

**Maharashtra University of Health Sciences,
Nashik**



M.Sc.(Nursing) – I Year

**Revised Syllabus for Obstetrics &
Gynaecological Nursing**

**(Applicable for student admitted from Academic
Year 2015-16)**

Syllabus as per Board of Studies Meeting dated 16/10/2010 & 21/04/2014 & Approved by
Academic Council on 24/04/2015 vide Resolution Number 31/2015.

CLINICAL SPECIALITY – I

OBSTETRIC AND GYNAECOLOGICAL NURSING

Placement: 1 st Year

Hours of Instruction

Theory : 150 Hours.

Practical : 650Hours

Total : 800 Hours

Course Description

This course is design to assist students in developing expertise and in depth understanding in the field of Obstetric and Gynecological Nursing. It will help students to appreciate the client as a holistic individual and develop skill to function as an independent midwifery practitioner. It will further enable the student to function as educator, manager and researcher in the field of Obstetric and Gynecological nursing

Objectives

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

1. Appreciate the trends in the field of midwifery, obstetrics and gynaecology as a specialty
2. Describe the population dynamics and indicators of maternal and child health
3. Describe the concepts of biophysical, psychological and spiritual aspects of normal pregnancy, labor and puerperium.
4. Provide comprehensive nursing care to women during reproductive period.
5. Integrate the concepts of family centered nursing care and nursing process approach in obstetric and gynecological nursing.
6. Identify and analyze the deviations from normal birth process and refer appropriately.
7. Describe the pharmacological agents, their effects during pregnancy, child birth, puerperium, lactation and the role of nurse
8. Counsel adolescents, women and families on issues pertaining to pregnancy, child birth and lactation
9. Describe the role of various types of complementary and alternative therapies in obstetric and gynecological nursing
10. Incorporate evidence based nursing practice and identify the areas of research in the field of obstetric and gynecological nursing
11. Describe the recent advancement in contraceptive technology and birth control measures.
12. Appreciate the legal and ethical issues pertaining to obstetric and gynaecological nursing

Course Content

SR. NO.	UNIT	TOPIC	THEORY	PRACTICALS
1	I	<p><u>Introduction to obstetric & Gynaecological nursing:</u></p> <ul style="list-style-type: none"> • Historical and contemporary perspectives • Epidemiological aspects of maternal and child health • Magnitude of maternal and child problems • Issues of maternal and child health: Age, Gender, Sexuality, psycho socio cultural factors • Preventive obstetrics • National Health and family welfare programmes related to maternal and child health: health care delivery system National Rural health mission, Role of NGO's • Theories, models and Approaches applied to midwifery practice & gynaecological nursing • Role and scope of midwifery practice: Independent Nurse midwifery practitioner • Legal and Ethical issues : Code of Ethics and standards of midwifery practice, standing orders • Evidence based midwifery practice <p>Research priorities in obstetric and gynecological nursing</p>	15	
2	II	<p><u>Human reproduction & Human Sexuality:</u></p> <ul style="list-style-type: none"> • Review of anatomy and physiology of human reproduction system: male and female • Hormonal cycles • Embryology • Genetics, teratology and counseling • Clinical implications 	20	
3	III	<p><u>Pregnancy</u></p> <p>1. Maternal adaptation : Physiocological , Psychosocial</p> <ul style="list-style-type: none"> • Assessment - Maternal and foetal measures Maternal Measures: History taking, examination – General, physical and obstetrical measure , identification of high risk • Foetal measure – clinical parameters, biochemical – human estriol, Maternal Serum Alfa Feto protein, Acetyl choline esterase (AchE), Triple Test Amniocentesis, Cordocentesis, chorionic villus sampling (CVS) • Biophysical – (US IMAGING , Foetal movement count, Ultra Sonography, Cardiotocography, cardiotomography, Non Strss Test (NST), contraction Stress Test (CST) , amnioscopy, foetoscopy • Radiological examination • Interpretation of diagnostic tests and nursing implications • Nursing management of the pregnant women, minor disorders of pregnancy and management , preparation for child birth and parenthood, importance of institutional delivery, choice of birth setting , importance and mobilizing of transportation, prenatal counseling . role of nurse and crisis intervention , identification of high risk pregnancy and refer <ul style="list-style-type: none"> • Alternative / complementary therapies 	20	5

SR. NO.	UNIT	TOPIC	THEORY	PRACTICALS
4	IV	<p><u>Normal Labor and Nursing management :</u></p> <ul style="list-style-type: none"> • Essential factors of labour • Stages and onset <p><u>First stage : Physiology of normal labour</u></p> <ul style="list-style-type: none"> • Use of partograph : principles, use and critical analysis, evidence based studies • Analgesia and anesthesia in labour • Nursing management <p><u>Second Stage</u></p> <ul style="list-style-type: none"> • Physiology, intrapartum monitoring • Nursing management • Resuscitation, immediate newborn care and initiate breast feeding (guidelines of National neonatology forum of India) <p><u>Third stage</u></p> <ul style="list-style-type: none"> • Physiology and nursing management <p><u>Fourth stage – Observation, critical analysis and Nursing management.</u></p> <ul style="list-style-type: none"> • Various child birth practice: water birth, position change etc • Evidence based practice in relation to labour intervention <p><u>Role of nurse midwifery practitioner</u> Alternative / complementary therapies</p>	23 +2	2
5	V	<p><u>Normal puerperium and nursing management</u></p> <ul style="list-style-type: none"> • Physiology of puerperium • Physiology of lactation, lactation management , exclusive breast feeding , Baby friendly hospital initiative (BFHI) • Assessment of postnatal women • Minor discomforts and complication of puerperium • Management of mothers during puerperium: Postnatal exercises Rooming in, bonding, Warm chain • Evidence based studies <p><u>Role of nurse midwifery practitioner</u> Alternative / complementary therapies</p>	18 + 1	2
6	VI	<p><u>Normal Newborn</u></p> <ul style="list-style-type: none"> • Physiology and characteristics of normal newborn • Physical and Behavioral assessment of newborn • Needs of Newborn • Essential newborn care: Exclusive breast feeding , Immunization, Hygiene measures, newborn nutrition • Organization of neonatal care, services(Levels), Transport, neonatal intensive care unit , organization and management of nursing services in NICU • Observation and care of newborn Parenting process 	18	2

SR. NO.	UNIT	TOPIC	THEORY	PRACTICALS
7	VII	<p><u>Pharmaco dynamics in obstetrics & gynaecology:</u></p> <ul style="list-style-type: none"> • Drugs used in pregnancy, labour, post partum and newborn • Calculation of drugs dose and administration • Effects of drugs used • Anesthesia and analgesia in obstetrics • Roles and responsibilities of midwifery nurse practitioner <p>Standing orders and protocols and use of selected life saving drugs and interventions of obstetric emergencies approved by the MOHFW</p>	10	
8	VIII	<p><u>Family welfare services</u></p> <ul style="list-style-type: none"> • Population dynamics • Demography trends: vital statistics, calculation of indicators especially maternal and neonatal mortality rates and problems and other health problems • Recent advancement in contraceptive technology Role of nurses in family welfare programmes in all setting • Role of independent nurse midwifery practitioner • Family life education • Evidence based studies • Information , Education and Communication (IEC) • Management information and evaluation system (MIES) <ul style="list-style-type: none"> ○ Teaching and supervision of health team members 	8	2 (VISIT TO IEC)
9	IX	<p><u>Abortion</u></p> <ul style="list-style-type: none"> • Types, Causes • Legislations, Clinical Rights and Professional responsibility Abortion Procedures • Complications • Nursing Management • Role of Midwifery Nurse Practitioner 	5	
10	X	<p><u>Nursing in Gynaecologic conditions:</u></p> <ul style="list-style-type: none"> ➤ Nursing history taking and assessment ➤ Nursing process ➤ Gynaecological procedures ➤ Menstrual irregularities ➤ Genital injuries ➤ Uterine malformations 	10	
11	XI	<p><u>HIV / AIDS</u></p> <ul style="list-style-type: none"> ❑ HIV positive mother and her baby ❑ Epidemiology ❑ Screening ❑ Parent to child transmission (PTCT) ❑ Prophylaxis for mother and baby ❑ Universal precautions and patient safety measure ❑ ACOG & WHO guidelines, international policies & the guidelines ❑ Counseling ❑ Breast feeding issues ❑ National policies and guidelines <p>Issues: Legal, ethical, Psychosocial and rehabilitation role of nurse</p>	15	

PRACTICAL

Total = 650 Hours
1 week = 30 Hours
Total 22 weeks = 650 Hours

Sr. No.	Deppt. / Unit	No. of Week	Total Hours
01	Anetenatal Wards & OPDs	04	120
02	Labour Room	05	140
03	Postnatal Ward	03	90
04	Family Planning Clinics	01	30
05	PHC/Rural maternity settings	03	90
06	Gynae	04	120
07	Maternity OT	02	60
	Total	22 weeks	650 Hours

Procedures observed

- Diagnostic investigation : amniocentecis, chordocentecis, chorionic, villisampling
- Infertility management: artificial reproduction: artificial insemination, invitro fertilization, and related procedures.

Procedures assisted

- Medical termination of pregnancy

Procedures performed

- Antenatal assessment –20
- Postnatal assessment-20
- Assessment during labour: use of partograph –20
- Per Vaginal examination-20
- Conduct of normal delivery-20
- Episiotomy and suturing-10
- Setting up of delivery areas
- Insertion of intra – uterine devices(copper T)

Others

- Identification of high risk women and referral
- Health education to women and their families
- Motivation of couples for planned parenthood

Procedures performed

- Health education, counseling and mother craft classes
- Antenatal immunization
- Assessment of intra uterine fetal well-being
- Universal precautions –effective infection control methods
- Vaginal examination and interpretation (early pregnancy, labour, post partum)
- Utilization of partograph, Cervicograph
- Conduction of safe delivery
- Episiotomies suturing
- Manual removal of placenta, placental examination
- Postnatal assessment – 20
- Management of breast engorgement, while leg
- Postnatal counseling
- Breast care, breast exam, and drainage breast abcess
- Postnatal exercise
- Newborn assessment –Ruling out congenital anomalies

- Neonatal resuscitation
- Apgar score
- Monitoring neonates
 - Clinically
 - With monitor
 - Capillary refill time
 - Assessment of jaundice
- Gastric lavage
- Gastric gavage
- Care of child in multi channel monitor and ventilator
- Care of child in radiant, warmer and incubator
- Kangaroo care
- Anthropometrics measurement
- Neonatal reflexes
- Breast feeding
- Parental nutrition & fluid balance /infusion pump
- Feeding technique
- Medication
 - Oral
 - I.D
 - I.M
 - I.V
- Capillary blood sample collection
- Oxygen therapy
- Phototherapy
- Chest physiotherapy

METHODS OF TEACHING

Method of teaching

- Lecture cum discussion
- Demonstration
- Seminar/Presentation
- Project work
- Field visits

Methods of evaluation

- Written Tests
- Class room /Clinical teaching
- Presentation
- Written assignments

Practicum

Conducted of normal deliveries = 20 No. (10 cases during I year M.Sc.(N) and 10 cases during II year M.Sc.(N).

LIST OF BOOKS RECOMMENDED FOR OBSTETRICS AND GYNAECOLOGY & NEONATOLOGY

1. Buckley Kathleen and Kulb Nancy W, "high Risk Maternity Nursing Manual" Edn, Williams & Wilkin, 1993, Philadelphia.
2. Bennet V Ruth & Brown K Linda, "Myle" text Book for Midwives, ELBS, Churchill Livingstone
3. Calander, R & A Miller, 'Obstetrics illustrated' IV edn, Churchill & Livigstone Newyork,1993.
4. Dawn C.S, " Textbook of Obstetrics and Neonatology", Dawn Books, Calcutta.
5. Dawn C.S, " Textbook of Gynaecology and contraception", Dawn Books, Calcutta.
6. D.C Dutta, "Text book of Obstetrics", Vth edn, New Central Agency (p) Calcutta, 2001.
7. D.C Dutta, "Text book of Gynaecology", Vth edn, New Central Agency (p) Calcutta, 2001.
8. Daftary Shrish N EL AL , " Holland and Brews Manual of Obstetrics", XVI edn, B I Churchill Livingstone PVT Ltd, New Delhi.
9. Dickason Elizabeth jean et al , " Maternal infant Nursing care, II edn, 1998, Mosby , ST. Louis.
10. GoodnerBrenda, " Concepts of Obsterics Nursing", I edn, Skidmore, Roth Publishing, INC ,1994, Texas.
11. Gorie Trula Myers et al" ,Foundations of maternal Newborn Nursing", II edn, WB Saunders Coy, Philadelphia, 1998.
12. Hollan and Brews", Manual of Obstetrics", BI Churchill Livingstone
13. Ladewing Patricia Wieland et al , " Essentials of Maternal Newborn Nursing", II edn, Addisol Wesley Nursing, NY, 1990.
14. Menon Krishna & Palaniappan, "Clinical Obstetrics", IX EDN Orient Longman, 1990, Madras.
15. Rashmi Patil, " Instruments, Operatuions, Drugs in Obstetrics and Gynaecology", Vors Medical Publications.
16. Philips Celeste R , " Family centered Maternity Newborn care", III edn, Mosby New year Book, St Louis 1996.
17. Tindall VR, Jeffcoate's Principles of Gynaecology", Butterworth Heineman.
18. Wonna Donna L, Perry Shannon et al", Maternal child Nursing", 1998, Iedn, CV Mosby coy, st Louis, London.

LIST OF JOURNALS RECOMMENDED

1. American Journal of Nursing
2. Health and population
3. Indian Journal of Nursing and Midwifery
4. Journal of Obstetrics and Gynaecology
5. Journal of Pardiatics
6. Journal of Family Welfare
7. Nursing Journal of India
8. Nursing Times
9. Paediatrics today
10. Paediatric clinics of India
11. Obstetric And Gynecology Today.

MAHARASHTRA UNIVERSITY OF HEALTH SCIENCES

M Sc NURSING : CLINICAL SPECIALITY I - OBSTETRIC & GYNAECOLOGIC NURSING

FIRST YEAR

SCHEME OF INTERNAL ASSESSMENT

Internal Assessment

Theory

Sl. No.	Techniques	Number	Weightage
1	Tests	2	
	Midterm (50 marks)		50
	Prefinal (75 marks)		75
2	Other Assignment		
	Seminar (100 marks)		100
	02Journal Presentation (25X2)		50
			275

Total Internal Assessment 25

Total External Assessment 75

Practical Experience Evaluation

Sr. no.	Assignment	No.	Weightage
1	<u>Care plan :</u>		
	• ANTENATAL	1	50
	• INTRANATAL	1	50
	• POSTNATAL	1	50
	• NEWBORN	1	50
2	<u>Clinical presentation:</u>		
	• ANTENATAL	1	50
	• POSTNATAL	1	50
	• GYNAEC	1	50
3	<u>CASE BOOK /JOURNAL</u>	1	30
4	<u>Clinical evaluation:</u>		
	• Antenatal	1	100
	• Postnatal	1	100
	• Labour room	1	100
	• Rural maternity experience	1	100
5	<u>Examination:</u>		
	Mid term Practical Examination	1	50
	Pre final Practical Examination	1	100
	Total		930

UNIVERSITY EXAMINATION

1. WRITTEN EXAMINATION

75 MARKS

2. PRACTICAL EXAMINATION

100 MARKS

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M.Sc Nursing
Clinical specialty – Obstetric and Gynaecology Nursing

SEMINAR EVALUATION PROFORMA

Subject: ----- Topic: -----

Name of the Student: -----

Date /Time: -----

Name of the Evaluator /Guide: -----

S.No	CRITERIA	Marks allotted	Marks obtained
1	Aims and objectives	5	
2	<u>Organisation of content</u> <ul style="list-style-type: none"> ▪ Latest information ▪ Simple to complex ▪ Application of Nursing Theory 	15	
3	<u>Presentation</u> <ul style="list-style-type: none"> ▪ Introduction ▪ Content, relevancy ▪ Teaching technique 	50	
4	Audiovisual aids***	15	
5	Speaker's qualities <ul style="list-style-type: none"> ▪ Appearance ▪ Confidence ▪ Communication skill ▪ Voice modulation 	5	
6	Group discussion	5	
7	References	5	
	Total	100	

*****Evidence of wide reading and in depth knowledge**

Remarks

Signature of student

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EVALUATION CRITERIA FOR
CASE PRESENTATION

Total Score = 50

Sr.No.	Criteria	Marks Allotted	Marks Obtained
1	<u>Assessment:</u> History taking & Physical assessment	10	
2	<u>Disease condition in detail:</u> Etiology, Pathophysiology, Clinical features, Investigations, Medical management	10	
3	Organization of content	04	
4	Objectives of care	08	
5	Nursing Process	10	
6	Application of Nursing theories	06	
7	Overall presentation of the case	02	

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M.Sc Nursing

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CLINICAL EVALUATION PROFORMA

Name of the Student : ----- **DURATION:**-----

Clinical Area :-----

S.No	CRITERIA	4	3	2	1
1.	PERSONALITY & ATTITUDE Grooming & turn out				
2	Able to think logically & well informed				
3	Attentive listener				
4	Communicate effectively				
5	Trustworthy & reliable				
6	Enthusiastic, interested & takes initiatives when situation demands				
7	Courteous, tactful & considerate in all her dealings with patient, significant other team members.				
8	Displays leadership qualities				
9	Follows instructions & exhibits positive behavioural changes				
10	Complete assignments on time with self motivation & effort				
11	KNOWLEDGE Possess sound knowledge of principles of obstetric Nursing				
12	Has understanding of the modern trends & current issues in obstetric Nursing practices.				
13	Has knowledge of physiological changes during pregnancy, labour & puerperium.				
14	Has adequate knowledge of diet				
15	Demonstrate evidence of self learning by current literature & seeking help from experts in the field.				
16	APPLICATION & SKILL Able to accurately elicit health history				
17	Able to perform & assist in the examination diagnostic procedures T treatment modalities.				
18	Displays skill in trolley setting & assisting in instrumental deliveries & other procedures.				
19	Confident & skillful in conducting normal deliveries & rendering antenatal and postnatal care of gynae patients.				
20	Make relevant observation & records & reports.				
21	Identifies risk factors & manages emergency situations effectively & promptly				
22	Works independently & makes prompt relevant decision in all situation.				
23	Submits assignments with self-motivation & efforts				
24	Demonstrates sound knowledge of drugs used in Obs. And gynae practices				
25	Applies Nursing theories through Nursing process in the clinical field.				

REMARKS:

SIGNATURE OF THE SUPERVISOR

SIGNATURE OF THE STUDENT

KASTURBA NURSING COLLEGE, SEWAGRAM-WARDHA

EVALUATION CRITERIA FOR NURSING CARE PLAN

(Maximum Marks – 50)

Name of the Student : _____

Date :

Field placement : _____

SR. NO.	CRITERIA	MARKS ALLOTTED	MARKS OBTAINED	TOTAL
1	1. History taking	6		
2	2. Assessment of needs & problems	10		
3	3. Nursing process	16		
4	4. Implementation of care	10		
5	5. Follow-up care	4		
6	6. Bibliography	4		
	TOTAL	50		

N.B. : One Nursing Care Plan : 50 Marks

Remarks

Signature of Students

Signature of Supervisor