

NRN 220: ACUTE COMPLEX ALTERATIONS IN HEALTH

New Course Proposal

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Originator

sfry

Co-Contributor(s)

Name(s)

Montalvo, Rosy

Kinsey, Lisa

Fry, Sarah

Camargo, Monica

Justification / Rationale

Major Curriculum Revision. Editing course based on accrediting agency feedback.

Effective Term

Fall 2024

Credit Status

Credit - Degree Applicable

Subject

NRN - Nursing

Course Number

220

Full Course Title

Acute Complex Alterations in Health

Short Title

ACUTE CMPLX ALT HLTH

Discipline

Disciplines List

Nursing

Modality

Face-to-Face

Catalog Description

This course focuses on promoting, maintaining, or restoring the health of adult clients with acute and complex alterations in health. Previously learned nursing principles will be used as building blocks to plan care for the needs of clients. Program concepts of professionalism, evidence-based practice, holistic client-centered care, communication, and safety are integrated throughout the course. Students must be concurrently enrolled in NRN 220C and 220L. Prerequisite: NRN 210

Schedule Description

This course focuses on promoting, maintaining, or restoring the health of adult clients with acute and complex alterations in health. Students must be concurrently enrolled in NRN 220C and 220L. Prerequisite: NRN 210

Lecture Units

3

Lecture Semester Hours

54

In-class Hours

54

Out-of-class Hours

108

Total Course Units

3

Total Semester Hours

162

Required Text and Other Instructional Materials**Resource Type**

Book

Open Educational Resource

No

Formatting Style

APA

Author

American Psychological Association

Title

Publication Manual of the American Psychological Association

Edition

7th

Publisher

American Psychological Association

Year

2020

College Level

Yes

Flesch-Kincaid Level

12.21

ISBN #

978-1-4338-3217-8

Resource Type

Web/Other

Open Educational Resource

No

Year

2020

Description

Lippincott's Course Point+Enhanced for Med/Surg w/NextGen VSims, Honan's 2nd ed.

Resource Type

Book

Open Educational Resource

Yes

Formatting Style

APA

Author

Chippewa Valley Technical College

Title

Nursing Pharmacology

Publisher

XanEdu

Year

2020

College Level

Yes

ISBN #

13: 987-1-73491-411-5

Resource Type

Web/Other

Year

2020

Description

Lippincott's DocuCare

Resource Type

Web/Other

Open Educational Resource

No

Year

2020

Description

Lippincott's Skills for Nursing Education

Resource Type

Web/Other

Open Educational Resource

No

Year

2021

Description

Dudek- Lippincott Course Point Enhanced for Nutrition-9th edition

Class Size Maximum

30

Entrance Skills

Knowledge of homeostasis within the body.

Requisite Course Objectives

NRN 210-Explore the nursing role in health promotion and disease prevention specific to clients with various chronic health alterations include the following: diet, medication, exercise, home management, and community resources.

NRN 210-Respiratory System

Correspond general pathophysiologic changes with evidenced-based nursing management for the client with chronic alterations of the respiratory system.

NRN 210-Cardiovascular System

Describe the etiology and pathophysiology of various chronic cardiovascular alterations.

NRN 210-Cardiovascular System

Analyze cardiac pathophysiology inclusive of preload, afterload, contractility, and stroke volume and how these concepts relate to chronic cardiovascular disorders.

NRN 210-Neurological System

Describe the etiology and pathophysiology of various chronic neurological alterations.

NRN 210-Renal And Hepatic System

Examine client-centered, evidenced-based interventions for clients with hepatitis, cirrhosis, pancreatitis, alcoholism, and gastrointestinal bleeding.

NRN 210-Renal And Hepatic System

Describe the etiology and pathophysiology of various chronic hepatic alterations.

NRN 210-Discuss common nutritional deficiencies found in clients with alcoholism.

NRN 210-Describe the nurse's role in safety concerns, prevention of complications, and exacerbations for clients with immunologic alterations.

NRN 210-Compose nursing interventions to promote safety and decrease risk of falls and aspiration related to chronic neurological system alterations

Entrance Skills

Knowledge of chronic health alterations and care of patients with said alterations.

Requisite Course Objectives**NRN 210-Respiratory System**

Summarize client centered evidenced based interventions for clients with COPD, tuberculosis (latent and active), Occupational Lung Disease, pleural effusion, fibrosis, pulmonary hypertension, and pneumonia.

NRN 210-Respiratory System

Analyze required components for implementation of Sepsis protocols for clients with chronic alterations of the respiratory system.

NRN 210-Respiratory System

Examine medications, including knowledge of indications, actions, contraindications, side effects, adverse effects, and Nursing implications that are commonly used to treat chronic alterations of the respiratory system.

NRN 210-Cardiovascular System

Describe the etiology and pathophysiology of various chronic cardiovascular alterations.

NRN 210-Cardiovascular System

Summarize client centered evidenced based interventions for hypertension (HTN), angina, heart failure, vascular disorders (Peripheral Artery Disease, Peripheral Vascular Disease), coronary artery disease, cardiac inflammatory disorders, conduction disorders, and valvular disorders.

NRN 210-Cardiovascular System

Discuss medications, including knowledge of indications, actions, contraindications, side effects, adverse effects, and Nursing implications that are commonly used to treat chronic alterations of the cardiovascular system.

NRN 210-Neurological System

Describe the etiology and pathophysiology of various chronic neurological alterations.

NRN 210-Neurological System

Examine medications, including knowledge of indications, actions, contraindications, side effects, adverse effects, and Nursing implications that are commonly used to treat chronic alterations of the neurological system.

NRN 210-Renal And Hepatic System

Analyze risk factors, assessment findings, and lifestyle modifications that are necessary when working with clients with chronic alterations of the renal system.

NRN 210-Renal And Hepatic System

Explain medications, including knowledge of indications, actions, contraindications, side effects, adverse effects, and Nursing implications that are commonly used to treat chronic alterations of the renal system

NRN 210-Renal And Hepatic System

Describe the etiology and pathophysiology of various chronic hepatic alterations.

NRN 210-Immunology (Human Immunodeficiency Virus (HIV)/ Acquired Immunodeficiency Syndrome (AIDs), Lupus (SLE), Autoimmune disorders, Hypersensitivity Reactions, Alloimmune Hypersensitivity Response)

Summarize the etiology and pathophysiology of immunologic chronic alterations.

NRN 210-Immunology (Human Immunodeficiency Virus (HIV)/ Acquired Immunodeficiency Syndrome (AIDs), Lupus (SLE), Autoimmune disorders, Hypersensitivity Reactions, Alloimmune Hypersensitivity Response)

Prioritize nursing interventions for the client with chronic immunological health alterations.

NRN 210-Formulate strategies to promote appropriate nutritional and fluid intake for clients with chronic renal alterations.

NRN 210-Devise teaching plans that include causes of exacerbations, signs and symptoms to report to their provider, risk factors, and strategies to promote optimal wellness for clients with chronic alterations.

NRN 210-Compose nursing interventions to promote safety and decrease risk of falls and aspiration related to chronic neurological system alterations

Entrance Skills

Steadily increasing skills regarding pharmacology and administration of medications.

Requisite Course Objectives

NRN 210-Compare anatomical locations for Central lines and Implanted ports and reasons for insertion based on infusion devices and solution viscosity

NRN 210-Respiratory System

Formulate prioritized client centered plans of care for clients receiving oxygen therapy, nebulizer, incentive spirometry, and chest physiotherapy.

NRN 210-Respiratory System

Examine medications, including knowledge of indications, actions, contraindications, side effects, adverse effects, and Nursing implications that are commonly used to treat chronic alterations of the respiratory system.

NRN 210-Cardiovascular System

Discuss medications, including knowledge of indications, actions, contraindications, side effects, adverse effects, and Nursing implications that are commonly used to treat chronic alterations of the cardiovascular system.

NRN 210-Neurological System

Examine medications, including knowledge of indications, actions, contraindications, side effects, adverse effects, and Nursing implications that are commonly used to treat chronic alterations of the neurological system.

NRN 210-Renal And Hepatic System

Explain medications, including knowledge of indications, actions, contraindications, side effects, adverse effects, and Nursing implications that are commonly used to treat chronic alterations of the renal system

Entrance Skills

Steadily increasing skills of professionalism within the nursing role.

Requisite Course Objectives

NRN 210-Analyze the relationship between accountability and liability for one's actions in Nursing practice.

NRN 210-Integrate principles of delegation and supervision in Nursing practice to ensure safe and legal client care.

NRN 210-Evaluate lines of responsibility and accountability associated with various types of Nursing care delivery models.

NRN 210-Explain the roles of the interdisciplinary team members and their role in caring for the client with various immunological alterations.

NRN 210-Promote optimum wellness by integrating the health team, significant others, community resources, and support groups into the care of the client.

Entrance Skills

Steadily increasing knowledge regarding evidence-based care.

Requisite Course Objectives

NRN 210-Respiratory System

Summarize client centered evidenced based interventions for clients with COPD, tuberculosis (latent and active), Occupational Lung Disease, pleural effusion, fibrosis, pulmonary hypertension, and pneumonia.

NRN 210-Cardiovascular System

Summarize client centered evidenced based interventions for hypertension (HTN), angina, heart failure, vascular disorders (Peripheral Artery Disease, Peripheral Vascular Disease), coronary artery disease, cardiac inflammatory disorders, conduction disorders, and valvular disorders.

NRN 210-Neurological System

Implement client-centered evidenced-based interventions for clients with neuromuscular disorders [ex: Multiple Sclerosis, GBS, ALS, Huntington's disease, Parkinson's, and Myasthenia Gravis].

NRN 210-Renal And Hepatic System

Examine client-centered, evidenced-based interventions for clients with hepatitis, cirrhosis, pancreatitis, alcoholism, and gastrointestinal bleeding.

NRN 210-Explore the interdisciplinary team's role in the prevention and management of malnutrition.

NRN 210-Examine workforce strategies that support efficient and effective quality client care and promote positive work environments for healthcare personnel.

Entrance Skills

Therapeutic communication with various diverse groups of clients and interdisciplinary team members.

Requisite Course Objectives

NRN 210-Explore the interdisciplinary team's role in the prevention and management of malnutrition.

NRN 210-Articulate cultural and socioeconomic differences and the significance of these differences for planning client centered evidence-based client care to promote optimum wellness.

NRN 210-Explain the roles of the interdisciplinary team members and their role in caring for the client with various immunological alterations.

NRN 210-Promote optimum wellness by integrating the health team, significant others, community resources, and support groups into the care of the client.

Course Content

Introduction to critical care

Family stressors in cc

EOL in ICU

SDH/Advocacy strategies/DEI

Critical care endocrine

Acute renal failure/ATN

Acute liver failure

Cardiogenic shock/decompensated HF, vascular

AMI/Interventional/CABG

Code/RRT and lethal rhythms

Hemodynamics

Shock

PADIS

ARDS & Post Thoracotomy

Neuro/ALOC/TBI

neurological infections (encephalopathy, meningitis)

Sz/Cranial Surgeries

Emergency nursing and triage

Organ transplant/donation

ETT/Vent

SCI

Stroke

Burns

Career management and work ethic

Leadership and management

Nursing delivery models
 Nursing as a profession
 Legal and ethical responsibility/accountability

Course Objectives

	Objectives
Objective 1	Develop strategies via the use of critical thinking aimed at prioritizing nursing care in both emergent and non-emergent situations
Objective 2	Incorporate principles of leadership and management in professional nursing practice.
Objective 3	Summarize concepts of accountability required for the delivery of Nursing care that is consistent with legal, ethical, and regulatory principles.
Objective 4	Design strategies to ease the transition from student nurse to professional nurse.
Objective 5	Analyze relevant client data via the use of critical thinking and clinical reasoning to prioritize nursing care in emergent client scenarios.
Objective 6	Predict the nursing role in health promotion and disease prevention specific to clients with various acute complex changes in health including the following: diet, medication, exercise, home management, and community resources.
Objective 7	Evaluate the collaborative role of the nurse and the members of the health team in the coordination of client care with acute alterations in health.
Objective 8	Integrate the psychosocial, cultural, and spiritual dimensions as well as client preferences, values, and needs into the plan of care.
Objective 9	Identify nutritional concerns of clients with acute and critical alterations in health.
Objective 10	Describe the nurse's role in the empowerment of critical care clients and their families, in advocacy for client values, beliefs, and the right to refuse care.
Objective 11	Explain the role of caregivers, and members of the interdisciplinary team, that coordinate home management for clients with acute alterations of health.
Objective 12	Discuss the role of members of the health team that collaborate and coordinate care for the critically ill client to promote optimum wellness.
Objective 13	Describe effective and non-effective styles of communication used when making client assignments.
Objective 14	Analyze how the use of informatics can be used to prevent errors and improve quality and safety.
Objective 15	Identify evidence-based procedures that focus on the early identification of sepsis and how it relates to quality improvement
Objective 16	Correlate risk factors that influence infection control in the critical care client and identify quality improvement strategies used in the critical care setting aimed at improving outcomes
Objective 17	Incorporate safety factors in the nursing management of clients with alterations in level of consciousness, mobility, perception, and cognition.

Student Learning Outcomes

	Upon satisfactory completion of this course, students will be able to:
Outcome 1	A. Describe how the leadership role of the nurse can be used to influence the behavior of others towards achieving shared goals.
Outcome 2	Demonstrates critical thinking and clinical judgment to plan and provide evidence-based nursing care at an entry-level.
Outcome 3	Design client-centered care for individuals that recognizes the client as a full partner with individual preferences and beliefs.
Outcome 4	Utilize communication tools and modalities to foster mutual respect and support shared decision-making within the interdisciplinary team.
Outcome 5	Apply QI principles to provide a culture of safety for clients and care providers.
Outcome 6	Describe their personal professional identity as a nurse

Methods of Instruction

Method	Please provide a description or examples of how each instructional method will be used in this course.
Lecture	Large & small group discussions, think/pair/share, case studies, Socratic questioning, powerpoint
Discussion	Group discussions, pair and share
Role Playing	role playing exercises

Methods of Evaluation

Method	Please provide a description or examples of how each evaluation method will be used in this course.	Type of Assignment
Tests/Quizzes/Examinations	Unit and comprehensive exams; quizzes	In Class Only
Term or research papers	Research Paper	Out of Class Only

Assignments
Other In-class Assignments

Attend and participate in class
Group discussions, case studies, concept mapping

Other Out-of-class Assignments

- Complete reading, computer, and multimedia assignments
- Weekly reading assignments
- Regular studying in preparation for exam
- 2 hours of studying for every hour in class is expected of students in order to be prepared for examination.

Grade Methods

Letter Grade Only

MIS Course Data
CIP Code

51.3801 - Registered Nursing/Registered Nurse.

TOP Code

123010 - Registered Nursing

SAM Code

B - Advanced Occupational

Basic Skills Status

Not Basic Skills

Prior College Level

Not applicable

Cooperative Work Experience

Not a Coop Course

Course Classification Status

Credit Course

Approved Special Class

Not special class

Noncredit Category

Not Applicable, Credit Course

Funding Agency Category

Not Applicable

Program Status

Program Applicable

Transfer Status

Not transferable

General Education Status

Y = Not applicable

Support Course Status

N = Course is not a support course

Allow Audit

No

Repeatability

No

Materials Fee

No

Additional Fees?

No

Approvals**Curriculum Committee Approval Date**

11/01/2022

Academic Senate Approval Date

11/10/2022

Board of Trustees Approval Date

12/16/2022

Chancellor's Office Approval Date

12/22/2022

Course Control Number

CCC000635136

Programs referencing this courseRegistered Nursing AS Degree (<http://catalog.collegeofthedesert.eduundefined/?key=72>)