UNIVERSITY OF FLORIDA

COLLEGE OF NURSING

COURSE SYLLABUS

Spring 2015

COURSE NUMBER NUR 6320

COURSE TITLE Neonatal Nurse Practitioner 1

CREDITS 5

PLACEMENT DNP Program: Neonatal Nurse Practitioner Track

PREREQUISITES NGR 6054C Advanced Neonatal Health Assessment and

Diagnostic Reasoning

NGR 6636 Health Promotion and Role Development in Advanced Nursing Practice

NGR 6140 Physiology and Pathophysiology for Advanced Nursing Practice

NGR 6101 Theory and Research for Nursing

COREQUISITES NGR 6320L Neonatal Nurse Practitioner Clinical 1

NGR 6371 Neonatal Pharmacotherapeutics for Advanced Practice Nursing

NGR 6850 Research Methods & Utilization for Nursing

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| FACULTY |  |  | |  | |
| Jacqui Hoffman, DNP, NNP-BC  [hoffmanjm@ufl.edu](mailto:hoffmanjm@ufl.edu) | HPNP 2225 | | Cell (727) 709 9211 | | Office hours: Virtual on Adobe Connect, Tues. 1:00–2:00 PM; additional hours by appt | |
| Clinical Faculty  Leslie A. Parker, PhD, NNP-BC [parkela@ufl.edu](mailto:parkela@ufl.edu) | HPNP 2227 | | (352) 273-6384  Beeper#:  (352) 413-3212  Cell (352) 215 9360 | | Thurs., 10:00 – 12:00  Virtual on Adobe Connect, Tues., 1:00-1:30 | |

COURSE DESCRIPTION This course provides students with foundational knowledge of the advanced nursing practice management of high risk neonate/infant including fetal and neonatal growth and development, diagnosis and treatment. The emphasis is on the utilization of relevant theory, critical thinking, and evidence-based knowledge to formulate differential diagnoses, treatment plans and optimal outcome parameters for high risk neonate/infant. The focus of this course is on respiratory, infective, adaptive, prenatal and commonly occurring health care problems in high risk neonate/infant.

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

1. Analyze the genetic and environmental variables associated with congenital defects and/or spontaneous abortion.
2. Integrate theory and current research findings pertaining to fetal and neonatal physiology and pathophysiology, perinatal development, and therapeutic approaches for the management of high risk neonate/infant health problems.
3. Develop appropriate diagnoses and differential diagnoses based on analysis and interpretation of the history, symptoms, physical findings, and diagnostic information for high risk neonate/infant.
4. Select appropriate diagnostic and therapeutic interventions with emphasis on safety, cost, and efficacy in the care of high risk neonate/infant.
5. Formulate plans for illness prevention and treatment, wellness promotion, and health problem management based on current scientific rationale and research, evidence-based practice guidelines and standards of care for high risk neonate/infant.
6. Formulate strategies to evaluate the effectiveness of management plans in achieving optimal outcomes for high risk neonate/infant.
7. Analyze the influence of ethical, legal, political, economic, and sociocultural factors on the provision of care to neonate/neonate/infant and their families.

COURSE SCHEDULE

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| --- | --- | --- | --- |
|  | Day | Time |  |
| Class | On-line | First class will be on Tuesday, January 6th with the remaining classes on Mondays from 9 AM - 1 PM on Adobe Connect. On Neo I exam dates, class will be Monday from 11:30 AM - 1 PM.  Neo I Exams 9-11AM | |

E-Learning in Canvas is the course management system that you will use for this course. E-Learning in Canvas is accessed by using your Gatorlink account name and password at <https://lss.at.ufl.edu/>. There are several tutorials and student help links on the E-Learning login site. If you have technical questions call the UF Computer Help Desk at 352-392-HELP or send email to [helpdesk@ufl.edu](mailto:helpdesk@ufl.edu).

It is important that you regularly check your Gatorlink account email for College and University wide information and the course E-Learning site for announcements and notifications.

Course websites are generally made available on the Friday before the first day of classes.

TOPICAL OUTLINE

1. Patterns of embryological and fetal growth and development and the genetic and environmental variables which influence those patterns
2. Health maintenance and anticipatory care of the low risk term and preterm neonate/infant.
3. Intrapartal adaption from intrauterine fetal physiology, resuscitation measures at time of delivery
4. The perinatal family and their adaptation to the crisis of the birth and possible hospitalization of a high risk neonate/infant
5. Immunological factors related to the neonate, neonatal sepsis, antibiotic therapy, and infection control in neonatal care units
6. Legal and ethical issues concerning neonatal intensive care such as access to care, regionalization, health care reform, and the development of technology.
7. Embryology, pathology and advanced nursing management of diseases and congenital defects related to the respiratory system.
8. Embryology, pathology and advanced nursing management of diseases related to prematurity.

TEACHING METHODS

Lecture, audiovisual materials, written materials, and presentation of case studies.

LEARNING ACTIVITIES

Online and class participation, written and verbal presentations, analysis of case

studies, text readings and review of scholarly publications.

EVALUATION METHODS/COURSE GRADE CALCULATION

Class participation 10%

All students are required to place at least 3 entries per week on the Sakai discussion board. This may include submitting new items for discussion or to discuss an issue already introduced. Discussions should be submitted weekly; points will not be awarded for discussions submitted all at one time.

Examinations 60% total - 20% each

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| --- | --- |
| Test I | February 16th 9:00-11:00 AM |
| Test II | March 16th 9:00-11:00 AM |
| Test III | April 27th 9:00-11:00 AM |

Must achieve an average of 74% or higher on the three exams to pass the course.

Case Studies (4) 30%

Criteria for case studies will be in course materials at the beginning of term. There will be four (4) case study assignments, each worth 7.5% of your grade, which you will be required to analyze. Three of these will be available in the assignment drop box on the following dates: January 26th, February 23rd, and March 23rd. You will have 2 weeks to complete. Failure to submit by due date will result in 5 points lost per day for the assignment. This is a clinical tool; therefore, there is no need for APA format. Please answer the questions as if you were the NNP caring for the patient following a systems format. Each student will return this assignment for feedback from the instructor. The student will then incorporate this feedback into the case study. This process will continue until the case study is in an acceptable format. The final case study assignment will be a case presentation on a patient from your clinicals that has a problem/disease process that we have studied throughout this semester. The case presentation will be during our seminar held on April 13th and 20th. All students are expected to be present.

Total 100%

Assignments will be graded by faculty within a 2 week time period unless otherwise notified.

MAKE UP POLICY

Make-up exams will only be arranged in the event of extreme emergencies and the course faculty must be notified in advance. Attendance at seminars are required; if unable to attend due to illness or emergency, the course faculty must be notified in advance, and the student will be required to listen to the recorded session and submit a summary of each presentation highlighting areas that increased their understanding of the problem/disease process.

GRADING SCALE/QUALITY POINTS

A 95-100 (4.0) C 74-79\* (2.0)

A- 93-94 (3.67) C- 72-73 (1.67)

B+ 91- 92 (3.33) D+ 70-71 (1.33)

B 84-90 (3.0) D 64-69 (1.0)

B- 82-83 (2.67) D- 62-63 (0.67)

C+ 80-81 (2.33) E 61 or below (0.0)

\* 74 is the minimal passing grade

For more information on grades and grading policies, please refer to University’s grading policies: <https://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx>

REQUIRED TEXTBOOKS

Blackburn, S. (2012). *Maternal, Fetal, & Neonatal Physiology* (4th ed.). Elsevier. ISBN(13) - 9781437716238.

Cloherty, J., Eichenwald, E., Hansen, A. & Stark, A. (2012). *Manual of Neonatal Care*, (7th ed.). Lippincott, Williams & Wilkins. ISBN-13: 978-1-60831-777-6. (suggested to purchase with workbook at CCPR: <http://ccprwebsite.org/cp_product.cfm?i=102>)

Gomella, T. L., Cunningham, M.D., & Eyal, F.G. (2013). *Neonatology management, procedures, on-call problems, diseases and drugs: 25th edition* (7th ed.). McGraw-Hill Professional Publishing. ISBN: 9780071768016.

Moore, K. & Persaud, T. (2011). *The Developing Human: Clinically oriented embryology* (9th ed.). Elsevier. ISBN(13) - 9781437720020.

Young, T. E., & Mangum, B. (Most recent edition – available online). *Neofax.*

WEEKLY CLASS SCHEDULE

Will be announced at beginning of the term on course website.

University and College of Nursing Policies:

Please see the College of Nursing website for a full explanation of each of the following policies - <http://nursing.ufl.edu/students/student-policies-and-handbooks/course-policies/>.

Attendance

Academic Honesty

UF Grading Policy

Accommodations due to Disability

Religious Holidays

Counseling and Mental Health Services

Student Handbook

Faculty Evaluations

Student Use of Social Media