UNIVERSITY OF FLORIDA

COLLEGE OF NURSING

COURSE Syllabus

SPRING 2016

COURSE NUMBER NGR 6372C Section 2816

COURSE TITLE Advanced Pediatric Procedures and Diagnostics

CREDITS 03 (2 credits didactic, 1 credit laboratory or 48 laboratory hours)

PLACEMENT DNP Program: Pediatric Nurse Practitioner Track

PREREQUISITES NGR 6002C: Advanced Health Assessment and Diagnostic Reasoning

NGR 6101: Theory and Research for Nursing

NGR 6140: Physiology and Pathophysiology for Advanced Nursing Practice

NGR 6636: Health Promotion & Role Development in Advanced Practice Nursing

CO-REQUISITES NGR 6301: Advanced Child Health Nursing I

NGR 6301L: Advanced Child Health Nursing Clinical I

# FACULTY Phone Office Office Hours

Teresa Bruney, DNP, ARNP, PNP-BC 352-371-3604 HPNP 2217 M 7-8 am

Clinical Assistant Professor T 730-830 am Web

Department of Family, Community, and

Health Systems Science

[bruneyts@ufl.edu](mailto:bruneyts@ufl.edu)

COURSE DESCRIPTION:

This course provides theoretical knowledge and emphasizes psychomotor skills necessary to provide selected advanced practice nursing interventions utilized in the care of infants, children and adolescents in a variety of settings. Focus is on the provision of safe and effective advanced practice nursing care to diverse populations.

COURSE OBJECTIVES:

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

1. Integrate concepts and theories of biological, behavioral and nursing in assessing the health status of infants, children and adolescents.
2. Apply the problem-solving approach to the collection and analysis of subjective and objective data relevant to infant, child, and adolescent health status.
3. Differentiate between normal and abnormal health status changes that occur from newborn through adolescence.
4. Develop a working assessment for health status changes based upon history and physical findings, selected theoretical frameworks and physical science.
5. Utilize appropriate communication skills to elicit and record a comprehensive health history that included culturally relevant data.
6. Demonstrate proficiency in selected advanced practice nursing diagnostic skills and procedures.
7. Integrate principles of safety into advanced practice nursing.
8. Evaluate selected advanced practice nursing diagnostic skills and procedures based on current evidence.

CLINICAL/LABORATORY SCHEDULE

E-Learning in Canvas is the course management system that you will use in this course. E-Learning in Canvas is accessed by your Gator Link account name and password at <http://lss.at.ufl.edu>. There are several tutorials and student links on the Canvas login site. If you have technical questions call UF Computing Help Desk at 352-392-4357or e-mail them at [helpdesk@ufl.edu](mailto:helpdesk@ufl.edu).

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

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

The first synchronous, on-line meeting is for our first class, Monday 1-11-16, from 6-8pm, via Adobe Connect. The URL to join the meeting is <https://ufcon.adobeconnect.com/bruney_ngr_6372c/> . Sign in with your GatorLinkID and PW. Text me at 352-316-4229 if you experience connection problems, and identify yourself as a student in NGR 6372. Please open and join this meeting before our first class to familiarize yourself with the process. Once you have done this as “practice”, then simply sign off until our first meeting 1-11-16 at 6pm. We will review the syllabus and course requirements. This will be recorded and posted to the course Canvas site.

The first required synchronous meeting will be 3-7-16 6-10pm via Adobe Connect.

This course will consist of on-line tutorials, on-line didactic material, synchronous on-line seminars, and one 8 hour face-to-face lab in Gainesville in the NRC on Tuesday 3-15-16 8am-430pm. Attendance is required. This is scheduled far enough in advance to allow scheduling conflicts to be resolved.

Differential diagnostic reasoning seminars will be held select Monday evenings from 6-10pm through Adobe Connect beginning 3-7-16. Students will present and discuss clinical cases, construct differential diagnoses, practice differential diagnostic reasoning, construct and critique treatment and management plans, discuss patient education, and plan follow-up as needed. Synchronous [real-time] attendance is required for the four clinical seminars.

You will use Typhon Nurse Practitioner Student Tracking System to record clinical encounters and clinical hours. If you have technical questions regarding Typhon call College of Nursing IT Support at 352-273-6429 or send email to [conitsupport@health.ufl.edu](mailto:conitsupport@health.ufl.edu)

Our face-to-face lab time as well as our clinical seminars will all need to be recorded as clinical hours in Typhon.

Exams will be administered through Proctor U.

*ProctorU* Information for Graduate Online Courses:

* Major course examinations will be administered via ***ProctorU***, a live proctoring service, to ensure a secure testing environment.
* Each student computer must be in compliance with Policy S1.04, *Student Computer Policy* and must contain a web cam, microphone, and speakers.
* Each examination will have a fee to be paid by the student.
* Students go to the website <http://www.proctoru.com/> and click on “How To Get Started”. This will permit students to create an account and test out their system.
* Once an instructor makes an exam available, students go online to ***ProctorU*** to schedule and pay for the exam session. Students must provide a valid email address and phone number where they can be reached during an exam.
* CON IT Support office will oversee this process and provide technical assistance.

TOPICAL OUTLINE

* 1. Characteristics of holistic assessment based on systems theory.
  2. Oral screenings for children of all ages.
  3. Assessment for congenital anomalies including family history, physical examination, and laboratory evaluation.
  4. Risk assessment taking into consideration prenatal and perinatal circumstances and gestational age for developmental disabilities.
  5. Screening tests for physical and mental health as appropriate for the child (including but not limited to) autism spectrum disorders, attention deficit disorders, anxiety, depression, obesity, substance abuse, risk taking behaviors.
  6. Diagnostic tests for presenting symptoms in children (including but not limited to) chemistries, cultures, lipids, electrolytes, CBC.
  7. Selected advanced psychomotor skills and therapeutic diagnostic techniques
  8. Comprehensive nutritional assessments for children
  9. Family and Parenting Assessments
  10. Principles and interpretation of 12-Lead ECG
  11. Wound care principles and techniques
  12. X-ray principles and interpretation

TEACHING METHODS

# Lecture, discussion, written materials, audiovisual materials, presentation of case studies, clinical demonstration, and presentation of exemplars of lab and procedural data

# LEARNING ACTIVITIES

Laboratory interpretation and diagnostic test interpretation. Simulation exercises, audiovisual materials, critiques of current literature, case study analysis, guided clinical practice.

# EVALUATION/ COURSE GRADE CALCULATION

Written Assignments 40%

Exam 1 30%

Exam 2 30%

Clinical experiences S/U total 48 hours

Participation in clinical seminar is expected with case presentations as well as reviewing relevant literature, and will be graded P/F. Clinical seminar will be conducted select Monday evenings and will contribute 16 hours of clinical time to NGR 6372C. One mandatory on-site lab in Gainesville will contribute 8 hours of clinical experience.

Written assignments include four case studies, documenting the care provided to an acutely ill child, and will be graded. The case studies will contribute 40% to the course grade and constitute 8 hours of clinical time to NGR 6372C. Each case study must receive a minimum grade of 80% in order to pass the course.

Several developmental and mental health assessments are required to be completed and will contribute 16 hours of clinical time to NGR 6372C.

Requirements for the Case Studies, web-based tutorials, developmental assessments, and exams will be discussed during the first class meeting, and will be detailed in a separate document on the course Canvas website.

MAKE UP POLICY

Any needed make-up will be done on an individual basis. If the first exam is missed, the grade on the last exam will be the grade for both exams.

GRADING SCALE

A 95-100 C 74-79\*

A- 93-94 C- 72-73

B+ 91- 92 D+ 70-71

B 84-90 D 64-69

B- 82-83 D- 62-63

C+ 80-81 E 61 or below

\* 74 is the minimal passing grade

For more information on grades and grading policies, please refer to the University’s grading policies:

<http://gradcatalog.ufl.edu/content.php?catoid=4&navoid=907#grades>

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

REQUIRED TEXTS:

Mayeaux, E. (2015). *The Essential Guide to Primary Care Procedures*. Wolters Kluwer

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| --- | --- |
| ISBN/ISSN: | 9781451191868 |
| RECOMMENDED TEXTS:  None |  |

WEEKLY CLASS SCHEDULE

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| --- | --- | --- | --- |
| DATE | **TOPIC/EVALUATION** | **ASSIGNMENTS/READINGS** | FACULTY |
| 1-11-16  6pm-8pm | Introduction to the Course  We will also finalize the scheduling for our diagnostic reasoning and EBP seminars. These will consist of 4 seminars via Adobe Connect, each 3.5 hours in length. These will be on Monday evenings and will start later in the semester, probably by 3-7-16. Attendance on-line is required.  NOTE required attendance in Gainesville for one 8 hour lab Tuesday 3-15-16. | **Web-based Tutorials: Wound Management**  We will meet today via Adobe Connect at 6 pm. The session will be recorded and posted on the course Canvas website, but decisions made by the attendees will be binding, so making every effort to attend is important. Here is the Adobe Connect link we will use for all live, on-line seminars and discussions, including today:  <https://ufcon.adobeconnect.com/bruney_ngr_6372c/> and sign in with your GatorLinkID and PW | Bruney |
| 1-18-16 | Pediatric EKG Interpretation | **Web-based Tutorials: Pediatric EKG** | Bruney |
| 1-25-16 | Common Lab Studies and Diagnostic Tests in Pediatrics | **Web-based Tutorials: Diagnostic Testing** | Bruney |
| 2-1-16 | Pediatric Nutrition and Assessment of Nutritional Adequacy | **Web-based Tutorials: Nutritional Assessment** | Bruney |
| 2-8-16 | Clinical practice only, no tutorials or seminars this week. | **1st of 4 Clinical Case Studies Due** | Bruney |
| 2-15-16 | Newborns: Assessment and management of healthy newborns | **Web-based Tutorial: Newborn Care** | Bruney |
| 2-22-16 | **EXAM 1**  8-9am  Sign in to ProctorU before 8am | Proctor U |  |
| 2-29-16 | **SPRING BREAK** |  | Bruney |

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| 3-7-16  6pm-1030pm | Supporting the breastfeeding patient and family **First of 4 live, synchronous, on-line seminars** | **Web-based tutorial: Breastfeeding**  **2nd of 4 Clinical Case Studies Due** | Bruney |
| 3-15-16  Tuesday | **On-Site Lab in Gainesville - TUESDAY**  **8-1130am NRC**  **Refinement of Otoscopy and EENT Skills**  **1230-430 pm NRC**  **Wound Closure, Abscess management, and Splinting** | **Clinical : Submission of 5 completed/scored Denver Screenings [3 infant, 2 toddler], 2 M-CHATs, and 2 Pediatric Symptom Checklists**  **Scan and submit under “Assignments” on the course Sakai site** | Bruney |
| 3-21-16 | Child abuse overview  **Second of 4 live, synchronous, on-line seminars** | **3rd of 4 Clinical Case Studies Due**  **Web Based Tutorial: Child Abuse** | Bruney |
| 3-28-16 | Beginning X-ray interpretation **Third of 4 live, synchronous, on-line seminars** | **Web-based Tutorials: X-ray Interpretation** | Bruney |
| 4-4-16 | Sexually transmitted infection screening, diagnosis, and treatment  **Fourth of 4 live, synchronous, on-line seminars** | **Web-based Tutorials: Sexually Transmitted Infections**  **4th of 4 Clinical Case Studies Due** | Bruney |
| 4-11-16 | Management of Oral Health | **Web-based Tutorial: Pediatric Oral Healthcare** | Bruney |
| 4-18-16 | **Exam 2**  8-9am  Sign in to ProctorU before 8am | **ProctorU** | Bruney |
| 4-22-16  FRIDAY |  | Course and Instructor Evaluations Done? | Bruney |

WEBSITES

Virtual Pediatric Hospital <http://www.virtualpediatrichospital.org/>

Pediatric Heart Sounds: <http://www.rain.org/~landon/Heartweb/>

Pediatric Heart Murmurs When to refer: <http://www.aafp.org/afp/990800ap/558.html>

Approved: Academic Affairs Committee: 05/08

Faculty: 06/08

UF Curriculum: 10/08