COURSE SYLLABUS
AND
INSTRUCTOR PLAN

Maternal-Neonatal Nursing
VNSG 1330 01

Carol Herdman, RN
Angela Trotter, RN

Summer 1 2012
Course Description:

VNSG 1330 Maternal - Neonatal Nursing Utilizes the nursing process in the assessment and management of the childbearing family. Emphasis on the bio-psycho-social-cultural needs of the family during the phases of pregnancy, childbirth, and the neonatal period, including abnormal conditions. Concurrent enrollment in VNSG 1262. Semester Hours 3 (3 lec)

Prerequisites and/or Corequisites:

Corequisites: VNSG 1262

Course Notes and Instructor Recommendations:

Instructor Information:

Instructor Name: Carol Herdman
MCC E-mail: cherdman@mclennan.edu
Office Phone Number: 299-8366
Office Location: HP 115
Office/Teacher Conference Hours: posted
Other Instruction Information:

Instructor Name: Angela Trotter
MCC E-mail: atrotter@mclennan.edu
Office Phone Number: 299-8368
Office Location: HP 115
Office/Teacher Conference Hours: posted
Other Instruction Information:

Required Text & Materials:

- Leifer, Gloria, RN; Introduction to Maternity & Pediatric Nursing, 6th Ed., 2011, Saunders
- Skidmore-Roth, Mosby’s 2012-13 Nursing Drug Reference
- Mosby’s Medical & Nursing Dictionary
- Doenges, Nurse’s Pocket Guide: Diagnoses, Prioritized Interventions & Rationales 12th Ed.
- Pagana, Mosby diagnostic & Laboratory Test Reference

MCC Bookstore Website
Methods of Teaching and Learning:

Examples: Lecture, discussion groups, group projects, field trips, lab exercises, projects, service learning assignments, student performances/presentations, portfolio, written reports/papers, exams, quizzes, simulators, and/or tutorial software.

Course Objectives and/or Competencies:

Introduction to Maternity & Pediatric Nursing

<table>
<thead>
<tr>
<th>The Past, Present and Future Course Objectives</th>
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</thead>
<tbody>
<tr>
<td>• Define each key term listed</td>
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<tr>
<td>• Contrast present-day concepts of maternity and child care with those of the past</td>
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<td>• List three environmental stresses on the childbearing family.</td>
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<td>• List four reasons why statistics are important.</td>
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<td>• Discuss how culture affects childbirth and child care.</td>
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<td>• List the five steps of the nursing process.</td>
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<td>• Recall the contributions of persons in history to the fields of maternity and pediatric care.</td>
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<td>• Name two international organizations concerned with maternity and child care.</td>
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<td>• List three federal programs that assist mothers and infants.</td>
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<td>• Define the role of the community-based nurse as a health care provider to mothers and children.</td>
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<tr>
<td>• List the organizations concerned with setting standards for the nursing care of maternity and pediatric patients.</td>
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<td>• State the influence of the federal government on maternity and pediatric care.</td>
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<td>• Discuss common terms used in expressing vital statistics.</td>
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<td>• Contrast a nursing care plan with a clinical pathway</td>
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<tr>
<td>• Define the Nursing Interventions Classification (NIC) and its relationship to the nursing process.</td>
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<tr>
<td>• Describe the Nursing Outcomes Classification (NOC) and its influence on the nursing process.</td>
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<tr>
<td>• Compare and contrast nursing and medical diagnosis frameworks with focus on North American Nursing Diagnosis Association (NANDA) taxonomy.</td>
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<td>• Define critical thinking</td>
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<tr>
<td>• Discuss the role of critical thinking in the nursing process and in clinical judgment.</td>
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<tr>
<td>• Discuss the role of critical thinking as it relates to test taking and lifelong learning.</td>
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<td>• Discuss the roles and functions of a school nurse.</td>
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<td>• Describe the role of the community health nurse as a health care provider.</td>
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</table>
### Human Reproductive Anatomy and Physiology

**Course Objectives**

- Define each key term listed.
- Describe the changes of puberty in males and females.
- Identify the anatomy of the male reproductive system.
- Explain the functions of the external and internal male organs in human reproduction.
- Describe the influence of hormones in male reproductive processes.
- Identify the anatomy of the female reproductive system.
- Explain the functions of the external, internal and accessory female organs in human reproduction.
- Explain the menstrual cycle and the female hormones involved in the cycle.
- Discuss the importance of the pelvic bones to the birth process.

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### Prenatal Development

**Course Objectives**

- Define each key term listed.
- Describe the process of gametogenesis in human reproduction.
- Explain human fertilization and implantation.
- Describe embryonic development.
- Describe fetal development and the maturation of body systems.
- Describe the development and functions of the placenta, the umbilical cord and the amniotic fluid.
- Compare fetal circulation to circulation after birth.
- Explain the similarities and differences in the two types of twins.

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### Prenatal Care and Adaptations to Pregnancy

**Course Objectives**

- Define each key term listed.
- Calculate the expected date of delivery and duration of pregnancy.
- Differentiate among the presumptive, probable & positive signs of pregnancy.
- List the goals of prenatal care.
- Discuss prenatal care for a normal pregnancy.
- Explain the nurse’s role in prenatal care.
- Describe the physiological changes during pregnancy.
- Identify nutritional needs for pregnancy and lactation.
- Describe patient education related to common discomforts of pregnancy.
- Discuss nursing support of emotional changes that occur in a family during pregnancy.
- Identify special needs of the pregnant adolescent, the single parent and the older couple.
- Discuss the importance and limitations of exercise in pregnancy.
- Apply the nursing process in developing a prenatal teaching plan.
Nursing Care of Women With Complications During Pregnancy

Course Objectives

- Define each key term listed
- Explain the use of fetal diagnostic tests in women with complicated pregnancies
- Describe antepartum complications, their treatment and their nursing care
- Identify methods to reduce a woman’s risk for antepartum complications
- Discuss the management of concurrent medical conditions during pregnancy
- Describe environmental hazards that may adversely affect the outcome of pregnancy
- Describe how pregnancy affects care of the trauma victim.
- Describe psychosocial nursing interventions for the woman who has a high-risk pregnancy and for her family.

Nursing Care of Mother and Infant During Labor & Birth

Course Objectives

- Define each key term listed
- Describe the four components ("four P’s") of the birth process: powers, passage, passenger and psyche
- Describe how the four P’s of labor interrelate to result in the birth of an infant
- Explain the normal processes of childbirth: premonitory signs, mechanisms of birth and stages and phases of labor.
- Explain how false labor differs from true labor
- Compare the advantages and disadvantages for each type of childbearing setting: hospital, freestanding birth center and home.
- Determine the appropriate nursing care for the intrapartum patient, including the woman in false labor and the woman having a vaginal birth after cesarean (VBAC)
- Explain common nursing responsibilities during the birth.
- Discuss specific cultural beliefs the nurse may encounter when providing care to a woman in labor
- Describe the care of the newborn immediately after birth
### Nursing Management of Pain During Labor & Birth

**Course Objectives**

- Define each key term listed.
- Describe factors that influence a woman’s comfort during labor.
- List the common types of classes offered to childbearing families.
- Describe the methods of childbirth preparation.
- Discuss the advantages and limitations of nonpharmacological methods of pain management during labor.
- Discuss the advantages and limitations of pharmacological methods of pain management.
- Explain nonpharmacological methods of pain management for labor, including the nursing role for each.
- Explain each type of pharmacological pain management, including the nursing role for each.

### Nursing Care of Women With Complications During Labor & Birth

**Course Objectives**

- Define each key term listed
- Describe each obstetric procedure discussed in this chapter.
- Explain the nurse’s role in each obstetric procedure
- Describe factors that contribute to an abnormal labor.
- Explain each interpartum complication discussed in this chapter.
- Explain the nurse’s role in caring for women having each intrapartum complication.

### The Family After Birth

**Course Objectives**

- Define each key term listed
- Describe how to individualize postpartum and newborn nursing care for different patients.
- Describe specific cultural beliefs that the nurse may encounter when providing postpartum and newborn care.
- Describe postpartum changes in maternal systems and the nursing care associated with those changes.
- Modify nursing assessments and interventions for the woman who has a cesarean birth
- Explain the emotional needs of postpartum women and their families.
- Describe the nursing care of the normal newborn.
- Describe nursing interventions to promote optimal infant nutrition.
- Identify signs and symptoms that may indicate a complication in the postpartum mother or infant.
- Plan appropriate discharge teaching for the postpartum woman and her infant
### Nursing Care of Women With Complications Following Birth

**Course Objectives**

- Define each key term listed
- Describe signs and symptoms for each postpartum complication.
- Identify factors that increase a woman’s risk for developing each complication.
- Explain nursing measures that reduce a woman’s risk for developing specific postpartum complications.
- Describe additional problems that may result from the original postpartum complication.
- Describe the medical management of postpartum complications.
- Explain general and specific nursing care for each complication.

### The Nurse’s Role in Women’s Health Care

**Course Objectives**

- Define each key term listed
- Explain aspects of preventive health care for women.
- Describe each menstrual disorder and its care.
- Explain each gynecological infection in terms of cause, transmission, treatment and care.
- Describe the various methods of birth control, including side effects and contraindications of each method.
- Describe how to use natural family planning methods for contraception or infertility management.
- Describe possible causes and treatment of infertility.
- Explain the changes that occur during the perimenopausal period and after menopause.
- Explain the medical and nursing care of women who are nearing or have completed menopause.
- Discuss the medical and nursing care of women with pelvic floor dysfunction or problems related to benign growths in the reproductive tract.

### The Term Newborn

**Course Objectives**

- Define each key term listed
- Briefly describe three normal reflexes of the neonate, including the approximate age of their disappearance.
- State four methods of maintaining the body temperature of a newborn.
- State the cause and appearance of physiological jaundice in the newborn.
- Define the following skin manifestations in the newborn: lanugo, vernix caseosa, mongolian spots, mila, acrocyanosis, and desquamation.
- State the methods of preventing infection in newborns.
Pre-term and Post-term Newborns

Course Objectives

- Define each key term listed
- Differentiate between the pre-term and the low birth weight newborn.
- List three causes of pre-term birth
- Describe selected problems of preterm birth and the nursing goals associated with each problem.
- Contrast the techniques for feeding preterm and full-term newborns.
- Describe the symptoms of cold stress and methods of maintain thermoregulation
- Discuss two ways to help facilitate maternal-infant bonding for a preterm newborn.
- Describe the family reaction to preterm infants and nursing interventions.
- List three characteristics of the post-term infant.

The Newborn With a Perinatal Injury or Congenital Malformation

Course Objectives

- Define each key term listed
- List and define the more common disorders of the newborn
- Describe the classifications of birth defects
- Outline the nursing care for the infant with hydrocephalus
- Discuss the prevention of neural tube anomalies
- Outline the preoperative and postoperative nursing care of a newborn with spinal bifida cystic
- Discuss the dietary needs of an infant with phenylketonuria
- Describe the symptoms of increased intracranial pressure
- Differentiate between cleft lip and cleft palate
- Discuss the early signs of dislocation of the hip
- Discuss the care of the newborn with Down Syndrome
- Outline the causes and treatment of hemolytic disease of the newborn (erythroblastosis fetalis).
- Devise a plan of care for an infant receiving phototherapy
- Describe home phototherapy

Course Outline or Schedule:

COURSE GOALS:

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

1. Discuss physiological and psychological needs of the childbearing family. C7, C11, C14
2. Identify diseases, symptoms, etiology and treatments related to obstetrical and neonatal nursing. C5-C7, F1, F8, F9
3. Understand the normal reproductive roles of parents. C7, F1
4. Identify complications and nursing interventions for specific obstetrical complications. C5-C7, F8-F9
COURSE OUTLINE

1. The history of maternity nursing
2. Human Reproductive Anatomy and Physiology
3. Prenatal Development
4. Prenatal Care and Adaptations to Pregnancy
5. Nursing Care of Women with Complications during pregnancy
6. Nursing Care during Labor & Birth
7. Nursing Management of Pain during Labor & Birth
8. Nursing Care of Women with Complications during Labor & Birth
9. The Family After Birth
10. Nursing Care of Women with complications following birth
11. The Nurse’s Role in Women’s Health Care
12. The Term Newborn
13. Pre-term and Post-term Newborns
14. The Newborn with a Congenital Malformation

COURSE OBJECTIVES;

Upon completion of VNSG 1330, the student will have the opportunity to:

1. Identify the bio-psycho-socio-cultural needs of the childbearing family.
2. Identify diseases, symptoms, etiology and treatments related to obstetrical and neonatal nursing.
3. Understand the normal reproductive role of parents.
4. Identify complications and nursing interventions for specific obstetrical complications.
5. Utilize the nursing process when caring for neonatal patients.
6. Utilize the nursing process for care of prenatal, laboring and postpartum patients.

PLAN OF INSTRUCTION:

- Instruction will include assigned readings and projects, lecture, power point, videos, written assignments, case studies and group work and computer assisted instruction.

SCANS Skills

The following SCANS competencies and foundations skills are used in VNSG 1330:

C5-C7, C11, C14, F1, F8-F9
Course Grading Information:

Cheating:

- We strongly discourage cheating in any form.

Grading Policy:

- No grades will be rounded. The grading scale is:
  
<table>
<thead>
<tr>
<th>Grade</th>
<th>Range</th>
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<tbody>
<tr>
<td>A</td>
<td>90-100</td>
</tr>
<tr>
<td>B</td>
<td>80-89.99</td>
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<tr>
<td>C</td>
<td>75-79.99</td>
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<tr>
<td>F</td>
<td>74 &amp; below</td>
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- Major tests:
  - Tests at the discretion of the instructor
  - Major test dates will be announced at least two days prior to the date to be given if a change is made on the tentative schedule
  - All students are expected to take major tests as scheduled
  - In the event of absence on a scheduled major test day, an alternate major test may be given as a makeup
  (continued next page)
  - Makeup test will be limited to one (1) per semester. Late arrivals distract those who are already concentrating on the test. Students, arriving after another student has completed the test and left the room, will take a makeup test. If more than one (1) test is missed, a zero (0) will be recorded for the grade.
  - Makeup tests will be given at the end of the semester
  - The number of tests will be determined by the instructor. The date of the tests will be announced by the instructor.

- Final Exam:
  - If the final exam is missed, an alternate test may be given as a makeup test.

  - How to calculate your grade: 
    
    $\text{Example: } \frac{75 \times 4 + 85 \times 3 + 78 \times 2 + 85 \times 1}{323}$

BEEPERS, CELLULAR TELEPHONES & PERSONAL PHONE CALLS

- All beepers and cellular telephones must be turned off at the beginning of class. NO TEXT MESSAGING IS ALLOWED. The student will be notified of an emergency telephone call by the Health Careers Secretary. No personal calls will be accepted.
Late Work, Attendance, and Make Up Work Policies:

ATTENDANCE:

- Regular and punctual attendance is expected of all students.
- The student will not exceed 20% of the scheduled class days if student has exceeded 16 hrs. from VNSG 1330.
- Students are expected to be alert and participatory in class
- Students are responsible for all material presented or assigned during the course regardless of being present or absent from class
- All students are expected to be respectful of others in the classroom

EXPERIENCES:

STUDENTS WITH DISABILITIES:

In accordance with the requirements of the Americans with Disabilities Act (ADA) and the regulations published by the U.S. Department of Justice 28 C.F.R. 35.107(a), MCC’s designated ADA co-coordinators, Mr. Gene Gooch, Vice President, Finance and Administration and Dr. Santos Martinez, Vice President, Student Services shall be responsible for coordinating the College’s efforts to comply with and carry out its responsibilities under ADA. Students with disabilities requiring physical, classroom or testing accommodations should contact Renee Jacinto, Disabilities Specialist at 299-8122 or rrjacinto@mclennan.edu.

ACADEMIC INTEGRITY:

The center for Academic Integrity, of which McLennan Community College is a member, defines academic integrity as “a commitment, even in the face of adversity, to five fundamental values: honesty, trust, fairness, respect and responsibility. From these values flow principles of behavior that enable academic communities to translate ideals into action.” Individual faculty members determine their class policies and behavioral expectations for students. Students who commit violations of academic integrity should expect serious consequences. For further information about student responsibilities and rights, please consult the McLennan website and your Highlander Student Guide.

Student Behavioral Expectations or Conduct Policy:

For example: “Students are expected to maintain classroom decorum that includes respect for other students and the instructor, prompt and regular attendance and an attitude that seeks to take full advantage of the education opportunity.”
**MCC Academic Integrity Statement:**

The Center for Academic Integrity, of which McLennan Community College is a member, defines academic integrity as “a commitment, even in the face of adversity, to five fundamental values: honesty, trust, fairness, respect, and responsibility. From these values flow principles of behavior that enable academic communities to translate ideals into action.” Individual faculty members determine their class policies and behavioral expectations for students. Students who commit violations of academic integrity should expect serious consequences. For further information about student responsibilities and rights, please consult the McLennan website and your Highlander Student Guide.

**LIABILITY STATEMENT:**

McLennan Community College, its staff and/or clinical facility and staff are not financially liable for illness, injury, or medical expense that may occur in the Vocational Nursing Program. It is the student’s responsibility to provide adequate health care by medical insurance or other means.

**“SUBJECT TO CHANGE” DISCLAIMER:**

The policies, regulations, procedures and fees associated with the Vocational Nursing Program are subject to change without prior notice, if necessary, to keep College and Program policies in compliance with State and Federal laws and/or with rules related to the program’s accrediting agency.

The College and the Vocational Nursing Program reserve the right to change curricula, rules, fees and other requirements, of whatever kind, affecting students in any way. The provisions of this document do not constitute a contract, express or implied, between any applicant, student, faculty or staff member and McLennan Community College or the Vocational Nursing Program.

**MCC Attendance Policy:**

Regular and punctual attendance is expected of all students, and each instructor will maintain a complete record of attendance for the entire length of each course, including online and hybrid courses. Students will be counted absent from class meetings missed, beginning with the first official day of classes. Students, whether present or absent, are responsible for all material presented or assigned for a course and will be held accountable for such materials in the determination of course grades.

Please refer to the [Highlander Guide](#) for the complete policy.
ADA Statement:

In accordance with the requirements of the Americans with Disabilities Act (ADA), and the regulations published by the United States Department of Justice 28 C.F.R. 35.107(a), MCC’s designated ADA coordinator, Mr. Gene Gooch - Vice President, Finance and Administration shall be responsible for coordinating the College’s efforts to comply with and carry out its responsibilities under ADA. Students with disabilities requiring physical, classroom, or testing accommodations should contact Ms. Renee Jacinto, Disabilities Specialist, Student Services Center, Student Development Department, Room 227 or at 299-8122 or rrjacinto@mclennan.edu

TITLE IX

“No person in the United States shall, on the basis of sex, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any education program or activity receiving Federal financial assistance.”

Legal Citation: Title IX of the Education Amendments of 1972, and its implementing regulation at 34 C. F. R. Part 106 (Title IX)

In accordance with the requirements of the Title IX Education Amendments of 1972 MCC’s designated Title IX Coordinator, Al Pollard – Vice President, Program Development/EEO Officer and Deputy Coordinator, Phyllis Blackwood – Director of Human Resources shall be responsible for coordinating the College’s effort to comply with and carry out its responsibilities under Title IX.

Contact Information

Al Pollard, Title IX Coordinator
Vice President, Program Development
McLennan Community College
Administration Building, Room 408
1400 College Drive
254-299-8669
FAX 254-299-8654
apollard@mclennan.edu

Phyllis Blackwood, Title IX Deputy Coordinator
Director, Human Resources
McLennan Community College
Administration Building, Room 101
1400 College Drive
254-299-8659
FAX 254-299-8592
pblackwood@mclennan.edu