal and postpartum care (Obstetrical wards)

Part II: Labor & delivery

Part III: Operating room (Cesarean section (C/S), Gynecological operation).

Part IV: Emergency wards (Pregnancy Induced Hypertension (PIH), Urinary Tract Infection (UTI), Postpartum Hemorrhage (PPH) & Ant partum Hemorrhage (APH).

Part V: Family planning unit.

Part VI: Neonate unit : Premature newborn, twin, RDS, Jaundice, Blood transfusion, newborn for high risk mother.

Part VII: Infertility center