

**Northern Marianas College**  
**CURRICULUM ACTION REQUEST**

**Effective Semester / Session:** Fall 2013

**Type of Action:**

- New
- Modification
- Move to Inactive (Stop Out)
- Cancellation

**Course Alpha and Number:** NU 107

**Course Title:** Medical-Surgical Nursing I

**Reason for initiating, revising, or canceling:**

This course guide is being updated to reflect changes in the General College Catalog (March 2011 update), implementation of contact hours for coordination and preparation of student's clinical experience, supervision of nursing students in the clinical sites, nursing program grading policy, and revision of Associate in Science Degree in Nursing Individualized Degree Plan (IDP) 2012.

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Rosa M. Tudela, RN

3/20/13

Proposer

Date



Rosa M. Tudela, RN

3/20/13

Department Chair, Nursing

Date



Barbara K. Merfalen

3.26.14

Dean of Academic Programs and Services

Date

# Northern Marianas College

## Course Guide

Course: NU 107 Medical-Surgical Nursing I

**1. Department**  
Nursing

**2. Purpose**

The purpose of this course is to lay the foundations of medical-surgical nursing in order to obtain an Associate in Science in Nursing degree. This course provides an introduction to the use of the Nursing Process to assist clients to meet needs related to alternations in physiological and psychosocial functioning. This course involves the changes and problems encountered throughout the life span from wellness to illness. It involves a study of Pathophysiology of disease processes, application of communication and assessment skills, and the nursing process. The target population is student in the second semester of the four-semester Associate in Science in Nursing Degree Program. The course is required for this degree. Upon completion of the program and after passing the nursing licensure examination, nursing graduates will be prepared to occupy Registered Nurse (RN) positions in the Commonwealth of the Northern Mariana Islands (CNMI).

**3. Description**

**A. Required/Recommended Textbook(s) and Related Materials**

Required:

LeMone, Priscilla, and Karen Burke. *Medical-Surgical Nursing, Critical Thinking in Client Care*. 5<sup>th</sup> ed. Upper Saddle River, NJ: Prentice Hall Health, 2011.

Readability level: Grade 11.8

Altman, Gaylene B. *Delmar's Fundamental & Advanced Nursing Skills*. 2<sup>nd</sup> ed. Clifton Park, NY: Delmar Learning, 2004.

Readability level: Grade 8.5

*Mosby's Dictionary of Medicine, Nursing and Health Professions*. 7<sup>th</sup> ed. St. Louis, MO: Mosby, Inc., 2006.

Readability level: Not known

Deglin, Judith, and April Vallerand. *Davis Drug Guide for Nurses*. 9<sup>th</sup> ed. Pennsylvania: F. A. Davis Company, 2005.

Readability level: Not known

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Gaedeke, M. K. *Laboratory & Diagnostic Test Handbook*. California: Addison-Wesley Nursing, 1996.

Readability level: Grade 11.6

Gulanick, Meg, Judith Myers, et al. *Nursing Care Plans: Nursing Diagnosis and Intervention*. 6th ed. St. Louis, MO: Mosby, Inc., 2007.

Readability level: Grade 12

### B. Contact Hours

1. **Lecture:** 4 hours per week / 60 hours per semester
2. **Lab:** Lab/clinical 15 hours per week / 225 hours per semester
3. **Other:** None

### C. Credits

1. **Number:** 8
2. **Type:** Regular degree credits

### D. Catalogue Course Description

This course introduces the theory and clinical concepts of caring for the client throughout the lifespan. This course utilizes the nursing process to assist medical-surgical clients requiring maximal adaptation to meet basic physiological and psychosocial needs. This course provides a brief review of basic client care skills and explores more complex skills. Once these skills are demonstrated satisfactory in laboratory, the student will be able to apply these skills in the clinical setting. Prerequisites: A "C" grade or higher in NU 105, NU 124, and NU 209, or approval of the Nursing Department Chair. English Placement Level: EN 202. Math Placement Level: MA 161. (Offered Fall)

### E. Degree or Certificate Requirements Met by Course

This course fulfills one of the requirements for the Associate in Science in Nursing degree.

### F. Course Activities and Design

This course will consist of four hours per week of theory instruction in the classroom and 15 hours per week in a clinical or lab setting to practice client skills. Activities include: lectures, discussions, group activities, computerized learning programs, Internet resources, audiovisual programs, and demonstrations. Guest speakers will be invited as scheduling permits. The instructor will use relevant clinical

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examples to illustrate key concepts to facilitate the student's understanding. Case studies will be used to help students apply knowledge and anticipate decisions they will be making in clinical practice. The student will be expected to obtain client information and thoroughly prepare for the clinical experience prior to caring for the client. The students will be expected to write Nursing Care Plans (NCP) on clients they are assigned to in the clinical setting.

**4. Course Prerequisite(s); Concurrent Course Enrollment; Required English/Mathematics Placement Level(s)**

Prerequisite(s): A "C" grade or higher in NU 105, NU 124, and NU 209, or approval of the Nursing Department Chair.

English Placement Level: EN 202

Math Placement Level: MA 161

**5. Estimated Cost of Course; Instructional Resources Needed**

Cost to the Student: Tuition for an 8-credit course, textbooks, course fee, BLS/CPR fee, student activities fee, physical exam, uniforms, required clinical equipments and supplies.

Cost to the College: Instructor's salary; Lead Course Instructor – gets 3 credits for coordination and preparation of student's clinical experience. Nursing instructor(s) assigned to supervision of nursing students in the clinical site gets 1 credit per student. Commonwealth Healthcare Corporation (CHCC) policy for instructor to student ratio is 1:10. Nursing Department has to abide by this policy for patient safety. Patient safety is a priority. Mileage reimbursement for full-time instructors will be given during clinical.

Instructional resources needed for this course include: Lab/medication cards, BLS/CPR fee, laboratory supplies, videotaped materials, TV/VCR, CD-ROM, computer software programs, pens, paper, overhead projector and transparencies, chalk, markers, NMC Internet access, diskettes, copier machine, copier paper and toner.

**6. Method of Evaluation**

Student grades will be based on the regular letter grade system as described below:

A: Excellent – grade points: 4.0;

B: Above average – grade points: 3.0;

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- C: Average – grade points: 2.0;
- D: Below average – grade points: 1.0;
- F: Failure – grade points: 0.0.

The Nursing Department utilizes the following grading scale to assign letter grades to grade percentages:

- A: 92-100%
- B: 82-91%
- C: 75-81%
- D: 60-74%
- F: 0-59%

If a nursing course contains a clinical component, student grades will also be based on these grade percentages. The student must pass both the clinical and the theory with 75% or higher in order to pass the course. **This course has a clinical component.**

NMC's and the Nursing Department's attendance policies will be followed.

### 7. Course Outline

This is a topical outline and does not necessarily indicate the sequence in which the material will be presented.

- 1.0 Dimensions of Medical-Surgical Nursing Practice
  - 1.1 The medical-surgical nurse
    - 1.1.1 Roles of the nurse in medical-surgical practice
    - 1.1.2 Framework for practice: The nursing process
    - 1.1.3 Issues and trends in medical-surgical nursing
  - 1.2 The client in health and illness
    - 1.2.1 The client's response to health and illness
    - 1.2.2 The family's response to the health and illness
- 2.0 Alternations in Patterns of Health
  - 2.1 Nursing care of clients in pain
  - 2.2 Nursing care of clients with alternations in fluid, electrolyte or acid base balance
    - 2.2.1 Normal fluid and electrolyte balance
    - 2.2.2 Fluid and electrolyte imbalances
  - 2.3 Nursing care of clients having surgery
  - 2.4 Nursing care of clients with infection
  - 2.5 Nursing care of clients with cancer

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- 2.5.1 Incidence, prevalence and risk factors
- 2.5.2 Pathophysiology
- 2.6 Nursing care of clients experiencing loss, grief, and death
  - 2.6.1 Theories of loss, grief, and dying
  - 2.6.2 Factors affecting responses to loss
- 3.0 Responses to Altered Integumentary Structure and Function
  - 3.1 Assessing clients with integumentary disorder
  - 3.2 Nursing care of clients with integumentary disorders
- 4.0 Responses to Altered Endocrine Function
  - 4.1 Assessing clients with endocrine disorders
  - 4.2 Nursing care of clients with endocrine disorders
    - 4.2.1 Disorders of the thyroid gland
    - 4.2.2 Disorders of the adrenal glands
  - 4.3 Nursing care of clients with diabetes mellitus
- 5.0 Response to Altered Nutrition
  - 5.1 Assessing clients with nutritional disorders and gastrointestinal disorders
  - 5.2 Nursing care of clients with nutritional disorders
  - 5.3 Nursing care of clients with upper gastrointestinal disorders
- 6.0 Response to Altered Bowel Elimination
  - 6.1 Assessing clients with bowel elimination disorders
  - 6.2 Nursing care of clients with bowel motility
    - 6.2.1 Disorders of intestinal motility
    - 6.2.2 Acute inflammatory and infections disorders
- 7.0 Responses to Altered Urinary Elimination
  - 7.1 Assessing clients with urinary elimination disorders
  - 7.2 Nursing care of clients with urinary tract disorders
- 8.0 Responses to Altered Cardiac Function
  - 8.1 Assessing clients with cardiac disorders
  - 8.2 Nursing care of clients with coronary heart disease
    - 8.2.1 Disorders of myocardial perfusion
  - 8.3 Nursing care of clients with cardiac disorders
    - 8.3.1 Heart failure

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- 9.0 Response to Altered Peripheral Tissue Perfusion
  - 9.1 Assessing clients with hematologic, peripheral vascular and lymphatic disorders
  - 9.2 Nursing care of clients peripheral vascular and lymphatic disorders
    - 9.2.1 Disorders of blood pressure regulation
  
- 10.0 Responses to Altered Respiratory Function
  - 10.1 Assessing clients with respiratory disorders
  - 10.2 Nursing care of clients with upper respiratory disorders
  - 10.3 Nursing care of clients with lower respiratory disorders
    - 10.3.1 Infections and Inflammatory disorders
    - 10.3.2 Obstructive disorders of the airways
    - 10.3.3 Interstitial pulmonary disorders
    - 10.3.4 Pulmonary vascular disorders
    - 10.3.5 Lung cancer
  
- 11.0 Responses to Altered Musculoskeletal Function
  - 11.1 Assessing clients with musculoskeletal disorders
  
- 12.0 Responses to Altered Visual and Auditory Function
  - 12.1 Assessing clients with eye or ear disorders
  - 12.2 Nursing care of clients with eye or ear disorders
  
- 13.0 Response to Altered Sexual and Reproductive Function
  - 13.1 Assessing clients with reproductive system disorders
  - 13.2 Nursing care of men with reproductive system disorders
  - 13.3 Nursing care of women with reproductive disorders
    - 13.3.1 The perimenopausal women
    - 13.3.2 Menstrual disorders
    - 13.3.3 Structural disorders
    - 13.3.4 Disorders of female reproductive tissue
    - 13.3.5 Disorders of sexual expression
  - 13.4 Nursing care of clients with sexually transmitted infections

### 8. Instructional Goals

This course will introduce students to:

- 1.0 Dimensions of medical-surgical nursing, including the role of the nurse, the nursing process, issues and trends in nursing, and the response of clients and their families to health and illness;

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- 2.0 Nursing care of clients having alternations in patterns of health, including pain, fluid and electrolyte balances, surgery, infections, cancer, and loss and grief;
- 3.0 Assessment and nursing care of clients having Integumentary disorders;
- 4.0 Nursing care of clients having alternations in endocrine functions, including assessment and basic care of clients with thyroid and parathyroid disorders and diabetes mellitus;
- 5.0 Nursing care of clients having alternations in nutrition, including assessment and basic care of clients with nutritional, upper gastrointestinal and gastric disorders;
- 6.0 Assessment and basic care of clients having bowel disorders;
- 7.0 Assessment and nursing care of clients with urinary tract disorders;
- 8.0 Nursing care of clients having alternations in cardiac function, including assessment and basic care of clients with cardiac disorders and coronary heart disease;
- 9.0 Assessment of clients with Peripheral vascular. Hematologic and lymphatic disorders;
- 10.0 Nursing care of clients having alternations in respiratory functions, including assessment and basic care of clients with respiratory disorders;
- 11.0 Nursing care of clients having alternations in Musculoskeletal function, including assessment and basic care of clients with Musculoskeletal disorders;
- 12.0 Assessment and nursing care of clients having alternations in visual and auditory function; and
- 13.0 Nursing care of clients having alternations in sexual and reproductive disorders, including assessment, basic care of female clients with reproductive disorders, and basic care of clients with sexually transmitted diseases.



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### 9. Student Learning Outcomes

Upon successful completion of this course, students will be able to:

- 1.0 Integrate cultural, sociological, biological, and psychological knowledge in the basic care of the medical-surgical client;
- 2.0 Perform nursing assessments on clients with the following medical conditions:
  - 2.1 Integumentary system disorders;
  - 2.2 Endocrine system disorders;
  - 2.3 Nutritional, upper and lower gastrointestinal disorders;
  - 2.4 Bowel elimination disorders;
  - 2.5 Urinary elimination disorders;
  - 2.6 Cardiac function disorders, including hematologic, peripheral vascular, and lymphatic diseases;
  - 2.7 Upper and lower respiratory system disorders;
  - 2.8 Musculoskeletal system disorders;
  - 2.9 Visual and auditory function disorders; and
  - 2.10 Sexual and reproductive disorders;
- 3.0 Provide basic nursing care to clients with the following medical conditions:
  - 3.1 Integumentary system disorders;
  - 3.2 Endocrine system disorders;
  - 3.3 Nutritional, upper and lower gastrointestinal disorders;
  - 3.4 Bowel elimination disorders;
  - 3.5 Urinary elimination disorders;
  - 3.6 Cardiac function disorders, including hematologic, peripheral vascular, and lymphatic diseases;
  - 3.7 Upper and lower respiratory system disorders;
  - 3.8 Musculoskeletal system disorders;
  - 3.9 Visual and auditory function disorders;
  - 3.10 Sexual and reproductive disorders; and
  - 3.11 Alterations in patterns of health, including pain, fluid and electrolyte imbalances, surgery, infection, cancer, loss and grief.

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### 9. Assessment Measures

Assessment of student learning may include, but not be limited to, the following:

- 1.0 Demonstration of knowledge in course content by successfully completing quizzes, examinations, case studies, nursing care plans, written assignments and computer assignments;
- 2.0 Practice nursing skills in the skills lab and give acceptable return demonstrations without assistance before student can perform those skills in the clinical setting;
- 3.0 Students are expected to obtain client information on their assigned patients/clients and be thoroughly prepared for the clinical experience prior to providing care. The student's clinical evaluations are based on knowledge, skill and behavioral criteria. An unsatisfactory evaluation in clinical component automatically constitutes a failure in this course;
- 4.0 The clinical component of the course is graded on a grade percentages described under Method of Evaluation;
- 5.0 Attendance: There is limited amount of absenteeism one may have and still successfully complete the course. When students miss a day, they will be required to do an assignment to make up for material taught on that day;
- 6.0 The student must attain a grade of "C" or higher which is 75% or higher in both theory and clinical in order to pass the course.