

NUR 200 Students must wait until an acceptance letter to the A.D.N. Program is received BEFORE they can register for this course.

DATE: Tuesday, November 02, 2010
TO: Students enrolled in NUR 200 Nursing Career Mobility Assessment
FROM: Becky Casey, Director, A.D.N. Program
RE: NUR 105 & 106 Challenge Exam

Nursing Career Mobility Assessment, NUR 200 must be successfully completed in order to be considered for the mobility program, which begins summer semester. The only exception are those LPN's who graduated from the Alabama Community College System within the last two years.

The attached information is being sent to enable you to start preparing for the challenge exams in January, as part of the NUR 200 course requirements. Remember, classes start on Wednesday, January 5, 2011.

REMEMBER: You must complete ALL requirements for admission in order to be considered for the summer 2011 Mobility Program. If you have any questions regarding this matter, please contact the A.D.N. Department at 334.876.9271.

NUR 105 – Adult Health and NUR 106 – Maternal Child Nursing

1. Students must attend the review classes listed on issued classroom schedule.
2. A comprehensive theory validation test for NUR 105, Adult Health will be given on scheduled date.
3. A comprehensive theory validation test for NUR 106, Maternal Child Nursing will be given on scheduled date.
4. Each test will consist of multiple choice questions taken from information specified in the course content outlines for NUR 105 and NUR 106 provided in this letter.
5. Students may use any appropriate nursing textbooks or the textbooks listed on this letter to review.

ADULT NURSING (NUR 105)

- **Fluid, electrolytes, and acid-base balance**
 - Fluid and electrolyte homeostasis
 - Functions of fluids and electrolytes
 - Transports
 - Active
 - Passive
 - Regulators
- **Disturbances in fluid and electrolyte balance**
 - Causes of imbalance
 - Alterations
 - Dehydration
 - Fluid volume excess
 - Hyper/Hypo electrolyte disturbances
 - Nursing Process
- **Acid-Base homeostasis**
 - Blood gases
 - Regulators
- **Acid-Base alterations**
 - Causes of imbalance
 - Respiratory acidosis/alkalosis
 - Metabolic acidosis/alkalosis
- **IV therapy**
 - Roles and responsibilities
 - Types and use of intravenous solutions
 - Equipment and supplies
 - Patient physical and psychological preparation for IV therapy
 - Venipuncture process
 - Flow rate problems
 - IV Complications and problems
 - Monitoring and maintenance of the IV
 - IV medications
 - Blood, blood products, and volume expanders
- **Perioperative care**
 - Nurses role within perioperative settings
 - Informed consent
 - Pre-operative
 - Intra-operative
 - Post-operative
- **System alterations**
 - General areas for all systems listed:
 - Diagnostic tests
 - Alterations
 - Nursing process
 - Pharmacological agents
 - Integumentary system
 - Pressure ulcers (Decubitus)
 - Inflammatory conditions
 - Infections
 - Skin Cancers
 - Respiratory system
 - Acute Upper
 - ▶ Acute sinusitis
 - ▶ Rhinitis

- ▶ Pharyngitis
- ▶ Peritonsillar abscess
- ▶ Laryngitis
- ▶ Epistaxis
- ▶ Nasal obstruction
- ▶ Fractures of the nose
- ▶ Laryngeal obstruction
- Chronic Upper
 - ▶ Polyps
 - ▶ Head and neck cancer
- Acute Lower
 - ▶ Bronchitis
 - ▶ Pneumonia
 - ▶ Legionnaires
 - ▶ Lung abscess
 - ▶ Pulmonary edema
 - ▶ Pulmonary embolism
 - ▶ Chest trauma
 - ▶ Acute respiratory failure
 - ▶ Pleurisy
 - ▶ Hemothorax/Pneumothorax
 - ▶ Pleural effusion
- Chronic Lower
 - ▶ Lung cancer
 - ▶ Asthma
 - ▶ Emphysema
 - ▶ Chronic bronchitis
 - ▶ Tuberculosis
 - ▶ Bronchiectasis
- Occupational Lung Diseases
 - ▶ Sarcoidosis
 - ▶ Pneumoconiosis
 - ▶ Silicosis
 - ▶ Asbestosis
 - ▶ Coal workers Pneumoconiosis (Black Lung)
- Suctioning
 - ▶ oral
 - ▶ nasopharyngeal
 - ▶ tracheal
- oxygen administration
- pulse oximetry
- trach care
- Cardiovascular system alterations
 - Hypertension
 - ▶ Primary
 - ▶ Malignant
 - Peripheral Vascular Alterations
 - ▶ Arterial
 - Buerger's disease
 - Raynaud's disease
 - Arterial ulcers
 - Arterial thrombosis
 - Arterial occlusive
 - ▶ Venous
 - Varicose veins
 - Thrombophlebitis

- Chronic venous insufficiency
 - Venous stasis ulcers
 - ▶ Lymphatic
 - Lymphedema
 - Lymphangitis/Lymphadenitis
- Hematological
 - ▶ Anemia
 - Hypovolemic
 - Iron deficiency
 - Aplastic
 - Pernicious
 - Sickle cell
 - Polycythemia – vera
 - Thalassemia
 - Hemophilia
 - ▶ Platelets
 - Thrombocytopenia
 - ▶ Congestive heart failure (left & right)
 - ▶ Aneurysms
- Endocrine system alterations
 - Diabetes
 - Acute and Chronic Complications
 - Management
 - ▶ Glucose monitoring
 - ▶ Insulin and insulin pumps
 - ▶ Oral hypoglycemic agents
 - ▶ Diet and exercise
 - ▶ Emergency management
- Upper gastrointestinal system alterations
 - Infectious/Inflammatory Conditions
 - ▶ Stomatitis
 - ▶ Ulcers
 - oral
 - gastric
 - ▶ Gastritis
 - ▶ Gerd
 - ▶ Oral cancer
 - ▶ E coli
 - ▶ Salmonella
 - ▶ Clostridium
 - Hiatal hernias
 - Gastrostomy tube reinsertion and management (tube feeding)
 - Surgical procedures
 - ▶ Gastrectomy
 - ▶ Gastric decompression
 - ▶ Gastric bypass surgery
 - Cancers of upper GI
- Musculo-skeletal system alterations
 - Musculo-skeletal traumas
 - ▶ Sprains
 - ▶ Fractures
 - Cast Care
 - Traction
 - ▶ Dislocations
 - ▶ Amputations
 - ▶ Crutches and other devices
 - Inflammatory alterations
 - ▶ Rheumatoid arthritis

- ▶ Osteomyelitis
- Degenerative alterations
 - ▶ Osteoporosis
 - ▶ Osteoarthritis
- Gout
- Lyme disease
- Osteomyelitis disease
- Surgical procedures
 - ▶ Knee and hip
 - ▶ Carpal tunnel
 - ▶ Spinal fusion
 - ▶ Laminectomy
 - ▶ Disc repair

MATERNAL AND CHILD NURSING (NUR 106)

- **Antepartum**
 - Family dynamics
 - Preconception health promotional considerations
 - Fetal development
 - Signs of pregnancy
 - Physiological changes of pregnancy
 - Psychological adaptation to pregnancy
 - Prenatal education and care
 - Diagnostic tests
 - Pharmacological agents/treatment
 - Nutrition
 - Discomforts of pregnancy
 - Childbirth education
- **Complications of pregnancy**
 - Nursing roles
 - Assessment of fetal well-being
 - Complications of pregnancy
 - Hyperemesis gravidarum
 - Bleeding
 - Hypertensive disorders of pregnancy
 - Chronic medical problems
 - Infections
 - Hemolytic diseases
 - Multifetal pregnancy
 - Substance abuse
 - Preterm labor
 - Pathophysiology/Clinical manifestations
 - Diagnostic tests
 - Pharmacological agents/treatments
 - Nutritional considerations
 - Health promotion
- **Intrapartum**
 - Onset of labor
 - Maternal responses to labor
 - Variables affecting labor
 - Stages of labor
 - Phases of labor
 - Admissions of client in labor
 - Psychosocial care during intrapartum
 - Diagnostic tests
 - Nutritional considerations

- Obstetric procedures
- Induction/augmentation of labor
- Pharmacological agents/treatment
- Immediate newborn/mother care
 - Apgar scoring
- **Postpartum**
 - Family adaptation
 - Physiologic changes
 - Psychosocial changes
 - Health promotion
 - Vaginal/Cesarean birth
 - Diagnostic tests
 - Nutritional considerations
 - Pharmacological/treatments
 - Postpartal procedures
 - Complications
 - Teaching and learning strategies for postpartal care and discharge
- **Newborn care**
 - Care needs of the newborn
 - Physical characteristics of the newborn and common variations
 - Reflexes
 - Behavioral characteristics
 - Gestational age
 - Diagnostic tests
 - Nutritional considerations
 - Pharmacological agents/treatments
 - Selected procedures
 - Circumcision and care
 - Hearing screenings
 - Heel sticks
 - Serology screening
 - Cord care
 - Complications
 - Cultural diversity
 - Teaching and learning strategies
- **Pediatric care**
 - Teaching and learning strategies
 - Preparing the pediatric client and family for hospitalization
 - Developmental assessments
 - Pediatric procedures
 - Scheduled immunizations
 - Nutritional considerations
 - Cultural diversity
 - Health promotion
 - End of life issues

SELECTED PEDIATRIC ALTERATIONS

- Pathophysiology
- Clinical manifestations
- Diagnostic tests
- Pharmacological agents/treatments
- Nutritional considerations
- Health promotion
- Selected pediatric alterations
 - Respiratory system

- Laryngotracheobronchitis (croup)
- Pneumonia
- Respiratory distress syndrome/Bronchopulmonary dysphasia
- Cystic fibrosis
- Sudden Infant Death Syndrome (SIDS)
- Asthma
- Respiratory Syncytial Virus
- Pharyngitis
- Allergic Rhinitis
- Tonsillitis/adenoiditis
- Influenza
- Cardiovascular system and Blood Disorders
 - Rheumatic fever
 - Hypertension
 - Hyperlipidemia
 - Endocarditis
 - Kawasaki disease
- Blood disorders
 - Hyperbilirubinemia
 - Sickle-cell anemia
 - Thalassemia
 - Hemophilia
- Infectious disorders, Lymphatic and Immune systems
 - Leukemia
 - Varicella-Zoster Infection
 - Rubeola
 - Rubella
 - Epstein-Barr virus
 - Fifths Disease
 - Roseola
 - Mumps
 - Pertussis
 - Tuberculosis
- Gastrointestinal system
 - Cleft Lip/Palate
 - Esophageal atresia/Fistula
 - Pyloric Stenosis
 - Hirschsprung's Disease
 - Intussusception
 - Hernias
- Infections
 - Thrush
 - Acute Gastroenteritis
 - Appendicitis
- Parasitic infections
- Failure to Thrive
- Gastroesophageal Reflux
- Constipation
- Fluid and Electrolyte Imbalance
- Poisoning
- Foreign bodies
- Encopresis
- Colic
- Musculoskeletal system
 - Talipes Equinovarus (club foot)
 - Hip Dysplasia
 - Scoliosis
 - Fractures

- Muscular Dystrophy
- Osteomyelitis
- Juvenile Rheumatoid Arthritis
- Sprains and strains
- Bone and muscle cancers
- Endocrine system
 - Tay-sachs disease
 - Phenylketonuria
 - Maple Sugar Urine Disease
 - Galactosemia
 - Hypothyroidism
 - Hyperthyroidism
 - Diabetes Insipidus
 - Diabetes Mellitus
 - Growth Hormone deficiency
- Integumentary system
 - Diaper dermatitis
 - Seborrheic dermatitis (cradle cap)
 - Eczema
 - Atopic dermatitis
 - Pediculosis/scabies
 - Tinea
 - Impetigo
 - Acne
 - Herpes Simplex
 - Cellulitis
 - Bites and stings
- Nervous system
 - Spina Bifida/myelodysplasia
 - Hydrocephalus
 - Seizure disorders to include Febrile Convulsions
 - Meningitis
 - Encephalitis
 - Cerebral Palsy
 - Reye's Syndrome
- Sensory system
 - Eye
 - Ear
- Genitourinary system
 - Anomalies
 - ▶ Hypospadias
 - ▶ Epispadias
 - ▶ Phimosis
 - ▶ Exstrophy of the Bladder
 - ▶ Vesicoureteral reflux
 - Hydrocele
 - Cryptorchidism
 - Wilm's Tumor
 - Nephrotic Syndrome
 - Enuresis
- Psychosocial disorders
 - Autism
 - Mental retardation

TEXTBOOKS AND OTHER LEARNING RESOURCES

(* Required for this semester) (#Optional Resources to assist in studying for class content)

NUR 102

*Akley, B. and Ladwig, G., (2011). Nursing Diagnosis Handbook: An Evidenced Based Guide to Planning Care. 9th ed., Mosby.

*Nursing Kit

#Perry & Potter, (2009). Fundamentals of Nursing, 7th ed., Mosby.

NUR 103

#Wilson, S., and Giddens, J., (2009) Health Assessment for Nursing Practice. 4th ed., Mosby.

NUR 104

#Ogden, S. J., (2007). Calculation of Drug Dosages, 8th ed., Mosby.

NUR 105

*Lewis, Sharon L., Heitkemper, Margaret L., Dirksen, Shannon R., Bucher, L. (2010). Medical-Surgical Nursing, 8th ed., Mosby.

NUR 106

*Wong, Hockenberry, Wilson, Perry, Lowdermilk, (2010). Maternal-Child Nursing Care, 4th ed., Mosby.