

NRN 120: CONCEPTS OF NURSING: COMMONLY OCCURRING ALTERATIONS

Originator

rmontalvo

Co-Contributor(s)**Name(s)**

Fry, Sarah

Justification / Rationale

Major Curriculum Revision

Effective Term

Spring 2023

Credit Status

Credit - Degree Applicable

Subject

NRN - Nursing

Course Number

120

Full Course Title

Concepts of Nursing: Commonly Occurring Alterations

Short Title

NRN 120

Discipline**Disciplines List**

Nursing

Modality

Face-to-Face

Catalog Description

This course focuses on promoting, maintaining, and/or restoring the health of adult clients experiencing commonly occurring alterations in health. Previously learned nursing principles will be used as building blocks to plan holistic care and promote optimal wellness. Program concepts of professionalism, evidenced-based practice, holistic client-centered care, communication, and safety are integrated throughout the course. Students must be concurrently enrolled in NRN 120C and NRN 120L. Prerequisite: 110 and 110C

Schedule Description

This course focuses on promoting, maintaining, and/or restoring the health of adult clients experiencing commonly occurring alterations in health. Additionally, previously learned nursing principles will be used as building blocks to plan holistic care and promote optimal wellness. Students must be concurrently enrolled in NRN 120L and NRN 120C

Lecture Units

3.5

Lecture Semester Hours

63

In-class Hours

63

Out-of-class Hours

126

Total Course Units

3.5

Total Semester Hours

189

Prerequisite Course(s)

Prerequisite: NRN 110 Prerequisite NRN 110C Prerequisite: BI 013 Prerequisite: BI 014 Prerequisite: BI 015 Prerequisite: ENG 001A

Limitation on Enrollment

Acceptance to the registered nursing program

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

Book

Open Educational Resource

Yes

Formatting Style

APA

Author

XanEdu

Title

Nursing Pharmacology

Publisher

Ernstmeyer, K. and Christina, E. (Eds.)

Year

2020

College Level

Yes

Resource Type

Book

Formatting Style

APA

Author

Honan, L

Title

Focus on Adult Health Medical-Surgical Nursing

Edition

2nd

City

Philadelphia

Publisher

Wolter Kluwer

Year

2019

College Level

Yes

Flesch-Kincaid Level

15.99

ISBN #

978-1-4963-4928-6

Resource Type

Book

Formatting Style

APA

Author

Dudek, S.G.

Title

Nutrition Essentials for Nursing Practice

Edition

9th

City

Philadelphia

Publisher

Wolters Kluwer

Year

2021

College Level

Yes

Flesch-Kincaid Level

17.8

ISBN #

978-1975161125

Resource Type

Book

Formatting Style

APA

Author

APA

Title

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

Class Size Maximum

30

Entrance Skills

Application of human anatomy and physiology concepts

Requisite Course Objectives

- BI 013-Use appropriate anatomical and physiological terminology in discussing principles and relationships.
 - BI 013-Identify cellular structures and explain the function of cellular structures and cellular transport processes.
 - BI 013-Compare and contrast the structure and function of skeletal, cardiac, and smooth muscle.
 - BI 013-Explain the structure and function of the eye and the ear.
 - BI 013-Explain and identify basic clinical disorders, diseases, and applications, associated with each topic.
 - BI 013-Integrate principles from different systems and critically evaluate clinical problems.
 - BI 014-Explain how hormones affect human physiology and draw out the signaling pathways used by different hormone types.
 - BI 014-Compare and contrast the functions of various blood cells and plasma proteins.
 - BI 014-Compare and contrast innate and adaptive mechanisms of immunity and explain the role of each type of white blood cell in immune protection.
 - BI 014-Identify the location of major blood vessels and explain how blood pressure and blood flow are regulated.
 - BI 014-Explain the microscopic and gross anatomy of the heart.
 - BI 014-Explain the cardiac cycle and compare and contrast sympathetic and parasympathetic effects on the cardiac cycle.
 - BI 014-Identify major lymph vessels and anatomical regions within the lymph node.
 - BI 014-Explain how the lymph system interacts with the vascular system and how the processing of lymph contributes to immune system function.
 - BI 014-Identify the structures of the respiratory system.
 - BI 014-Compare and contrast cellular metabolic processes of different macromolecules.
 - BI 014-Explain the functional anatomy of the digestive system and explain major digestive processes.
 - BI 014-Identify structures of the urinary system and explain how the kidney processes plasma to produce urine.
 - BI 014-Explain how the body regulates fluid volume, fluid osmolarity and regulation of fluid pH.
 - BI 014-Compare and contrast the structure and function of the male and female reproductive systems.
 - BI 014-Explain the affect of sex hormones on reproductive processes.
-

Entrance Skills

Basic elements of the english language, writing, spelling, grammar, and the writing process

Entrance Skills

Application of anatomy and physiology of microorganism concepts.

Entrance Skills

Apply concepts of epidemiology and immunology related to human health.

Course Content

Growth Mindset and Provision of Care

- Definition
- Growth mindset
- Empathy
- Active listening
- Implicit bias
- Lifelong learning
- Emotional intelligence

Fluid & Electrolyte Balance

- Physiological mechanisms of electrolyte imbalance
- Assessment findings#(vital signs, labs, and diagnostics)
- Trending assessment findings
- Prevention for fluid and/or electrolyte imbalance
- Nutritional considerations
- Plan evidence-based, client-centered care
- Pharmacological agent
- Safety considerations
- Interdisciplinary care

IV Therapy

- Identifying anatomical locations
- Insertion, management, and discontinuation of peripheral sites
- Infection control
- Infusion devices
- Solution osmolality
- Documentation
- Plan evidence-based care, client-centered care
- Safety considerations

Diabetes Mellitus

- Etiology and pathophysiology
- Assessment findings (including labs and diagnostics)
- Evidence-based, client-centered care
- Nutrition
- Teaching
- Pharmacological considerations
- Safety
- Continuum of care
- Cultural considerations – SDoH
- Teamwork and communication
- Documentation

Endocrine-(Thyroid, Parathyroid, Thymus, Adrenal, Pituitary)

- Etiology and pathophysiology
- Assessment findings (including labs and diagnostics)
- Evidence-based, client-centered care

- Nutrition
- Teaching
- Pharmacological considerations
- Safety
- Continuum of care
- Cultural considerations – SDoH
- Teamwork and communication

Genetics

- Genetic predisposition
- Influence on diagnosis and treatment
- Risk factors
- Prevention
- Screening

Upper#Respiratory(tracheostomy, asthma, Tuberculosis (TB), Upper Respiratory Infection (URI))

- Etiology and pathophysiology
- Assessment findings (including labs and diagnostics)
- Evidence-based, client-centered care
- Nutrition
- Teaching
- Pharmacological considerations
- Safety
- Continuum of care
- Cultural considerations – SDoH
- Teamwork and communication

Hematology (anemias, sickle cell, thalassemia, heparin induced thrombocytopenia (HIT), polycythemia vera, etc.)

Etiology and pathophysiology

- Assessment findings (including labs and diagnostics)
- Evidence-based, client-centered care
- Nutrition
- Teaching
- Pharmacological considerations
- Safety
- Continuum of care
- Cultural considerations – SDOH
- Teamwork and communication

Gastrointestinal (peptic ulcer disease (PUD), gallbladder, irritable bowel syndrome (IBS), diverticulitis, Crohn's, etc.)

- Etiology and pathophysiology
- Assessment findings (including labs and diagnostics)
- Evidence-based, client-centered care
- Nutrition
- Teaching
- Pharmacological considerations

- Safety
- Continuum of care
- Cultural considerations – SDoH
- Teamwork and communication

Genitourinary (GU) and Reproductive Health(urinary output alterations,urinary tract infection (UTI),pyelonephritis, sexually transmitted infection (STI), erectile dysfunction (ED), etc.)

- Etiology and pathophysiology
- Assessment findings (including labs and diagnostics)
- Evidence-based, client-centered care
- Nutrition
- Teaching
- Pharmacological considerations
- Safety
- Continuum of care
- Cultural considerations – SDoH
- Teamwork and communication

*Course Content -

- SBAR
- IPASS
- TeamStepps
- CUSS

Course Objectives

	Objectives
Objective 1	Analyze concepts for empathetic communication with client and family
Objective 2	Discuss supportive nursing behaviors that facilitate empathy and compassion while providing care for the client.
Objective 3	Describe methods to continue lifelong learning.
Objective 4	Describe the necessary characteristics and skills to regulate personal behaviors related to both flexibility, resilience, and adaptability.
Objective 5	Implement the nursing process in the care of medical/surgical clients experiencing alterations in health.
Objective 6	Incorporate pharmacological therapy in the care of medical/surgical clients experiencing alterations in health.
Objective 7	Prioritize interventions based on client needs.
Objective 8	Customize plan of care by incorporating social determinants of health (SDOH).
Objective 9	Incorporate nutritional therapy in the care of the medical/surgical clients experiencing alterations in health.
Objective 10	Determine the health teaching needs of the individual clients.
Objective 11	Describe the interdisciplinary team members' role in the care of medical/surgical clients.
Objective 12	Assess barriers of effective communication.
Objective 13	Explore appropriate communication tools in the care of the medical/surgical client.
Objective 14	Discuss how quality improvement strategies are implemented, monitored, and evaluated.
Objective 15	Describe the nurse's role in identification and prevention of safety concerns.
Objective 16	Apply quality initiatives in the plan of care for medical/surgical clients.

Student Learning Outcomes

	Upon satisfactory completion of this course, students will be able to:
Outcome 1	Exhibit characteristics of a growth mindset.
Outcome 2	Utilize clinical reasoning and prioritization when designing plans of care for adult clients.
Outcome 3	Develop a holistic client-centered plan of care including factors that impair health status.

Outcome 4 Communicate in a manner that facilitates a partnership approach to quality care delivery.

Outcome 5 Examine interventions and quality initiatives required to maintain safety.

Methods of Instruction

Method	Please provide a description or examples of how each instructional method will be used in this course.
Collaborative/Team Participation	Small group discussion/ assignments, Think - Pair- Share, group work
Lecture	Simulation, case studies, reading assignments, group presentations
Discussion	Large group discussion, Power Point, concept mapping
Other (Specify)	Small and large group
	Case studies

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	Written quizzes and unit exams (multiple choice, SATA, Hot Spot, etc.)	In Class Only
Term or research papers	Research paper with rubric	Out of Class Only

Assignments

Other In-class Assignments

1. Participate in class
2. View videos and additional posted resources
3. Participate in group and class discussions, group work, critical thinking and clinical judgement exercises

Other Out-of-class Assignments

1. Complete reading assignments
2. Complete assigned computer programs
3. Complete case studies as assigned
4. Students should anticipate at least 2 hours of study time required for each hour of class in order to adequately prepare for class and to prepare for exams.

Grade Methods

Letter Grade Only

MIS Course Data

CIP Code

51.3801 - Registered Nursing/Registered Nurse.

TOP Code

123000 - Nursing

SAM Code

C - Clearly 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

Files Uploaded

Attach relevant documents (example: Advisory Committee or Department Minutes)

NRN 120_ Alterations in Health____.pdf

Approvals**Curriculum Committee Approval Date**

10/04/2022

Academic Senate Approval Date

10/13/2022

Board of Trustees Approval Date

11/10/2022

Chancellor's Office Approval Date

11/12/2022

Course Control Number

CCC000633988

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