LOS ANGELES COUNTY COLLEGE OF NURSING AND ALLIED HEALTH
School of Nursing

Nursing 123:

MEDICAL SURGICAL NURSING

Spring 2017

N123 – MEDICAL SURGICAL NURSING
Spring 2017 – Semester 2 / Thursdays, 1330 – 1530
CARLSON CLASSROOM

WEEK	TOPIC	HOURS	INSTRUCTOR	DATE
1	Diabetes Mellitus	2	Najera	1-19-17
2	Diabetes Mellitus ***DM C/S due***	2	Najera	1-26-17
3	Diabetes Mellitus	1	Najera	2-02-17
	GI	1	Trongone	
4	GI ***GI Quiz***	2	Trongone	2-09-17
5	GI	2	Trongone	2-16-17
6	**EXAM #1**	1		2-23-17
	Gynecology	1	Thompson	
7	Gynecology	2	Thompson	3-02-17
8	Gynecology **** Special Time – 1030 – 1230 ****	2	Thompson	3-09-17
9	Sexually Transmitted Infections	2	Webster	3-16-17
	SPRING BREAK			3-23-17
10	Blood Disorders ***Quiz - STI***	2	Nott	3-30-17
11	Blood Disorders	2	Nott	4-06-17
12	**EXAM #2**	1		4-13-17
	Blood Disorders	1	Nott	
13	Hematology	2	Najera	4-20-17
14	Hematology	2	Najera	4-27-17
15	Hematology	1	Najera	5-04-17
16	Genitourinary ***GU CS due*** **** Special Day & Time – 0930 – 1230****	3	Nott	5-08-17
17	Genitourinary **** Special Day & Time – 0930 – 1130 ****	2	Nott	5-15-17
18	**EXAM #3** **** Special Day & Time - 0930 – 1030 ****	1		5-22-17

COURSE TITLE:	**N123 Medical Surgical Nursing**
PRE-REQUISITE:	Completion of Semester 1 Requirements
UNITS:	2 Units
HOURS:	2 hours per week
LENGTH:	18 Weeks
PLACEMENT:	Level I: Semester 2
CONCURRENCY:	All semester theory courses are taken concurrently with the clinical courses.
COURSE DESCRIPTION:	This course consists of content related to common health problems building on content from the previous semester with emphasis on physiological problems of the client across the lifespan. Medical/surgical and nursing management of clients with diabetes mellitus; gastrointestinal disorders; genitourinary and reproductive problems; hematological problems; and selected gynecological problems will be presented. Nursing process, collaboration, accountability, communication, education, decision-making, and social cultural sensitivity are utilized as the basis for content presentation.

COURSE OBJECTIVES: Upon satisfactory completion of the course, the student:

1. Applies the nursing process in the care of individuals with selected common health problems.
2. Utilizes therapeutic communication in the care of individuals with selected common health problems.
3. Identifies methods of developing collaborative relationships in the care of individuals with selected common health problems.
4. Describes legal/ethical behaviors which reflect accountability in the care of individuals with selected common health problems.
5. Applies a systematic method of making a choice regarding the care of individuals with selected common health problems.
6. Describes the educational needs of individuals with selected common health problems.
7. Applies sociocultural variations of individuals with selected common health problems.

STUDENT LEARNING OUTCOMES:	Students competently identify the application and implementation of appropriate medical/surgical interventions needed to provide care to adult clients with common health problems in a variety of health care settings.
TEACHING METHODS:	Class discussions, case studies, computer-adaptive instructions, videos, handouts, modules, lectures, and power-point presentations.
METHOD OF EVALUATION:	Students attain an overall cumulative score of 70% or higher on exams, quizzes, case studies, and computer assignment. A passing score indicates attainment of the student learning outcome. <u>Grade is calculated from:</u> • 2 case studies, 3.5% each, worth 7% of the grade • 2 quizzes, 6% each, worth 12% of the grade • 3 exams, 50 questions each, 27% each, worth 81% of the grade
GRADING SCALE:	The percentage grading scale is used as the method of scoring and determining the final grade in the course. (see your Student Handbook on grading policy).
REQUIRED READINGS:	Berman, A., Snyder, S. and Frandsen, G. (2016). *Fundamentals of nursing: Concepts, process, and practice (10th ed.).* Upper Saddle River, NJ: Pearson Education. Kee, J.L., Hayes, E., & McCuistion, L.E. (2015). *Pharmacology: A patient-centered nursing process approach (8th ed.).* St. Louis: Elsevier. Lewis, S., Heitkemper, M., Dirksen, S. (2014). *Medical Surgical Nursing. (9th ed.).* St. Louis: Mosby-Year Books Inc. McKinney, E. James, S.R., Ashwill, J.W., Murray, S. (2013). *Maternal-child nursing (4th ed.).* St. Louis: Elsevier Saunders.

RECOMMENDED READING:

Ackley, B.J., & Ladwig, G.B. (2014). *Nursing diagnosis handbook: An evidenced-based guide to planning care (10th ed.). St. Louis: Elsevier*

Alfaro-LeFevre, R. (2014). *Applying nursing process – a tool for critical thinking (8th ed.).* Philadelphia: J.B. Lippincott.

Carpenito-Moyet, L.J. (2010). *Nursing diagnosis: Application to clinical practice. (13th ed.).* Philadelphia: Lippincott, Williams & Wilkins

McKinney, E., et. al. (2013). Study guide to accompany *Maternal child nursing.* St. Louis: Elsevier.

Krumberger, J. M. (2005, March 1). *How to manage an upper GI bleed.* 68(3). Retrieved June 14, 2007, from http://www.rnweb.com

Movius, M. (2006, July 1). *What's causing that gut pain?* 69(7). Retrieved June 14, 2007, from http://www.rnweb.com

INSTRUCTIONAL REFERENCES:

Gastroenterology Nursing: A Core Curriculum, 4th ed. (2008). The Society of Gastroenterology Nurses and Associates, Inc.

www.aadenet.org
www.diabetes.org
www.healthy people.gov
www.urologychannel.com
www.emedicine.medscape.com
www.cdc.gov
www.emedicine.com
www.niddk.nih.gov
www.ameripros.org
www.daveproject.org

All academic policies are strictly enforced.

Unit Title: **Diabetes Mellitus**		
Objectives	**Content Outline**	**Student Activities**
A. Applies the nursing process in the care of individuals with diabetes mellitus problems. 1. Describe the pathophysiology, diagnostic tests, clinical manifestations, nursing and medical management of a patient with diabetes mellitus (Type I, II and Gestational). 2. Discusses adults, maternal and fetal risks and the complications associated with diabetes during pregnancy. 3. Discusses nursing care related to acute and chronic complications of diabetes.	A. Diabetes Mellitus 1. Overview to include cultural diversity 2. Pathophysiology • Normal insulin metabolism • Etiology 3. Clinical manifestations 4. Classifications • Type I • Type II • Secondary • Gestational 5. Diagnostic studies 6. Acute complications • Diabetic ketoacidosis (DKA) • Hyperosmolar hyperglycemic syndrome (HHS) 7. Chronic Complications • Macrovascular • Microvascular • Integumentary	**<u>Required Readings</u>:** Lewis, et.al.: Chapter 41: Metabolic Syndrome - 921-922 Chapter 49: 1153-1188 McKinney: p. 241 Pancreas p. 242 Carbohydrate Metabolism pp. 607-616 Gestational DM

Unit Title: **Diabetes Mellitus (Cont'd)**		
Objectives	**Content Outline**	**Student Activities**
B. Describes the educational needs of individuals (child, adult, gestational and elderly) with diabetes mellitus. 1. Identifies teaching needs related to nutrition, exercise, monitoring, complications and lifestyle modifications for a patient with diabetes mellitus.	B. Management of complications (acute and chronic) 1. Nutritional 2. Exercise 3. Monitoring 4. Teaching/ use of community resources 5. Body image 6. Gerontological considerations	

Unit Title: **Gastrointestinal System**

Objectives	Content Outline	Student Activities
A. Applies the nursing process in the care of individuals with selected upper gastrointestinal problems. 1. Describes the, pathophysiology, clinical manifestations and complications of upper gastrointestinal problems. 2. Describes the purpose, significance of results, and appropriate nursing care for diagnostic tests. 3. Formulates collaborative and independent nursing plans for selected upper gastrointestinal problems. 4. Describes the educational needs of individuals with selected upper gastric problems	A. Upper gastrointestinal problems 1. Pathophysiology, clinical manifestations and complications of: • Gastritis • Hiatal Hernia • Peptic Ulcer • Upper Gastrointestinal Bleeding • Gastric Cancer 2. Diagnostic tests 3. Formulates collaborative and independent nursing plans • Applies systematic method of making choices regarding care of individuals 4. Gerontological considerations 5. Educational Needs • Medical/lifestyle modification • Preprocedural, preoperative, postoperative and home care management • Pharmacological management • Nutritional management	**Required Readings:** Lewis, et.al.: GI System: Chapter 39 Upper GI Problems: Chapter 42: 924-960 GI Accessory Organ Problems: Chapter 44: 1030-1043 Lower GI Problems: Chapter 43: 961-1004 **Assignment:** Review pre and postoperative care Review GI A&P Review Cancer staging and anti-neoplastic meds from N111 and N113

Unit Title: **Gastrointestinal System (Cont'd)**		
Objectives	**Content Outline**	**Student Activities**
B. Applies the nursing process in the care of individuals with selected gastrointestinal accessory organ problems. 1. Describes the, pathophysiology, clinical manifestations and complications of accessory gastrointestinal problems. 2. Describes the purpose, significance of results, and appropriate nursing care for diagnostic tests. 3. Formulates collaborative and independent nursing plans for selected pancreatic and biliary problems. 4. Describes the educational needs of individuals with selected pancreatic and biliary problems.	B. Gastrointestinal accessory organs 1. Pathophysiology, clinical manifestations and complications of gastroaccessory system • Gallbladder disorders - Choleliathasis - Cholecysitis • Pancreatitis - Acute pancreatitis - Chronic pancreatitis 2. Diagnostic tests 3. Formulates collaborative and independent nursing plans • Applies systematic method of making choices regarding care of individuals 4. Gerontological considerations 5. Educational Needs • Lifestyle modification • Preprocedural, preoperative, postoperative and home care management • Pharmacological management • Nutritional management	

Unit Title: **Gastrointestinal System (Cont'd)**		
Objectives	**Content Outline**	**Student Activities**
C. Applies the nursing process in the care of individuals with selected lower gastrointestinal problems. 1. Describes the causes, pathophysiology, clinical manifestations, complications, nursing/collaborative management for patients with intestinal obstruction (mechanical, neurogenic), appendicitis, peritonitis, diverticulitis, hemorrhoids 2. Compares and contrasts inflammatory bowel such as ulcerative colitis and Crohn's disease, Include causes, pathophysiology, clinical manifestations, complications, and nursing/collaborative management of these disorders 3. Describes the educational needs of individuals with selected lower gastrointestinal problems.	C. Lower G.I. problems 1. Pathophysiology, clinical manifestation and complications of: • Irritable Bowel Syndrome • Diverticulitis • Inflammatory Bowel Disease (Ulcerative Colitis and Crohn's Disease) • Intestinal Obstruction (mechanical and neurogenic) • Appendicitis • Peritonitis • Hemorrhoids • Colon Cancer / Rectal Cancer -Elderly 2. Diagnostic tests 3. Formulates collaborative and independent nursing plans • Applies systematic method of making choices regarding care of individuals • Dependent interventions • Pharmacological management • Nutritional management • Patient teaching • Interventions	

Unit Title: **Gastrointestinal System (Cont'd)**		
Objectives	**Content Outline**	**Student Activities**
	4. Educational Needs: • Life style modifications • Preprocedural, preoperative, postoperative and home care management • Pharmacological management • Nutritional management	
D. Identifies methods of developing collaborative relationships in the care of individuals with selected common gastrointestinal health problems.	D. Identify methods of developing collaborative relationships in the care of individuals with selected common gastrointestinal health problems. 1. Physician 2. Dietitian/Nutritionist 3. Medical Social Worker 4. Physical Therapist 5. Psychologist 6. Occupational Therapist 7. Enterostomal Clinical Nurse Specialist 8. Pharmacist 9. Chaplain/Spiritual guide 10. Transcultural Nurse Consultant	

Unit Title: **Gynecology**

Objectives	Content Outline	Student Activities
A. Describes etiology, clinical manifestations, diagnostic test, therapeutic and nursing management of common problems of menstruation including endometriosis, benign tumors and pelvic inflammatory disease. B. Describes areas of assessment for female reproductive organs. C. Describes the nursing management of patients undergoing surgical procedures, i.e., D & C, ablations and hysterectomy.	A. Common problems of menstruation • PMS • Abnormal Uterine Bleeding • Menopause • Endometriosis • Pelvic Inflammatory Disease • Benign tumors of Reproductive System 1. Areas of Assessment • Bleeding • Pain • Vaginal discharge • Anemia • Psychosocial 2. Collaborative Management a. Diagnosis • Pelvic exam • Laparoscopic procedures b. Treatment • Surgery • Drug Therapy • D & C (see hysterectomy) • Ablations c. Nursing interventions • Non-pharmacological measures	**<u>Required Readings:</u>** Lewis, et.al. Reproductive System Chapter 51: 1220-1224, 1233-1236 Female Reproductive Problems Chapter 54: PMS 1279-1280 Abnormal Uterine Bleeding 1280-1283 Menopause 1283-1286 Endometriosis 1289-1290 PID 1287-1288 PCOS/Benign tumors 1290-1292 Kee: Chapter 37: 524-525

Unit Title **Gynecology (Cont'd)**		
Objectives	**Content Outline**	**Student Activities**
D. Describes the etiology, pathophysiology, complications, therapeutic and nursing management of: • breast cancer • endometrial cancer • cervical cancer • ovarian cancer • vulvar cancer E. Describes the educational needs of individuals with problems of female reproductive organs 1. Identifies teaching needs of individuals with problems of the female reproductive organs. 2. Discusses the teaching plans for individuals undergoing surgical procedures F. Describes sociocultural variations of individuals with problems of female reproductive organs. 1. Discusses the cultural and social impact of problems of female reproductive organs.	B. Gynecological Problems • Breast cancer • Endometrial cancer • Cervical cancer • Ovarian cancer • Vulvar / Vaginal cancer 1. Etiology 2. Clinical manifestations 3. Complications • Infertility • Metastasis 4. Therapeutic management • Medical and surgical management - Hysterectomy - Mastectomy - Radiation 5. Nursing management C. Educational needs of patient and families with gynecological problems D. Sociocultural aspects	**<u>Required Readings</u>**: Lewis, et.al.: Chapter 52: Breast cancer 1243-1259 Chapter 54: Cervical cancer 1292-1293 Endometrial cancer 1293-1294 Ovarian cancer 1294-1296 Vaginal/Vulvar cancer 1296 Surgical/Radiation Care 1297-1300 Review cancer content from N113.

Unit Title: **Sexually Transmitted Infections**		
Objectives	**Content Outline**	**Student Activities**
A. Discusses the etiology, manifestations, and nursing and medical management of sexually transmitted infections (STIs).	A. STIs (Sexually Transmitted Infections) 1. STIs caused by; • Bacteria Bacterial Vaginosis (BV) Syphilis Gonorrhea Chlamydia • Viruses- genital herpes/warts • Protozoa- trichomoniasis • Fungi- candidiasis • TORCH: Taxoplasmosis, Rubella Cytomegalovirus, Herpes 2. Disease prevention 3. Health screening 4. Treatment	**Required Readings:** McKinney STI Chapter 26: 624-630 Chapter 32: 796-803 Chapter 41: 1032-1037 Lewis STI Chapter 53: 1261-1275 **Recommended:** Google: http://www2a.cdc.gov/stdtraining/ready-to-use Division of STIs Program and training Branch; Ready to Use Modules Look for Ready-To-Use STI Curriculum for Clinical Educator

Unit Title: Blood Disorders		
Objectives	**Content Outline**	**Student Activities**
A. Identifies general areas of focus related to blood disorders 1. States general causes and characteristics of blood disorders 2. Discusses the components of a hematological assessment needed to identify blood disorders. 3. Describes common types of interventions utilized to treat blood disorders.	A. Introduction • Causes of blood disorders • Characteristics of blood disorders • Hematological Assessment Components - Health History - Physical Findings - Laboratory/Diagnostic tests • Common treatment modalities: * Specific treatments included with each disorder. - Injury prevention - Dietary guidelines - Mineral/Vitamin supplements - Blood/Blood product transfusions - Stem Cell Transplantation - Pharmacological Agents (e.g.: steroids - Surgery	**<u>Required Reading</u>**: **Review** Lewis, et. al: Chapter 30: 613-631 Chapter 31: 632-643, 647-655, 660-663 Lewis: Bridge to NCLEX p 681, exam, 1, 2, 3, 5, 6, 9

Unit Title: Blood Disorders (Cont'd)		
Objectives	**Content Outline**	**Student Activities**
B. Discusses the essential aspects of selected types of anemias 1. Explains how anemias are identified according to type and classification. 2. Identifies factors contributing to the development of selected anemias	B. Anemias • Types of Anemia - Decreased erythrocyte production - Increased erythrocyte destruction - Anemia caused by blood loss • Classification of Anemia - Morphologic - Etiologic • Factors contributing to the development of anemia - Heredity - Nutritional - Sociocultural/economic factors - Disease processes - Age - Trauma/Surgery - Medications	

Unit Title: Blood Disorders (Cont'd)		
Objectives	**Content Outline**	**Student Activities**
3. States the definitions, clinical findings, and pathophysiology of selected anemias.	• Definitions/pathophysiology of selected anemias - Iron deficiency anemia - Megaloblastic anemias « Vitamin B12 deficiency « Folic Acid deficiency - Aplastic Anemia - Anemia caused by blood loss (acute/chronic) • Clinical Manifestations/laboratory findings of anemia - Mild - Moderate - Severe	
4. Identifies common nursing diagnoses associated with anemias	• Common Nursing Diagnoses associated with anemia	
5. Describes the primary, secondary and tertiary interventions utilized when caring for individuals with selected types of anemia.	• Goals of treatment modalities • Interventions: - Primary- to include health screenings - Secondary - Tertiary « Importance of blood tests	

Unit Title: Blood Disorders (Cont'd)		
Objectives	**Content Outline**	**Student Activities**
6. Identifies the educational needs of individuals with selected anemias	• Areas of focus for patient teaching to promote self-care. - Nutrition - Medications « Administration instructions « Medications to avoid - Follow-up care « Precautions	
C. Discusses the care for an individual with a problem with hemostasis as seen in thrombocytopenia. 1. States the causes of thrombocytopenia 2. Describes the clinical manifestations to include laboratory findings 3. Identifies common nursing diagnoses associated with thrombocytopenia. 4. Explains the components of care to include primary, secondary, and tertiary interventions. 5. Discusses the educational needs of an individual with a hemostasis problem.	C. Thrombocytopenia • Causes - Decreased platelet production - Increased platelet destruction • Signs/Symptoms/Major Complications • Laboratory /Diagnostic Findings - Blood tests - Bone marrow aspiration/biopsy • Nursing Diagnoses • Treatment Modalities: Based on Causative Factor(s) - Primary - Secondary - Tertiary • Educational Needs: Focus on prevention of bleeding/hemorrhage to include injury prevention strategies.	

Unit Title: Blood Disorders (Cont'd)		
Objectives	**Content Outline**	**Student Activities**
D. Discusses the care for an individual with polycythemia 1. Describes the similarities and differences between polycythemia vera and secondary polycythemia. 2. Explains the causes for polycythemia 3. Identifies the clinical manifestations/ diagnostic studies associated with polycythemia. 4. States common nursing diagnoses identified with polycythemia. 5. Discusses common treatment modalities used for polycythemia. 6. Explains educational needs of individuals with polycythemia.	D. Polycythemia • Polycythemia Vera vs. Secondary Polycythemia • Causes of Polycythemia • Signs/Symptoms and Diagnostic studies • Nursing Diagnoses • Collaborative Care - Major goals of treatment - Primary/Secondary/Tertiary Interventions • Educational Needs: - Health promotion strategies - Medication teachings	

Unit Title: Blood Disorders (Cont'd)		
Objectives	**Content Outline**	**Student Activities**
E. Discusses the care for an individual with Neutropenia 1. Identifies the causes of neutropenia 2. Describes the clinical manifestations/ diagnostic studies 3. States common nursing diagnoses associated with neutropenia 4. Explains common practices which protect neutropenic patients 5. Discusses nursing/collaborative interventions used for neutropenic patients 6. Identifies areas of teaching which promote health and protect neutropenic patients	E. Neutropenia • Causes of Neutropenia - Medications - Various Disorders/Infection • Signs/Symptoms and Diagnostic Studies - Focus on early intervention • Nursing Diagnoses • Protective Practices: - Constant evaluation of s/s of infection - CDC recommendations • Nursing/Collaborative Management: - Primary Interventions - Secondary Interventions - Tertiary Interventions • Patient Teachings - Hygienic practices - Nutrition - Medication • Multiple Myeloma pp. 673-675 - Pathophysiology - Clinical Manifestation - Nursing/Collaborative Management	

Unit Title: **Hematology**		
Objectives	**Content Outline**	**Student Activities**
A. Identifies the nursing process in the care of individuals with problems of hemostasis, hemophilia, sickle cell crisis, and leukemia. 1. Describes the pathophysiology and clinical manifestations of anemia. 2. Describes the etiologies, diagnostic findings, clinical manifestations, therapeutic, and nursing management for selected types of blood disorders. 3. Describes the nursing considerations for blood disorders in the pediatrics and elderly populations. B. Identifies the educational needs of individuals with various blood disorders. C. Discusses the special nursing considerations when caring for patients with leukemia • Child • Adult • Elderly	A. General causes and characteristics of blood disorders. B. Selected blood disorders • Sickle cell • Hemophilia/Von Willebrand • Leukemia - Acute/chronic lymphocytic leukemia - Acute/chronic myelocytic leukemia • Lymphoma - Hodgkin's - Non-Hodgkin's C. Areas of focus for patient teaching (child, adult, & elderly) 1. Nutrition 2. Medication 3. Home care 4. Follow up care	**Required Readings:** Lewis, et. al. Sickle Cell: 644-647 Hemophilia/VW: 655-657 Leukemia: 664-669 Lymphoma: 669-673 Appendix C 1705 (Table C-2 Hematology) McKinney: Hemophilia/VonWillebrands: 1252-1256 Sickle Cell: 1244-1250 Leukemia: 1273-1275, 1280 Leukemia Care Plans: 1276-1279. Review cancer content from N113. Review drugs that affect the immune system, antineoplastic oncology drugs from N111.

Unit Title: **Genitourinary**

Objectives	Content Outline	Student Activities
A. Describes the nursing process in the care of individuals with problems of reproductive and genitourinary organs. 1. Discusses the etiology, pathophysiology, clinical manifestations, treatment modalities, and nursing interventions of individuals with problems of urinary tract/renal calculi. 2. Identifies the etiology, pathophysiology, clinical manifestations, treatment modalities, and nursing interventions of individuals with problems of male congenital anomalies. 3. Discusses the etiology, pathophysiology, clinical manifestations, treatment modalities, and nursing interventions of individuals with problems of Benign Prostatic Hyperplasia, Prostate Cancer and testicular cancer. 4. Identifies the educational needs for patients with genitourinary and reproductive disorders. 5. Discusses cultural and ethnic considerations when caring for patient with genitourinary and reproductive disorders; including human sexuality.	A. Urinary / Renal tract calculi 1. Etiology 2. Pathophysiology 3. Diagnostic tests, including potential complications - IVP - Cystoscopy 4. Clinical manifestations 5. Medical / Surgical Interventions 6. Nursing Interventions B. Male congenital anomalies 1. Hypospadias 2. Epispadias 3. Cryptorchidism 4. Testicular torsion 5. Penile problems C. Benign Prostatic Hyperplasia, Prostate Cancer, Testicular Cancer and Erectile Dysfunction (ED) 1. Etiology/incidence 2. Pathophysiology 3. Diagnostic tests - DRE - PSA / PAP 4. Clinical manifestations 5. Medical / Surgical Interventions - Invasive vs. Non-invasive - TURP and ED 6. Nursing Interventions	**Required Readings:** Lewis, et. al. - Urinary Assessment: Chapter 45: 1046-1063, 1051-1055 Chapter 45: Bridge to NCLEX Exam p. 1063, #1 and #3 - Renal Problems: Chapter 46: 1076-1082 - Male Reproductive Problems: Chapter 51: 1225-1226, 1229-1230 Chapter 55: 1307-1333 McKinney - Hypospadias/Epispadias: 1127-1128 - Cryptorchidism: 1126-1127 **Discussion Topic**: Prepare to discuss the patient with 1. BPH 2. Prostate Cancer 3. Testicular Cancer 4. Prostatitis