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

Nursing 123:

MEDICAL SURGICAL NURSING

Fall 2020

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:	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 will:

1. Demonstrate understanding of the nursing process for safe patient-centered care of individuals with an emphasis on selected common health problems.

2. Utilize therapeutic communication techniques and use of nursing informatics in the care of individuals with common health problems.

3. Discuss teamwork and collaborative relationships to improve the care of individuals with selected common health problems.

4. Describe legal-ethical issues and behaviors that reflect the value of professional accountability to improve the quality of care for individuals with selected common health problems.

5. Discuss collaborative interventions in decision making for individuals with common health problems.

6. Discuss evidence-based health teaching to meet the educational needs of individuals with common health problems.

7. Identify sociocultural factors that impact the patient-centered care of individuals with 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.
**Due to Covid-19, lecture format will be audio PowerPoint presentations. Each lecture will be posted on the School website the week the lecture is scheduled. All questions following the presentation will be answered via email by the lecturer.

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.

Grade is calculated from:

- 1 quiz, 6.5% of the grade
- 6 Prep U assignments worth 6.5% of the grade
- 3 exams, 50 questions each, 29% each, worth 87% 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:

Frandsen, G., & Pennington, S.S. (2018). *Abrams' Clinical Drug Therapy: Rationales for nursing practice* (11th ed.). Philadelphia, PA: Lippincott Williams & Wilkins.

Hinkle, J., & Cheever, K.H. ((2018). Brunner & Suddarth's *Textbook of Medical-Surgical nursing* (14th ed.). Philadelphia, PA: Lippincott Williams & Wilkins.

McKinney, E., James, S., Murray, S., Nelson, K., & Ashwill, J., (2018). *Maternal-child nursing (5th ed.).* St. Louis: Elsevier.

Taylor, C., Lillis, C., Lynn, P., & LeMone, P. (2019.) *Fundamentals of Nursing: The Art and Science of Person-Centered Nursing Care.* (9th ed.) Philadelphia, PA: Lippincott Williams & Wilkins.

RECOMMENDED READING:

Ackley, B.J., & Ladwig, G.B. (2017). *Nursing diagnosis handbook: An evidenced-based guide to planning care (11th 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. (2017). *Nursing diagnosis: Application to clinical practice. (15th ed.).* Philadelphia: Lippincott, Williams & Wilkins

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.

For any conflict or issue, students must first meet with their respective instructor to discuss a solution. If issue is not resolved, students must adhere to the appropriate chain of command starting with the Semester Coordinator, SON Dean, and Provost

N123 Medical Surgical Nursing Fall 2020

Hinkle & Cheever: Brunner & Suddarth's Textbook of Medical-Surgical Nursing, Fourteenth Edition class:

Your CLASS CODE is: 85D31BEC

To have your students enroll, send them the class code and the following instructions. You can simply copy and paste the text below.

Copy and paste the following:

1. If you don't already have access to Lippincott CoursePoint+ for Hinkle & Cheever: Brunner & Suddarth's Textbook of Medical-Surgical Nursing, Fourteenth Edition, redeem your **ACCESS CODE** and complete registration at http://thePoint.lww.com/activate.

2. From the **"My Content"** page, click on Lippincott CoursePoint+ for Hinkle & Cheever: Brunner & Suddarth's Textbook of Medical-Surgical Nursing, Fourteenth Edition.

3. On the welcome screen or from **"My Classes"**, select **"Join a Class"**, enter your **CLASS CODE**: **85D31BEC**, and click **"Enroll"**.

If you experience any problems, check the code again and re-enter it. If it does not work, contact Lippincott Online Product Support at 1-800-468-1128 or techsupp@lww.com for assistance.

Not sure what an **ACCESS CODE** is?
Learn more at http://thepoint.lww.com/Help/BookAccess.

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 • Prediabetes 5. Diagnostic studies 6. Acute complications • Hypoglycemia (Insulin Reactions) • Diabetic ketoacidosis (DKA) • Hyperosmolar hyperglycemic syndrome (HHS) 7. Chronic Complications • Macrovascular • Microvascular • Neuropathies (Peripheral, autonomic) • Integumentary	**Required Readings**: Hinkle & Cheever.: Metabolic Syndrome – pp.753 & 1459 Diabetes Mellitus Chapter 51: pp.1456-1500 McKinney: p. 220 Pancreas p. 221 Carbohydrate Metabolism pp. 549-557 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: **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 • Imaging c. Nursing interventions • Non-pharmacological measures	**<u>Required Readings:</u>** Hinkle & Cheever Reproductive Function Chapter 56: 1653-1657 Chapter 56: Menstrual Disorders 1666-1669 Menopause 1681-1684 Diagnostic Procedures 1660-1665 Chapter 57: Reproductive Disorders Endometriosis 1704-1705 PID 1695-1696 PCOS/Benign tumors/Cyst 1702-1704

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>**: Hinkle & Cheever: Chapter 58: Breast cancer 1719-1749 Cont. Reproductive Disorders Chapter 57: Cervical cancer 1706-1708 Endometrial cancer 1708-1709 Ovarian cancer 1712-1713 Vaginal/Vulvar cancer 1709-1712 Surgical/Radiation Care 1714-1717 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: Toxoplasmosis, Rubella Cytomegalovirus, Herpes 2. Disease prevention 3. Health screening 4. Treatment	**Required Readings:** McKinney STI Chapter 26: 564 Chapter 32: 711-715 Chapter 41: 926-930 Hinkle & Cheever STI Chapter 57: 1687-1696 Chapter 71: 2146-2150 **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: **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: • Hiatal Hernia • Diverticulitis • Esophageal perforation • Foreign bodies & Chemical burns • Gastroesophageal reflux disease (GERD) • Peptic Ulcer • Barrett Esophagus • Mallory-Weiss tear • Esophageal varices • Cancer of the esophagus 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:** Hinkle & Cheever.: Digestive & GI Function: Chapter 43:1224-1241 Assessment & Diagnostic Evaluation Chapter 44: 1243-1258 GI Treatment Modalities Chapter 45:1264-1267,1269-1272, 1279-1289 Oral & Esophageal Disorders Chapter 46: Gastric & Duodenal Disorders 1292-1309 Chapter 47: Intestinal & Rectal Disorders 1311-1340, 1343-1349,1351-1353 Chapter 49: Esophageal Varices 1388-1390 Chapter 50: Gallbladder & Pancreas 1428-1454 **Assignment:** Review pre and postoperative care Review GI A&P, Cancer staging from N113 and anti-neoplastic meds from N111

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. Digestive accessory organs/Duodenal disorders 1. Pathophysiology, clinical manifestations and complications of gastric and duodenal accessory organs • Gastritis • Peptic Ulcer • Gastric cancer • Gallbladder disorders - Cholecystitis - Cholelithiasis • Pancreatitis - Acute pancreatitis - Chronic pancreatitis - Cancer of the pancreas 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. Intestinal and rectal disorders (Lower GI problems) 1. Pathophysiology, clinical manifestation and complications of: • Constipation • Diarrhea • Irritable Bowel Syndrome (IBS) • Peritonitis • Appendicitis • Diverticular • Intestinal Obstruction (mechanical and functional or paralytic) • Small bowel • Large bowel • Inflammatory Bowel Disease (Crohn's Disease and Ulcerative Colitis) • Colon Rectal Cancer • Hemorrhoids • Pilonidal sinus or cyst 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: **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 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:** Hinkle & Cheever - Urinary Assessment: Chapter 53: 1555-1565, - Renal Problems: Tract Calculi Chapter 55: 1632-1637 - Male Reproductive Problems: Chapter 59: 1753-1786 McKinney - Hypospadias/Epispadias: 1013-1014 - Cryptorchidism: 1012-1013 **Discussion Topic**: Prepare to discuss the patient with 1. BPH 2. Prostate Cancer 3. Testicular Cancer 4. ED 5. Renal Calculi

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** Hinkle & Cheever • Assessment of Hematologic Function & Treatment modalities Chapter 32: 902-914 • Hematologic problems Chapter 33:925-935 941-951, 956-959, 963-966, 984-987 Thalassemias Immune Hemolytic Anemias Polycythemia Neutropenia Lymphopenia Thrombocytopenia Platelet Defects= Disseminated Intravascular Coagulation (DIC) • Multiple myeloma Chapter 34: 993-998 -Pathophysiology -Clinical Manifestation -Nursing/Collaborative Management

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 3. States the definitions, clinical findings, and pathophysiology 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 • 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	

Unit Title: Blood Disorders (Cont'd)		
Objectives	**Content Outline**	**Student Activities**
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. 993-998 - 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	**<u>Required Readings:</u>** Hinkle & Cheever Chapter 33 Sickle Cell: 935-941 Hemophilia/VW: 951-956 Chapter 34 Leukemia: 970-981 Lymphoma: 988-993 McKinney: Hemophilia/Von Willebrands: 1129-1134 Sickle Cell: 1120-1128 Leukemia: 1148-1155 Lymphoma: 1158-1161 Review cancer content from N113. Review drugs that affect the immune system, antineoplastic oncology drugs from N111.