COURSE DESCRIPTION:

In this course, the student continues to use the framework of Watson’s caring model in meeting the growth seeking needs of childbearing clients and their growing families. Emphasis is on family-centered health care and health teaching of childbearing clients and families in ambulatory and inpatient care settings. Students use the nursing process to organize care for clients with alterations in growth-seeking needs.

PREREQUISITES: NUR 2110, NUR 2130

CREDITS: 5 Credits

HOURS: 3 class hours, 6 clinical hours

COURSE OUTCOMES NUR 2230:

1. Incorporate knowledge and skills from the communication arts, information technology, social and biological sciences and previous nursing courses in caring for the childbearing family with growth seeking needs

2. Evaluate caring behaviors in the management of clients and families with growth seeking needs in community and acute care settings.

3. Integrate the nursing process as a creative problem solving approach to provide client-centered care to culturally diverse clients with growth seeking needs.

4. Incorporate evidence-based practice using critical thinking in decision-making situations for clients with growth-seeking needs.

5. Integrate concepts of effective communication when interacting with clients, families, significant others and health care providers.

6. Evaluate health teaching for clients and families with growth-seeking needs along the health-illness-healing continuum.

7. Collaborate with client, family, and health care providers in creating a safe, supportive and/or corrective environment for clients with alterations in growth seeking needs.
8. Apply legal and ethical standards that promote the safety, independence and of clients and families with growth seeking needs.

9. Demonstrate accountability by utilizing quality improvement concepts in managing the nursing care of clients and families with growth seeking needs.

10. Participate as a client advocate when caring for clients and families with growth seeking needs.

11. Display an active interest in life-long activities and professional organizations, which impact the delivery of health care.


**COMPREHENSIVE FINAL EXAM will be given on one of the uniform final days.**

**TEACHING/LEARNING METHODS:**

<table>
<thead>
<tr>
<th>Audio-Visual Aids</th>
<th>Exam Review</th>
<th>Pre-Post Clinical Conferences</th>
</tr>
</thead>
<tbody>
<tr>
<td>Birthing Simulator</td>
<td>Informatics</td>
<td>Quality Improvement</td>
</tr>
<tr>
<td>Blackboard</td>
<td>Internet Technology</td>
<td>Student Client Interaction</td>
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<tr>
<td>College Laboratory</td>
<td>Lecture/Discussion</td>
<td>Tutorial</td>
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<tr>
<td>Evidence-based practice</td>
<td>PDA</td>
<td>Written Clinical Assignments</td>
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<td>Presentations</td>
</tr>
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</table>

**CLINICAL AGENCIES**

- City Hospital Center at Elmhurst
- Kings County Hospital Center
- Lutheran Medical Center
- Maimonides Medical Center
- Woodhull Hospital

**EVALUATION AND GRADING***

**Theory:** Three unit exams = 60% of course grade (20% each).

Comprehensive Final Examination = 40% of course grade.

**Clinical:** LABORATORY: Satisfactory/Unsatisfactory
COURSE

To graduate, a student must achieve a minimum grade of 75% (C) in theory, a grade of (S) satisfactory clinical grade also adhere to Nursing Department policies and NYCCT policies. All written assignments must be completed satisfactorily; not plagiarized and submitted on time. The student will be dismissed from the Department of Nursing/Nursing Program if he/she is found cheating (either receiving or providing answers). Student is expected to complete six hours of community service. The completed service requirement form is due by the 12th week of each semester.

Student is required to participate in the Kaplan NCLEX Preparation and Tutorial course given during the semester at a cost to be announced (TBA).

In addition, all 4th semester graduating seniors will be required to pay for and complete the Kaplan NCLEX Preparation for and Review for NCLEX program at an additional fee (TBA).

All Kaplan assignments and Focused Exams must be completed and signed by an Advisor.

*Refer to Student Handbook for complete information regarding policy on Evaluation/Grading.

AMERICANS WITH DISABILITIES ACT

If you have a physical, psychological, medical or learning disability that may impact on your ability to carry out assigned course work, I would urge that you contact the staff in the Student Support Services office (SSS), Room A 237, 718.260.5143. SSS will review your concerns and determine with you what accommodations are necessary and appropriate. All information and documentation of disability are confidential.

NEW YORK CITY COLLEGE OF TECHNOLOGY POLICY ON ACADEMIC INTEGRITY

Students and all others who work with information, ideas, texts, images, music, inventions, and other intellectual property owe their audience and sources accuracy and honesty in using, crediting, and citing sources. As a community of intellectual and professional workers, the College recognizes its responsibility for providing instruction in information literacy and academic integrity, offering models of good practice, and responding vigilantly and appropriately to infractions of academic integrity. Accordingly, academic dishonesty is
prohibited in The City University of New York and at New York City College of Technology
and is punishable by penalties, including failing grades, suspension, and expulsion. The complete
text of the College policy on Academic Integrity may be found in the catalog.

**Technology Prerequisites**

You must be able to log on to Blackboard, and have a City Tech email account. Personal email
accounts are not to be used and will not receive a response from faculty. Student training if
needed, is available in the open student lab in the G Building, sixth floor, room G600.
The phone number is 718 254-5610.
The Help Desk number is 718 254-8565
The Email Address is itms@citytech.cuny.edu.

**REQUIRED TEXTS:**

Lippincott Co.

Philadelphia: F.A. Davis.

Mosby Co.


Maryland: Mosby Elsevier.

Davis.

Smeltzer, S. & Bare, B. (2008). *Brunner and suddarth’s textbook of medical-surgical

e-books:

Lippincott’s Nursing Drug Guide Mobile/Desktop Bundle

Manual of Lab & Diagnostic Tests Mobile/Desktop Bundle

Taber’s Cyclopedia Medical Dictionary mobile/desktop
NUR 2230 COURSE CONTENT

UNIT 1: Nursing Care of Clients and Families with Growth-Seeking Needs
UNIT II & III: Nursing Care of Clients and Families during the Ante-partum and Intrapartum
UNIT IV: Postpartum.
UNIT V: Newborn Period.
UNIT VI: Nursing Care of Clients and Families at Risk during the Antepartum, Intrapartum, Postpartum and Newborn Period.

TOPICAL OUTLINE

Nursing Care of Clients and Families with Growth-Seeking Needs.

WEEK 1 Lecture and Lab
21st Century Maternity Nursing:
Culturally competent, Family and Community focused:
Reproductive years
- High cost of healthcare.
- Limited access to care.
- Low birth weight and preterm birth.
- Care during pregnancy and childbirth.
- Childbirth practices.
- Risk management.
- Sentinel events.
- Legal and ethical standards related to the practice of family-centered maternal care.
- Ethical issues in Perinatal Nursing
- Family Nursing.

Developing Cultural Competence
- Introduction to Coordinated Undergraduate Education (CUE).
- Introduction to “Baby Safe Haven”.
- Erikson’s theory as applied to the client at different stages of development.
- Cultural considerations related to childbearing.
- Spiritual beliefs related to childbearing.
- Psychological and developmental readiness for childbearing.
- Physical readiness for childbearing.
Assessment and Health Promotion

WEEK 2  Structure and Functions of the Reproductive System

- Contraception.
- Abortion.
- Fertility/Infertility.
- Structural Problems and Infection.
- Sexually transmitted infections.
- Domestic Violence and abuse
- Substance Abuse.
- Medical Conditions.
- Intimate Partner Violence.

WEEK 3  Nursing Care of Clients and Families during the Antepartal Period

Diagnosis of Pregnancy:
- Presumptive, Probable, and Positive signs.
- Conception and fetal development.
- Physical and psychological changes of pregnancy.
- Developmental Tasks of Pregnancy.
- Antepartal Nursing Assessment:
  - Initial Antepartal Assessment.
  - Subsequent Antepartal Assessment.
- Self care measures during pregnancy:
  - Activity and Rest; Breast Care and Breastfeeding; Clothing; Dental Care; Employment; Exercise and Preparation for Childbirth (Lamaze); Hygiene; Nutrition; Sexual Activity; Travel; Use of Alcohol and Smoking.
- Integrate the nursing process with management principles in delivery of the antepartal client-centered care to culturally diverse clients.
- Community and Home Health Care Nursing.

WEEK 4  EXAM 1 followed by:

Nursing Care of Clients and Families during the Intrapartal Period (FILM). The Process: stages of labor

Intrapartal Period Continued.

WEEK 5  Intrapartal Nursing Assessments:

- Maternal and Fetal Monitoring during labor.
• Integrate the nursing process with management principles in delivery of Intrapartal client-centered care to culturally diverse clients.
• Emotional and physical support during labor and delivery and the immediate post-delivery period.
• Maternal analgesia and anesthesia and related nursing care.

Nursing Care of Clients and Family during the Postpartum Period.

WEEK 6
Postpartum adaptation and nursing assessment
Integrate the nursing process with management principles in delivery of Postpartum client-centered care to culturally diverse clients.
Community and Home Health Care Nursing.

Nursing Care of Clients and Families during the Newborn Period.

WEEK 7
• Physiologic responses of the newborn.
• Nursing assessment of the newborn.
• Newborn nutrition.
• Newborn screening and immunization.
• Integrate the nursing process with management principles in delivery of newborn client-centered care to culturally diverse clients.
• Community and Home Health Care Nursing.

WEEK 8
EXAM II followed by:

Nursing Assessment and Care of Clients, Families at Risk during the Antepartum, Intrapartum, Postpartum and Newborn Period.

WEEK 9
Pregnancy at Risk: existing Conditions
Biophysical Profile, Ultrasonography, amniocentesis, Magnetic Resonance Imagery (MRI) Chorionic Villus Sampling (CVS), Non Stress Test (NST).

• Diabetes mellitus
• Diabetes mellitus.
• Heart disease.
• Anemias: iron deficiency, folic acid deficiency, sickle cell anemia and Thalassemia Major and Minor.
• Autoimmune disorders: Systemic Lupus Erythematosus (SLE)
• Maternal Infection: Tuberculosis; Urinary tract infection.
• Substance abuse: Alcohol, Nicotine, and Cocaine/Crack.
• Neurologic disorders: Epilepsy, Multiple Sclerosis (MS)
Pregnancy at Risk: gestational conditions

- Gestational Hypertension
- Pre-eclampsia and eclampsia.
- Chronic Hypertension
- HELLP Syndrome
- Severe Pre-eclampsia
- Hyperemesis gravidarum

Hemorrhagic Complications / Infections

**WEEK 10**

- Spontaneous Abortion.
- Ectopic pregnancy.
- Gestational trophoblastic disease.
- Placenta previa.
- Abruptio placenta.
- Rh and ABO incompatibility.
- TORCH Infections.
- Sexually transmitted infections, urinary tract infections.

**WEEK 11 Labor and birth at Risk**

- Pre-term labor.
- Premature rupture of membranes.
- Multifetal pregnancy
- Post-date delivery.
- Prolapse of the umbilical cord.
- Cephalopelvic disproportion (CPD)
- Hypertonic labor & hypertonic labor.
- Prolonged and precipitous labor.

Integrate the nursing process with management principles in delivery of client-centered care to culturally diverse expectant families at risk for alterations in growth seeking needs.

**WEEK 12 EXAM 11I: followed by: Video**

- Intrauterine fetal demise.
- Amniotic fluid related complications: Amniotic fluid embolism, Hydraminous and Oligohydraminos.
WEEK 13  Postpartum Complications

- Postpartum hemorrhage.
- Retained placenta and uterine atony.
- Genital tract trauma: laceration and hematoma.
- Inversion and sub-involution of the Uterus
- Hypotonic uterus
- Hypovolemic shock
- Thromboembolic Disease
- Puerperal reproductive infections.
- Uterine Displacement and Prolapse
- Cystocele and Rectocele
- Postpartum Depression
- Integrate the nursing process with management principles in delivery of client-centered care to culturally diverse postpartum families at risk for alterations in growth seeking needs.
- Infants of diabetic mothers.

WEEK 14  THE Newborn at Risk

- Pre-term infant and post-term infant.
- Small for gestational age (SGA); intrauterine growth retardation/restriction (IUGR) and Large for gestational age (LGA).
- Meconium Aspiration Syndrome
- Birth trauma
- Substance abuse
- Congenital Anomalies.
- Central Nervous Anomalies
- Integrate the nursing process with management principles in delivery of client-centered care to culturally diverse newborns at risk for alterations in growth seeking needs.
- Community and Home Health Care Nursing.

WEEK 15  FINAL EXAM
<table>
<thead>
<tr>
<th>Lecture 1</th>
<th>UNIT 1: 21st Century Maternity Nursing: Culturally competent, Family and Community focused.</th>
</tr>
</thead>
</table>
| Monday, January, 28th 2013 | Integrative healthcare and high cost of healthcare.  
Limited access to care.  
Low birth weight and preterm birth.  
Care during pregnancy and childbirth.  
Childbirth practices.  
Risk management.  
Sentinel events.  
Ethical issues in Perinatal Nursing  
Family Nursing.  
Introduction to Coordinated Undergraduate Education (CUE).  
Erikson’s theory as applied to the client at different stages of development.  
Cultural considerations related to childbearing.  
**Spiritual beliefs related to childbearing.**  
Psychological and developmental readiness for childbearing.  
Physical readiness for childbearing.  
**Assessment and Health Promotion.**  
Common concerns.  
Sexually transmitted infections  
Benign Problems  
Contraception, abortion  
Fertility/ infertility  
Genetics, Conception, and fetal development.  
Maternal and Fetal Nutrition on All Exams.  

| Lecture #2 | Lowdermilk: Chapter 1 pp.1-24  
Chapter 2 pp. 25-59 |
| Monday, February 4th 2013 | Hunt:  
Chapter 1 pp. 3-25  
Chapter 8 pp. 227-260 |
| Tutorial | Hockenberry:  
Chapter 1 pp. 1-19  
Chapter 2 pp. 20-28  
Chapter 3 pp. 29-50  
Chapter 4 pp. 51-70 |

| Written Assignment: | Independent Learning Activities: Make appointment with CLT for Skills Lab.  
Create your own account.  
Click the link to the website http://www.medcomrn.com/citytechcuny/  
Watch videos 137-144 |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------|
| Lowdermilk: | Chapter 3 pp. 60-95  
Chapter 4 pp.96-134  
Chapter 5 pp. 135-167 |
| Brunner: | Chapter 47 pp. 1660-1669 |
| Hunt: | Chapter 9 pp. 261-290 |
Drugs affecting women’s health and sexuality.

Assessment and management of female physiologic process.

<table>
<thead>
<tr>
<th>Lecture #3</th>
<th>Nursing Care of Clients and Families during the Antepartal Period</th>
<th>Lowdermilk, Chapter 6 pp. 168-189</th>
<th>Chapter 7 pp. 190-237</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monday, February 11th 2013 Tutorial</td>
<td>Anatomy and Physiology of Pregnancy. Diagnosis of Pregnancy Presumptive, Probable, and Positive signs. Physical and psychological changes of pregnancy. Developmental Tasks of Pregnancy. Antepartal Nursing Assessment: Initial. Subsequent Antepartal Assessment. Social influences on child health promotion. Self care measures during pregnancy: Activity and Rest; Breast Care and Breastfeeding; Clothing; Dental Care; Employment; Exercise and Preparation for Childbirth (Lamaze); Hygiene; Nutrition; Sexual Activity; Travel; Use of Alcohol and Smoking.</td>
<td>Hockenberry: Chapter 4 pp. 51-70</td>
<td>Independent Learning Activities: A/V Breastfeeding. Examination of the Pregnant Woman.</td>
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<td>Aschenbrenner: Chapter 7 pp. 84-95</td>
<td>Aschenbrenner: Chapter 7 pp. 84-95</td>
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</table>
| Lecture #4 | Wednesday,  
February 20th  
2013 | Integrate the nursing process with 
management principles in delivery of 
antepartal client-centered care to cultural 
influences. Doulas. 
Healthcare providers. Birth centers. 

Labor and birth processes. 
Factors affecting labor. 
Processes of labor. 

Maternal analgesia and anesthesia and 
related nursing care. 
Fetal assessment during labor. 
Integrate the nursing process with 

Nursing care of the family during labor 
and birth. 
Emotional and physical support during 
labor and delivery, and the immediate 
post-delivery period. |
|---|---|---|
| Lowdermilk, Chapter 9  
Independent Study: look at assigned videos. |
| Care During Pregnancy.  
Fetal Monitoring.  
Lowdermilk, Chapter 10 pp. 284–314  
Chapter 11 pp. 315-336  
Chapter 12 pp. 336-382 | Aschenbrenner:  
Chapter 23 pp. 404-430  
Chapter 53 1152-1155 |
| Hunt:  
Chapter 14 pp. 386-388l |
<table>
<thead>
<tr>
<th>Lecture #5</th>
<th>Exam 1 followed by: Lecture Nursing Care of Clients and Families during the Intrapartum Period.</th>
<th>The Process: Stages of birth.</th>
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<td>Monday</td>
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<tr>
<td>February 25th 2013</td>
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<tr>
<td>Atrium Amphitheater</td>
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| Lecture #6 | Nursing care of the family during the fourth trimester. | Lowdermilk, Chapter13 pp. 383-391  
Chapter 14 pp. 392-415  
Chapter 15 pp. 416-437 |
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<td>Monday,</td>
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<td>March 4th 2013</td>
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<td>Tutorial</td>
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</table>

| Lecture #7 | UNIT V: Nursing Care of Clients and Families during the Newborn Period.  
Physiologic responses and adaptation of the newborn.  
Assessment and care of the Newborn and Family.  
Nursing assessment of the newborn and family.  
Apgar Scoring.  
Birth injuries (Head trauma). | Lowdermilk, Chapter 16 pp. 438-477  
Chapter 17 pp. 478-527  
Chapter 18 pp. 528-559  
Hockenberry:  
Chapter 9 pp. 244-245  
Independent Learning Activity: A/V |
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<td>Monday,</td>
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<td>March 11th 2013</td>
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<td>Tutorial</td>
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<tr>
<td>Lecture #8</td>
<td>Exam II followed by:</td>
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<tr>
<td>Monday, March 18th 2013</td>
<td>UNIT V1 Nursing Care of Clients and Families At Risk during pregnancy. Oligohydramnious. Polyhydramnios.</td>
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<tr>
<td><em><strong>Atrium Amphitheater</strong></em></td>
<td>Biomedical Technology-ultrasound, amniocentesis, chorionic villi sampling (CVS), non stress testing (NST). Biophysical profile, Ultrasonography, Magnetic Resonance Imaging (MRI).</td>
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<tr>
<td>11:30 – 12:30 PM</td>
<td>Lowdermilk, Chapter 19 pp. 560-579</td>
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<tr>
<th>Lecture #9</th>
<th>Pregnancy at Risk: Pre-existing conditions:</th>
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<tbody>
<tr>
<td>Tutorial</td>
<td>Lowdermilk, Chapter 20 pp. 580-622</td>
</tr>
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<td>Aschenbrenner: Chapter 49 pp. 1032-1067 Chapter 50 pp. 10691106</td>
</tr>
</tbody>
</table>

Anemias: iron deficiency, Folate deficiency, sickle cell anemia. Thalassemia Major and Minor. 
Neurologic Disorders: Epilepsy, Multiple Sclerosis, Bell Palsy. 
Autoimmune Disorder: Systemic Lupus Erythematosus. 
Substance abuse: Cocaine/Crack, alcohol, nicotine. 
Maternal Infection: Tuberculosis, Urinary tract infection. 

Independent Learning Activities: A/V Peri-operative Nursing: Care of the Cesarean Delivering Patient
<table>
<thead>
<tr>
<th>Lecture #10</th>
<th>Bleeding Disorders:</th>
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<tbody>
<tr>
<td>Monday, April 15th 2013</td>
<td>Spontaneous abortion.</td>
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<tr>
<td>Tutorial</td>
<td>Ectopic pregnancy.</td>
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<td>Gestational trophoblastic disease.</td>
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<td>Placenta previa.</td>
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<td>Abruptio placenta.</td>
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<td>Rh and ABO incompatibility.</td>
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<td>TORCH infections (Sexually transmitted infections).</td>
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<td>Urinary tract infections.</td>
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<td>Amniotic fluid embolism</td>
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<tr>
<th>Lecture #11</th>
<th>Exam 3 Followed by Lecture:</th>
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<tbody>
<tr>
<td>Monday</td>
<td>Labor and Birth at Risk</td>
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<tr>
<td>April 22nd 2013</td>
<td>Preterm labor and birth.</td>
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<td>Atrium Amphitheater***</td>
<td>11:30 – 12:30 PM.</td>
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<tbody>
<tr>
<td>Chapter 10 pp. 187-209</td>
<td>Pregnancy at Risk: Gestational conditions:</td>
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<tr>
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<td>Gestational hypertension.</td>
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<td>Pre-eclampsia and eclampsia.</td>
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<td>Chronic hypertension.</td>
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<td>HELLP Syndrome.</td>
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<td>Severe Preeclampsia.</td>
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<td>Eclampsia.</td>
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<td>Hyperemesis gravidarum.</td>
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<tr>
<th>Lowdermilk,</th>
<th>Lowdermilk,</th>
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<tbody>
<tr>
<td>Chapter 21 pp. 623-642</td>
<td>Chapter 21 pp. 643-675</td>
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<tr>
<th>Lowdermilk,</th>
<th>Exam 3 Followed by Lecture:</th>
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<tbody>
<tr>
<td>Chapter 22</td>
<td>Labor and Birth at Risk</td>
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<tr>
<td>pp. 676-722</td>
<td>Preterm labor and birth.</td>
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<td>Monday, April 29th 2013</td>
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<tr>
<th>Monday, May 6th 2013</th>
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<td>Monday, May 13th 2013</td>
<td>Tutorial</td>
<td>Community Service Record</td>
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<tr>
<td>Lecture # 15</td>
<td>FINAL EXAM</td>
<td>Lowdermilk, Chapter 24 pp. 751-811</td>
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