

North Central **Michigan College**

NCMC MASTER COURSE SYLLABUS: Last Updated 12/4/2009

DIVISION/AREA: Nursing and Allied Health

DEPARTMENT: Nursing

AREA DEAN: Timothy Dykstra, PhD

ORIGINATOR: Polly L Flippo

TOTAL HOURS OF INSTRUCTION: Lecture: 2 Lab: 0 Clinical 0 Total Contact Hours: 35.2

COURSE NUMBER: N131

CREDIT HOURS: 2

COURSE TITLE: Introduction to Care of Adult

PREREQUISITE(S): N101, N102; N 135; BIO 236

COREQUISITE(S): N 132

CATALOG DESCRIPTION: An introductory level medical/surgical course with a focus on common pathophysiological changes in the adult client. Emphasis is on theories of health and illness. The nursing process is used to illuminate nursing care with continued development of assessment, implementation and procedural skills.

COURSE OBJECTIVES & OUTCOMES:

Laboratory Values:

1. Describe purpose for each of the different tests
2. Identify normal and abnormal results
3. State most common reasons for abnormal results
4. Identify any required patient preparation needed before lab tests are obtained

Stress:

1. Describe the three stages of Selye's general adaptation syndrome
2. Describe the role of the nervous and endocrine systems in the stress process
3. Describe the effects of stress on the immune system

Inflammation and Infection

1. Describe the inflammatory response, including vascular and cellular responses and exudate formation
2. Explain local and systemic manifestations of inflammation and their physiological bases
3. Differentiate among healing by primary, secondary, and tertiary intention

4. Describe factors that delay wound healing and common complications of wound healing.

Pre-operative Care

1. Identify the common purposes of surgery.
2. Describe the purpose and components of a pre-operative assessment
3. Explain the components and purpose of informed consent for surgery
4. Describe the nurses role in the preparation of the patient for surgery
5. Identify purposes of pre-operative medications
6. Identify the special considerations of preoperative preparation of the older adult surgical patient

Operative Care

1. Describe functions of the members of the surgical team
2. Discuss role of the perioperative nurse when managing care of the patient undergoing surgery.
3. Describe basic principles of aseptic technique
4. Differentiate between types of anesthesia, including advantages and disadvantages

Post-operative Care

1. Identify components of an initial postanesthesia assessment
2. Describe the initial nursing assessment and management immediately after transfer from the PACU to the general care unit.
3. Explain the etiology, assessment and management of potential complications during the post-operative period
4. Identify information needed by the post-operative patient in preparation for discharge

Endocrine System

1. Identify the location of endocrine glands and characteristics and functions of hormones they secrete.
2. Describe the pathophysiology, clinical manifestations, collaborative care and nursing care of patients with an imbalance of pituitary hormones, thyroid hormones, parathyroid hormones, and adrenal hormones.
3. Describe the systemic effects of medications used for replacement therapy.
4. Describe the pathophysiology and clinical manifestations of diabetes mellitus.
5. Describe differences between type 1 and type 2 diabetes mellitus
6. Identify manifestations and treatment of hypo/hyperglycemia
7. Identify pathophysiology, clinical manifestations, and treatment of acute and chronic complications of diabetes mellitus
8. Describe the components of management of diabetes mellitus
9. Identify nursing interventions and outcomes for nursing diagnosis and collaborative problems related to care of the client with diabetes.

Hematologic System

1. Describe the general clinical manifestations and complications of anemia
2. Describe the specific manifestations and management of specific types of anemia
3. Describe the pathophysiology and nursing and collaborative management of: polycythemia vera, thrombocytopenia, DIC, multiple myeloma
4. Compare Hodgkin's and non-Hodgkin's lymphoma in terms of staging, collaborative and nursing management.
5. Describe nursing management of the patient receiving a blood transfusion.

METHODS OF INSTRUCTION:

This course uses a variety of teaching methods to assist the student to achieve success: lecture, discussion, audio-visual aids, interactive video, case studies, and assigned readings.

METHODS OF EVALUATION:

Exams, quizzes, prep sheets, clinical evaluation, drug card test, math competency exam.

REQUIRED TEXTS:

Medical Surgical nursing text and study guide

Drug guide

Medical dictionary

Nursing care planning guide

Medication math calculation text

Laboratory and diagnostic tests text

Reasonable accommodations may be provided for students with documented physical, sensory, cognitive, systemic and psychiatric disabilities. Please contact Learning Support Services at 231-348-6682 to arrange for this course.

TIME ALLOWANCE AND SEQUENCE OF INSTRUCTION:

DATE	TOPIC
1.	Course Overview Gordon's Functional Health Patterns and Prep Sheet
2.	Interpreting Common Lab Values
3.	Inflammation, Wound Healing Stress Response
4.	Pre-operative Care
5.	Care of the Operative Patient Care of the Post-operative Patient
6.	Overview Endocrine System
7.	Adrenals/Pituitary Disorders
8.	Thyroid/Parathyroid Disorders
9.	Diabetes
10.	Diabetes
11.	Diabetes
12.	Diabetes
12.	Anemia and Platelets Disorders
13.	Ammono and Platelets Disorders WBC's and Lymph Disorders
14.	WBC and Lymph Disorders
15.	Final exam