



Course Syllabus

RNSG 1533 – Health Care Concepts II

Catalog Description: In-depth coverage of health care concepts with application through selected exemplars. Concepts include acid-base balance, coping, clotting, cognition, fluid and electrolytes, gas exchange, immunity, metabolism, nutrition, comfort, and perfusion. Provides continuing opportunities for development of clinical judgment skills. The course lends itself to a concept-based approach.

Prerequisites: Admission to the nursing program or administrative approval; successful completion of all first semester courses

Co-requisites: RNSG 1126, 2261

Semester Credit Hours: 5

Lecture Hours per Week: 4

Lab Hours per Week: 4

Extended hours: 0

Contact Hours per Semester: 128

State Approval Code: CIP 51.3801

Class section meeting time: See Canvas course for meeting days and times.

Online—students are expected to spend at least 3-4 hours per week (based on the number of contact hours for the particular course, change the number to reflect that) reading, reviewing, and participating in assigned activities for successful completion of this course.

Alternate Operations During Campus Closure: In the event of an emergency or announced campus closure due to a natural disaster or pandemic, it may be necessary for Panola College to move to altered operations. During this time, Panola College may opt to continue delivery of instruction through methods that include, but are not limited to: online learning management system (CANVAS), online conferencing, email messaging, and/or an alternate schedule. It is the responsibility of the student to monitor Panola College's website (www.panola.edu) for instructions about continuing courses remotely, CANVAS for each class for course-specific communication, and Panola College email for important general information.

Instructional Goals and Purposes: The purpose of this course is to utilize concept analysis diagrams from the Texas Nursing Concept Based Curriculum to guide deep learning of nursing concepts to develop clinical judgment and nursing care across the lifespan. Students will apply nursing concepts to specific exemplars providing opportunity to develop clinical judgment.

Learning Outcomes:

1. Utilize a systematic process to analyze selected health care concepts for diverse patients across the lifespan.

2. Describe nursing management for selected health care concepts.
3. Relate the learned concepts to other concepts or exemplars
4. Describe the interrelatedness among health care concepts to assist in developing clinical judgment.

Specific Course Objectives (includes SCANS):

After studying all materials and resources presented in the course, the student will be able to:

1. Utilize a systematic process (the nursing process) to analyze selected health care concepts listed in the course outline for diverse patients across the lifespan. (SCANS 1; a; i, ii, iii, iv, v, b; i, ii, iii, iv, v, vi, c; i, iii, iv, v, 2; a; i, ii, iii, b; i, ii, iii, iv, v, vi, c; i, ii, iii, iv, d; i, ii, iii, e; i, ii, iii)
2. Describe nursing management of care, pharmacological and non-pharmacological interventions, for selected health care concepts using selected exemplars. (SCANS 1; a; i, ii, iii, iv, v, b; i, ii, iii, iv, v, vi, c; i, ii, iii, iv, v, 2; a; i, ii, iii, b; i, ii, iii, iv, v, vi, c; i, ii, iii, iv, d; i, ii, iii, e; i, ii, iii)
3. Apply the learned concepts in the outline and nursing management to other concepts or exemplars. (SCANS 1; a; i, ii, iii, iv, v, b; i, ii, iii, iv, v, vi, c; i, ii, iv, v, 2; a; i, ii, iii, b; i, ii, iii, iv, v, vi, c; i, ii, iii, iv, d; i, ii, iii, e; i, ii, iii)
4. Describe the interrelatedness between health care concepts to demonstrate developing clinical judgment. (SCANS 1; a; i, ii, iii, iv, v, b; i, ii, iii, iv, v, c; i, ii, iii, iv, v, 2; a; i, ii, iii, b; i, ii, iii, iv, v, vi, c; i, ii, iii, iv, d; i, ii, iii, e; i, ii, iii)

Course Content:

A general description of lecture/discussion topics included in this course are listed in the Learning Outcomes / Specific Course Objectives sections of this syllabus.

Students in all sections of this course will be required to do the following:

HEALTH CARE CONCEPTS – BIOPHYSICAL

Acid Base Balance

- Diabetic Ketoacidosis (DKA)
- Hyperventilation (Birthing Mother, Panic Attack)
- Gastrointestinal Losses (Pediatric)
- Drug Overdose with Hypoventilation

Clotting

- Hemophilia
- Deep Vein Thrombosis (DVT)

Comfort

- Sickle Cell Anemia (Chronic Pain, Acute Exacerbations)
- Post-Operative Pain: Abdominal Surgery (Acute Pain)
- Renal Calculi (Acute Pain)
- Peripheral Vascular Disease (PVD) (Neuropathic Pain)

Elimination

- Diverticulitis
- Paralytic Ileus – Bowel Obstruction
- Neurogenic Bladder – Spastic

Fluid & Electrolyte Balance

- Dehydration – Gastroenteritis - Elderly and Pediatrics
- Extracellular Fluid Volume Excess
- Hypocalcemia
- Hypercalcemia
- Hypokalemia
- Hyperkalemia - Chronic Renal Failure
- Hyponatremia - Syndrome of antidiuretic Hormone (SIADH),
- Hypernatremia – Diabetes Insipidus (DI)
- Hypophosphatemia
- Hyperphosphatemia
- Hypomagnesemia
- Hypermagnesemia

Gas Exchange

- Asthma
- Chronic Obstructive Pulmonary Disease (COPD)
- Pneumonia- Aspiration
- RSV/Bronchiolitis (Pedi)
- Tracheal Esophageal Fistula (Pedi/Newborn)

Immunity

- Vaccines
- Otitis media
- Urinary Tract Infection (and discuss urosepsis)
- Cellulitis
- Osteomyelitis
- Pneumonia
- Appendicitis
- Trauma-sprain

Metabolism

- Diabetes Type 1
- Diabetes Type 2
- Gestational Diabetes
- Graves' Disease – Hyperthyroidism
- Hypothyroidism

Nutrition

- Heart Healthy Diet
- Diabetic Diet
- Malnutrition (Introduce Parenteral Nutrition)
- Peptic Ulcer Disease (PUD)
- Gastroesophageal Reflux Disease (GERD)
- Malabsorption Syndromes Infant & Elderly (Gastrostomy and Enteral Feedings)
- Starvation – Failure to Thrive

- Infant Nutrition (Breast/Bottle)

Perfusion

- Basic ECG Rhythms (NSR, SB, ST only)
- Congestive Heart Failure
- Hypertension
- Gestational Hypertension
- Mitral Valve Prolapse
- Coronary Artery Disease (CAD)
- Peripheral Vascular Disease (PVD)

Cognition

- Alzheimer's Disease/Dementia
- Delirium

Coping

- Anxiety
 - Generalized Anxiety Disorder
 - Panic Disorder (Attack)
 - Obsessive Compulsive Personality Disorder
 - Eating Disorders
 - Anorexia Nervosa
 - Bulimia
 - Phobia's
- Stress
 - Separation Anxiety (Developmental)
 - Post-Traumatic Stress Disorder
 - Physical Response/Disease
 - Lifespan Response
- Substance Abuse/Addictive Behaviors
 - Alcoholism
 - Opioid epidemic
 - Maternal/Fetal Cocaine Addiction
 - Neonatal Abstinence Syndrome (Withdrawal)

Students in all sections of this course will be required to:

1. Review definitions of all concepts on assigned concept analysis diagrams
2. Complete required reading and posted assignments on Canvas prior to the start of the scheduled class or lab
3. Attend and participate in all classroom, simulation and lab activities
4. In the event of an emergency or announced campus closure due to a natural disaster or pandemic and instruction changes to follow alternate operations, students will be required to join and participate in ZOOM classes at scheduled class time for the semester. Students will complete and submit all online assignments as instructed through the Canvas course.

For RNSG 1533L, the student is required to:

1. Comply with all policies and procedures in the Panola ADN Handbook for each assigned lab class

2. Bring required equipment for clinical (please see Panola ADN Handbook, section 4.4.f) to each assigned lab class.
3. Bring all needed textbooks and resources to lab for completion of learning activities/simulations.
4. Refer to the Panola ADN Handbook "Attendance/Absences" policy (Panola ADN Handbook section 4.1) for attendance requirements. All lab hours for this course will be viewed as required clinical hours for the semester and ADN program.
5. Be self-directed in preparation and in participation in learning activities and simulation scenarios. The student is required to complete all assigned reading, assigned audiovisuals, and assigned computer instruction prior to the assigned lab class.
6. Take the initiative to schedule any additional practice needed in the lab with the instructor.
7. Maintain a skills inventory for skills successfully completed.

Methods of Instruction/Course Format/Delivery: This course is offered in...

The course offered includes a face to face class and simulation lab but also utilizes various online resources for instruction. Methods of instruction include class discussion, internet resources, Canvas assignments and activities, computer instruction, independent study, case studies, library research, videos, lecture, group assignments, and role play. Recorded ZOOM lectures will be subject to publication on the Canvas course.

Major Assignments / Assessments:

The following items will be assigned and assessed during the semester and used to calculate the student's final grade.

Assignments/Quizzes

Weekly assignments will be posted on Canvas and must be completed and submitted by the posted due dates on Canvas. (5% of final grade)

Assessment(s):

- Exam 1
- Exam 2
- Exam 3
- Exam 4
- Level 2 Achievement Exam; administered one time
- Comprehensive final exam

Course Grade:

The grading scale for this course is as follows:

- 4 unit exams (15% each)
- Level 2 Achievement Exam conversion score (15%)
- 1 comprehensive final exam (20%)
- Assignments/Quizzes (5%)
 - Make up exams may be given at the discretion of the instructor if prior arrangements have been made. A student must contact the instructor on the first day back for make-up

assignments. This includes tests. All make-up examinations will be a separate examination and may include essay questions. Students absent for class quizzes will not be allowed to make up that quiz.

- Exams will be constructed from a random sample of the materials from each unit and will be presented in the form of a multiple-choice and alternate item format exam. Alternate item format questions may include: multiple-choice items that require a student to select more than one response, fill-in-the-blank items, or items asking a student to identify an area on a picture or graphic. Refer to the National Council of State Boards of Nursing, Inc. website (www.ncsbn.org) for more information regarding the Alternate NCLEX Item Formats.
- The student will receive the same grade for RNSG 1126 and RNSG 1533 for each exam given. The student must earn an overall grade of 75 or above to successfully pass RNSG 1126 and RNSG 1533. Please see the grading policy (section 5) in the Panola ADN Handbook.
- Each exam will combine content from RNSG 1126 and RNSG 1533.

Texts, Materials, and Supplies:

Elsevier Bundle:					
Nursing Concepts Online for RN, 2 nd Edition, Texas Version access card	Required	Elsevier	Elsevier		
Concepts for Nursing Practice, 2 nd Edition	Required	Giddens	Elsevier		
Medical-Surgical Nursing, 10 th Edition	Required	Lewis	Elsevier		
Maternal-Child Nursing, 5 th Edition	Required	McKinney	Elsevier		
Fundamental of Nursing, 9 th Edition	Required	Potter	Elsevier		
Varcarolis' Foundations of Psychiatric-Mental Health Nursing, 8 th Edition	Required	Halter	Elsevier		
Mosby's Manual of Diagnostic and Laboratory	Required	Pagana	Elsevier		

Tests					
IV Medications	Required	Gahart	Elsevier		
Davis's Drug Guide for Nurses	Required	Vallerand/Sanoski	F.A.Davis		
Custom Texas Nursing concept Based Curriculum	Required	Texas Nursing Concept Based Curriculum Consortium			
Mosby's Dictionary of Medical, Nsg & Allied Health	Optional	Mosby	Elsevier		
HESI Comprehensive Review for the NCLEX-RN Examination w/ access	Required	HESI	Elsevier		
Dosage Calculations – w/access	Required	Pickar, G. (2012)	Delmar		
Saunders Comprehensive Review for NCLEX-RN	Optional	Silvestri	Elsevier		

Required Readings and Recommended Readings:

- All required readings and recommended readings will be posted on your Canvas course each week.

Other:

- Courses conducted via video conferencing may be recorded and shared for instructional purposes by the instructor.
- For current texts and materials, use the following link to access bookstore listings: <https://www.panolacollegestore.com>
- For testing services, use the following link: <https://www.panola.edu/elearning/testing.html>
- If any student in this class has special classroom or testing needs because of a physical learning or emotional condition, please contact the ADA Student Coordinator in Support Services located in the Charles C. Matthews Student Center or go to <https://www.panola.edu/student-success/disability-support-services/> for more information.
- Withdrawing from a course is the student's responsibility. Students who do not attend class and who do not withdraw will receive the grade earned for the course.

- Student Handbook, *The Pathfinder*: <https://www.panola.edu/student-success/documents/pathfinder.pdf>

SCANS CRITERIA

1) **Foundation skills are defined in three areas: basic skills, thinking skills, and personal qualities.**

- a) **Basic Skills:** A worker must read, write, perform arithmetic and mathematical operations, listen, and speak effectively. These skills include:
 - i) **Reading:** locate, understand, and interpret written information in prose and in documents such as manuals, graphs, and schedules.
 - ii) **Writing:** communicate thoughts, ideas, information, and messages in writing, and create documents such as letters, directions, manuals, reports, graphs, and flow charts.
 - iii) **Arithmetic and Mathematical Operations:** perform basic computations and approach practical problems by choosing appropriately from a variety of mathematical techniques.
 - iv) **Listening:** receive, attend to, interpret, and respond to verbal messages and other cues.
 - v) **Speaking:** Organize ideas and communicate orally.

- b) **Thinking Skills:** A worker must think creatively, make decisions, solve problems, visualize, know how to learn, and reason effectively. These skills include:
 - i) **Creative Thinking:** generate new ideas.
 - ii) **Decision Making:** specify goals and constraints, generate alternatives, consider risks, and evaluate and choose the best alternative.
 - iii) **Problem Solving:** recognize problems and devise and implement plan of action.
 - iv) **Visualize ("Seeing Things in the Mind's Eye"):** organize and process symbols, pictures, graphs, objects, and other information.
 - v) **Knowing How to Learn:** use efficient learning techniques to acquire and apply new knowledge and skills.
 - vi) **Reasoning:** discover a rule or principle underlying the relationship between two or more objects and apply it when solving a problem.

- c) **Personal Qualities:** A worker must display responsibility, self-esteem, sociability, self-management, integrity, and honesty.
 - i) **Responsibility:** exert a high level of effort and persevere toward goal attainment.
 - ii) **Self-Esteem:** believe in one's own self-worth and maintain a positive view of oneself.
 - iii) **Sociability:** demonstrate understanding, friendliness, adaptability, empathy, and politeness in group settings.
 - iv) **Self-Management:** assess oneself accurately, set personal goals, monitor progress, and exhibit self-control.
 - v) **Integrity and Honesty:** choose ethical courses of action.

2) **Workplace competencies are defined in five areas: resources, interpersonal skills, information, systems, and technology.**

- a) **Resources:** A worker must identify, organize, plan, and allocate resources effectively.
 - i) **Time:** select goal-relevant activities, rank them, allocate time, and prepare and follow schedules.
 - ii) **Money:** Use or prepare budgets, make forecasts, keep records, and make adjustments to meet objectives.
 - iii) **Material and Facilities:** Acquire, store, allocate, and use materials or space efficiently.

Examples: construct a decision time line chart; use computer software to plan a project; prepare a budget; conduct a cost/benefits analysis; design an RFP process; write a job description; develop a staffing plan.

b) **Interpersonal Skills:** A worker must work with others effectively.

- i) Participate as a Member of a Team: contribute to group effort.
- ii) Teach Others New Skills.
- iii) Serve Clients/Customers: work to satisfy customer's expectations.
- iv) Exercise Leadership: communicate ideas to justify position, persuade and convince others, responsibly challenge existing procedures and policies.
- v) Negotiate: work toward agreements involving exchange of resources, resolve divergent interests.
- vi) Work with Diversity: work well with men and women from diverse backgrounds.

Examples: collaborate with a group member to solve a problem; work through a group conflict situation, train a colleague; deal with a dissatisfied customer in person; select and use appropriate leadership styles; use effective delegation techniques; conduct an individual or team negotiation; demonstrate an understanding of how people from different cultural backgrounds might behave in various situations.

c) **Information:** A worker must be able to acquire and use information.

- i) Acquire and Evaluate Information.
- ii) Organize and Maintain Information.
- iii) Interpret and Communicate Information.
- iv) Use Computers to Process Information.

Examples: research and collect data from various sources; develop a form to collect data; develop an inventory record-keeping system; produce a report using graphics; make an oral presentation using various media; use on-line computer data bases to research a report; use a computer spreadsheet to develop a budget.

d) **Systems:** A worker must understand complex interrelationships.

- i) Understand Systems: know how social, organizational, and technological systems work and operate effectively with them.
- ii) Monitor and Correct Performance: distinguish trends, predict impacts on system operations, diagnose deviations in systems' performance and correct malfunctions.
- iii) Improve or Design Systems: suggest modifications to existing systems and develop new or alternative systems to improve performance.

Examples: draw and interpret an organizational chart; develop a monitoring process; choose a situation needing improvement, break it down, examine it, propose an improvement, and implement it.

e) **Technology:** A worker must be able to work with a variety of technologies.

- i) Select Technology: choose procedures, tools or equipment including computers and related technologies.
- ii) Apply Technologies to Task: understand overall intent and proper procedures for setup and operation of equipment.
- iii) Maintain and Troubleshoot Equipment: Prevent, identify, or solve problems with equipment, including computers and other technologies.

Examples: read equipment descriptions and technical specifications to select equipment to meet needs; set up and assemble appropriate equipment from instructions; read and follow directions for troubleshooting and repairing equipment.

Associate Degree Nursing

Student Acknowledgment

I have read the Panola College Associate Degree Nursing program syllabus for RNSG 1533 Health Care Concepts II. The items in the syllabus have been explained to me. I understand that it is my responsibility to seek any additional clarification that I may need from the instructor.

I will comply with the syllabus requirements as delineated. In addition, I will comply with the current ADN Student Handbook as found on the ADN web page. It is my understanding that this form will become part of my permanent file.

Student Name (Printed) _____

Student Signature _____

Date _____