



El Camino College  
COURSE OUTLINE OF RECORD – Official

<b>Course Acronym:</b>	NURS
<b>Course Number:</b>	232
<b>Descriptive Title:</b>	Obstetrical Patients and the Newborn
<b>Division:</b>	Health Sciences and Athletics
<b>Department:</b>	Nursing
<b>Course Disciplines:</b>	Nursing
<b>Catalog Description:</b>	This course focuses on the theory and practical application of concepts related to obstetrical patients and the newborn. The nursing process will be utilized as the foundation of study and emphasis will be placed on the concepts of reproduction, health promotion, self-management, infection, technology & informatics, thermoregulation, perfusion, human sexuality, nutrition culture, and social/ethical aspects. The student will gain a conceptual understanding of principles in all areas specific to the obstetrical patient and the newborn.
<b>Prerequisite:</b>	Nursing 220 AND Nursing 222 AND Nursing 224 AND Nursing 226 With a minimum grade of C
<b>Co-requisite:</b>	
<b>Recommended Preparation:</b>	
<b>Enrollment Limitation:</b>	Students must be admitted into the Nursing Program
<b>Hours Lecture (per week):</b>	1.5
<b>Hours Laboratory (per week):</b>	3
<b>Outside Study Hours:</b>	3
<b>Total Course Hours:</b>	81
<b>Course Units:</b>	2.5
<b>Grading Method:</b>	Letter Grade only
<b>Credit Status:</b>	Credit, degree applicable
<b>Transfer CSU:</b>	Yes
<b>Effective Date:</b>	Fall 2019
<b>Transfer UC:</b>	No

<b>Effective Date:</b>	
<b>General Education: ECC</b>	
<b>Term:</b>	
<b>Other:</b>	
<b>CSU GE:</b>	
<b>Term:</b>	
<b>Other:</b>	
<b>IGETC:</b>	
<b>Term:</b>	
<b>Other:</b>	
<b>Student Learning Outcomes:</b>	<p><b>SLO #1 Nursing Process</b></p> <p>The student will apply the nursing process in the care of childbearing women and the childbearing family.</p> <p><b>SLO #2 Assessment</b></p> <p>The student will perform focused assessments on newborn and postpartum patients in the clinical setting.</p> <p><b>SLO #3 Evidence Based Practice</b></p> <p>The student will examine evidence-based practice guidelines to compare and contrast clinical implementation of such guidelines in the perinatal population.</p>
<b>Course Objectives:</b>	<ol style="list-style-type: none"> <li>1. Explain conception and prenatal development, including, but not limited to the placenta, umbilical cord, and fetal membranes.</li> <li>2. Identify adaptations to pregnancy including, but not limited to antepartum assessment and care, maternal responses, maternal role transition, nutrition, paternal adaptation, and indications for fetal prenatal diagnostic tests.</li> <li>3. Summarize the process of giving birth including, but not limited to the four stages of labor, positioning of patient, fetal presentation, and pain management options.</li> <li>4. Illustrate the components of intrapartum fetal surveillance and identification of the client with an intrapartum complication including, but not limited to dysfunctional labor. premature rupture of membranes, and prolonged pregnancy.</li> <li>5. Demonstrate a focused maternal exam and explain the physiologic changes that occur during the postpartum period.</li> </ol>

	<ol style="list-style-type: none"> <li>6. Compare nursing interventions during obstetric procedures that include, but are not limited to, forceps, vacuum, vaginal delivery, cesarean delivery, and vaginal birth after cesarean.</li> <li>7. List postpartum adaptations and complications for cesarean and vaginal deliveries, including, but not limited to bonding and attachment, family adaptation, maternal role attainment, hemorrhage, shock, and thromboembolic disorders.</li> <li>8. Explain the adaptation and assessment of the normal newborn during performance of newborn assessment, including comparison of various types of newborn feeding, the problems related to gestational age and acquired congenital conditions in the high-risk newborn.</li> <li>9. Identify the childbearing family with special needs, including, but not limited to, adolescent pregnancy, delayed regnancy, and substance abuse.</li> <li>10. Classify pregnancy related complications and concurrent disorders during pregnancy including, but not limited to hyperemesis gravidarum, gestational diabetes, heart disease, anemias, abortion, and abruption.</li> <li>11. Plan care for the client with an intrapartum complication including, but not limited to dysfunctional labor, premature rupture of membranes, and prolonged pregnancy.</li> <li>12. Summarize the maternal, fetal, and neonatal effects of the most common infections that may occur during pregnancy.</li> </ol>
<p><b>Major Topics:</b></p>	<p><b>I. Reproduction (13.5 hours, lecture)</b></p> <ol style="list-style-type: none"> <li>A. Antepartum care</li> <li>B. Intrapartum care</li> <li>C. Postpartum care</li> <li>D. Newborn Care</li> <li>E. Prematurity</li> <li>F. Gestational Conditions <ol style="list-style-type: none"> <li>1. Gestational diabetes</li> <li>2. Gestational hypertension</li> <li>3. Preeclampsia</li> </ol> </li> <li>G. Eclampsia</li> </ol> <p><b>II. Health Promotion (1.5 hours, lecture)</b></p> <ol style="list-style-type: none"> <li>A. General prenatal care</li> <li>B. Vaccinations</li> <li>C. Abstinence from smoking, alcohol, and other drugs</li> </ol>

- D. Ultrasound screening
- E. Rh factor & antibody screening
- F. Sexually transmitted infection screening

**III. Self Management (1 hour, lecture)**

- A. Prenatal care
- B. Premature rupture of membranes
- C. Weight gain during pregnancy
- D. Premature labor
- E. Depression

**IV. Infection (2.75 hours, lecture)**

- A. Chorioamnionitis
- B. Measles
- C. Mumps
- D. Hepatitis B
- E. Herpes Genitalis
- F. Human Immunodeficiency Virus (HIV)
- G. Human Papillomavirus (HPV)
- H. Gonorrhea
- I. Chlamydia
- J. Group B Streptococcus
- K. Syphilis

**V. Technology & Informatics (0.5 hours, lecture)**

- A. Electronic fetal monitoring
- B. Electronic health records

**VI. Thermoregulation (1 hour, lecture)**

- A. Newborn hypothermia

**VII. Perfusion (1.75 hours, lecture)**

- A. Disseminated intravascular coagulation (DIC)
- B. Hemolysis, Elevated Liver enzymes, and Low Platelet (HELLP) Syndrome
- C. Abruptio placentae
- D. Uterine rupture
- E. Prolapsed umbilical cord
- F. Postpartum hemorrhage
- G. Dystocia

**VIII. Nutrition (2 hours, lecture)**

- A. Phenylketonuria
- B. Folic acid supplementation
- C. Prenatal and postnatal dietary requirements
- D. Breastfeeding

- E. Hyperemesis gravidarum

**IX. Culture (1 hour, lecture)**

- A. Cultural diversity
- B. Childrearing practices
- C. Gender roles
- D. Caregiver roles

**X. Social/Ethical Aspects (2 hours, lecture)**

- A. Abortion
- B. Assisted reproduction
- C. Emergency contraception
- D. Prenatal genetic testing
- E. Severely impaired newborns
- F. Withholding or withdrawal of life support

**XI. Pre-Clinical Conference (1 hour, lab)**

- A. Discuss Plan of Care (POC) for the day

**XII. Clinical Orientation (10 hours, lab)**

- A. Hospital specific orientation
- B. Electronic Medical Record (EMR) training
- C. Newborn assessment
- D. Maternal assessment
- E. High-risk Obstetrical (OB) presentation
- F. Contraceptive in-service

**XIII. Clinical Lab (20 hours, lab)**

- A. Labor and delivery
- B. Postpartum
- C. Newborn Nursery

**XIV. Clinical Lab (14 hours, lab)**

- A. Newborn Intensive Care Unit (NICU)
- B. Antepartum

**XV. Post Conference (1 hour, lab)**

- A. Discuss experience throughout the clinical day

**XVI. Simulation Lab (8 hours, lab)**

- A. Assist with normal vaginal delivery in a simulated environment
- B. Newborn assessment

<b>Total Lecture Hours:</b>	27
<b>Total Laboratory Hours:</b>	54
<b>Total Hours:</b>	81
<b>Primary Method of Evaluation:</b>	1) Substantial writing assignments
<b>Typical Assignment Using Primary Method of Evaluation:</b>	Read the case study distributed in class. Utilize the five steps of the nursing process to formulate a care plan for the patient described in the case study. Develop three nursing diagnoses based on the information provided and create a plan of care.
<b>Critical Thinking Assignment 1:</b>	Formulate and develop a written Nursing Care Plan for a patient with pregnancy-induced hypertension who is being admitted for induction of labor. Assess and evaluate each of the client's basic needs evidenced by subjective and objective data, select nursing diagnoses, plan short-term and long-term goals and outcomes, describe appropriate nursing interventions, and list evaluative data that will determine if the client's goals are met.
<b>Critical Thinking Assignment 2:</b>	Assess the patient's learning needs regarding breastfeeding of her newborn infant. Develop a health teaching plan that considers and includes the patient's personal preferences and the family dynamics.
<b>Other Evaluation Methods:</b>	Class Performance, Completion, Essay Exams, Homework Problems, Matching Items, Multiple Choice, Objective Exam, Other (specify), Performance Exams, Quizzes, Term or Other Papers, True/False
<b>Instructional Methods:</b>	Demonstration, Discussion, Group Activities, Guest Speakers, Lab, Lecture, Multimedia presentations, Role play/simulation
<b>If other:</b>	
<b>Work Outside of Class:</b>	Answer questions, Other (specify), Problem solving activity, Required reading, Skill practice, Study, Written work (such as essay/composition/report/analysis/research)
<b>If Other:</b>	ATI Reading and review
<b>Up-To-Date Representative Textbooks:</b>	McKinney, E., James, S., Murray, S., Nelson, K. & Ashwill, J. <i>Maternal-Child Nursing</i> . Missouri: Elsevier, 2018.  American Psychological Association. <i>Publication Manual of the American Psychological Association</i> . 6th ed. Washington, DC: APA, 2009. (Discipline Standard)
<b>Alternative Textbooks:</b>	
<b>Required Supplementary Readings:</b>	
<b>Other Required Materials:</b>	Assessment Technologies Institute (ATI) eBook on the ATI website  <a href="https://www.atitesting.com/Home.asp">https://www.atitesting.com/Home.asp</a>  State of California Board of Registered Nursing (2017). California nursing practice act with regulations and related statutes. Charlottesville, VA: LexisNexis

<b>Requisite:</b>	Prerequisite
<b>Category:</b>	sequential
<b>Requisite course(s): List both prerequisites and corequisites in this box.</b>	Nursing-220 AND Nursing-222 AND  Nursing-224 AND  Nursing-226
<b>Requisite and Matching skill(s): Bold the requisite skill. List the corresponding course objective under each skill(s).</b>	<p><b>Students must have fundamental nursing skills to advance.</b></p> <p>NURS 220 - Identify and apply an understanding of professional nursing roles and legal ethical nursing standards.</p> <p>NURS 220 - Demonstrate and practice the principles of medical and surgical asepsis.</p> <p>NURS 220 - Identify the steps of the nursing process by relating how it applies to nursing care.</p> <p>NURS 220 - Apply the use of the nursing process in formulating nursing care plans.</p> <p>NURS 220 - Utilize the nursing process to safely demonstrate nursing skills.</p> <p>NURS 220 - Demonstrates the skills necessary to safely care for patients.</p> <p>NURS 220 - Identify safety issues related to patient care.</p> <p>NURS 220 - Identify Maslow's and Kalish's and Watson's theoretical principles and how they affect the care of the patient.</p> <p>NURS 220 - Utilize evidence-based information from this course and research related findings in the application of fundamental nursing care.</p> <p>NURS 220 - Analyze the physiological basis of selected disease processes.</p> <p><b>Students will demonstrate use of the nursing process in caring for adult and aging patients by collecting and organizing patient health data to formulate and carry out a plan of care.</b></p> <p>NURS 222 - Identify the legal and ethical responsibilities of a nurse.</p> <p>NURS 222 - Distinguish between the common physical changes seen in aging and pathological conditions seen in the older adult population.</p> <p>NURS 222 - Utilize the nursing process by collecting and organizing patient data to develop a plan of care.</p> <p>NURS 222 - Integrate use of the nursing process, professional behavior, and evidence-based practice in the delivery of patient-centered care to adults with health problems.</p>

	<p>NURS 222 - Communicate with patients using professional and therapeutic techniques in a health care setting.</p> <p><b>The student must apply principles of drug therapy while monitoring the patient for appropriate responsiveness to the drug.</b></p> <p>NURS 224 - Analyze a patient's response to drug therapy.</p> <p>NURS 224 - Apply principles of therapy with major drug groups in relation to drug selections, dosage, route and use in selected populations.</p> <p><b>Apply principles of drug therapy in relation to drug safety, dosage, route and use in selected populations.</b></p> <p>NURS 226 - Perform skills in a professional manner, utilizing legal/ethical concepts.</p> <p>NURS 226 - Apply effective therapeutic communication techniques during the practice and performance of skills.</p> <p>NURS 226 - Prepare and administer medications via the parenteral routes.</p>
<b>Requisite Skill:</b>	
<b>Requisite Skill and Matching Skill(s): Bold the requisite skill(s). If applicable</b>	
<b>Requisite course:</b>	
<b>Requisite and Matching skill(s): Bold the requisite skill. List the corresponding course objective under each skill(s).</b>	
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<b>Enrollment Limitations and Category:</b>	Students must be admitted into the Nursing Program
<b>Enrollment Limitations Impact:</b>	
<b>Course Created by:</b>	
<b>Date:</b>	05/10/2018



<b>Original Board Approval Date:</b>	07/16/2018
<b>Last Reviewed and/or Revised by:</b>	Shiny Johnson
<b>Date:</b>	05/10/2018
<b>Last Board Approval Date:</b>	12/19/2022