



RANGER COLLEGE

Vocational Nursing Program  
COURSE SYLLABUS

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**DISEASE CONTROL AND PREVENTION**

**VNSG 1115**

1 credit hour

**INSTRUCTOR:**

Mrs. Kathy Davis, RN

## VNSG 1115 DISEASE CONTROL AND PREVENTION

**INSTRUCTOR:** Kathy Davis, RN  
**EMAIL:** kdavis@rangercollege.edu  
**OFFICE:** Early/Brown County  
**PHONE:** 325-203-5006  
**HOURS:** Monday – Thursday: 0800 -1700; Friday: 0800 - 1200

### I. Texas Core Curriculum Statement of Purpose

Through the Texas Core Curriculum, students will gain a foundation of knowledge of human cultures and the physical and natural world, develop principles of personal and social responsibility for living in a diverse world, and advance intellectual and practical skills that are essential for all learning.

### II. Course Description

Study of the general principles of prevention of illness and disease, basic microbiology, and the maintenance of aseptic conditions.

### III. Required Background or Prerequisite

CPR Healthcare Provider required.

### IV. Required Textbook and Course Materials

Scanlon, V.C. and Sanders, T. (2019) *Essentials of Anatomy and Physiology* (8<sup>th</sup> ed.) Philadelphia, PA: Davis. ISBN 978-0-8036-6937-6.

Williams, L. and Hooper, P. (2015) *Understanding Medical-Surgical Nursing* (6<sup>th</sup> ed.) Philadelphia, PA: Davis. ISBN 978-0-8036-6898-0.

Burton, M., Smith, D., and Ludwig, L. (2019) *Fundamentals of Nursing Care – Concepts, Connections & Skills* (3<sup>rd</sup> ed.) Philadelphia, PA: Davis. ISBN 978-0-8036-6906-2.

#### Required Materials:

Index cards	Black sharpies
Black pens	Multi-colored modeling clay
Pencil (mechanical or standard)	Map Colors
Highlighters	

## V. Course Purpose

A continuation of instruction for student vocational nurses on becoming:

1. A member of the nursing profession;
2. A provider of patient centered care;
3. A patient safety advocate;
4. A user of the nursing process in the care of patients experiencing medical/surgical conditions.

## VI. Learning Outcomes

1. Integrate body systems and disease processes with nursing skills and assessments.
2. Identify medical abnormalities related to disease control and prevention.
3. Provide appropriate nursing management and interventions based on nursing assessments and patient safety concerns.
4. Identify the basic understanding of the aging process on the human body.

## VII. Core Objectives

This course meets the following of the six Core Objectives established by Texas:

**Critical Thinking Skills (CT)** - Creative thinking, innovation, inquiry, and analysis; evaluation and synthesis of information

**Communication Skills (COM)** - effective development, interpretation and expression of ideas through written, oral, and visual communication

**Empirical and Quantitative Skills (EQS)** - The manipulation and analysis of numerical data or observable facts resulting in informed conclusions

**Teamwork (TW)**-The ability to consider different points of view and to work effectively with others to support a shared purpose or goal

**Social Responsibility (SR)** - Intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities

**Personal Responsibility (PR)** - The ability to connect choices, actions, and consequences to ethical decision-making

This course also meets the following course objectives to achieve the Texas Board of Nursing Differentiated Essential Competencies (DECS) for Vocational Nursing.

The student will learn to:

- A. As Member of the Profession (*PR, SR*):
  1. Function within the nurse's legal scope of practice and in accordance with the policies and procedures of the employing health care institution or practice setting.

2. Assume responsibility and accountability for the quality of nursing care provided to patients and their families.
  3. Contribute to activities that promote the development and practice of vocational nursing.
  4. Demonstrate responsibility for continued competence in nursing practice, and develop insight through reflection, self-analysis, self-care, and lifelong learning.
- B. Provider of Patient-Centered Care (SR, TW):
1. Use clinical reasoning and established evidence-based policies as the basis for decision making in nursing practice
  2. Assist in determining the physical and mental health status, needs, and preferences of culturally, ethnically, and socially diverse patients and their families based on interpretation of health-related data.
  3. Report data to assist in the identification of problems and formulation of goals/outcomes and patient-centered plans of care in collaboration with patients, their families, and the interdisciplinary health care team.
  4. Provide safe, compassionate, basic nursing care to assigned patients with predictable health care needs through a supervised, directed scope of practice.
  5. Implement aspects of the plan of care within legal, ethical, and regulatory parameters and in consideration of patient factors.
  6. Identify and report alterations in patient responses to therapeutic interventions in comparison to expected outcomes.
  7. Implement teaching plans for patients and their families with common health problems and well-defined health learning needs.
  8. Assist in the coordination of human, information, and material resources in providing care for assigned patients and their families.
- C. Patient Safety Advocate (CT, COM, TW, SR, PR):
1. Demonstrate knowledge of the Texas Nursing Practice Act and the Texas Board of Nursing Rules that emphasize safety, as well as federal, state, and local government and accreditation organization safety requirements and standards.
  2. Implement measures to promote quality and a safe environment for patients, self and others.
  3. Assist in the formulation of goals and outcomes to reduce patient risks.
  4. Obtain instruction, supervision, or training as needed when implementing nursing procedures or practices.
  5. Comply with mandatory reporting requirements of the Texas Nursing Practice Act.
  6. Accept and make assignments that take into consideration patient safety and organizational policy.
- D. Member of the Health Care Team (TW, COM):

1. Communicate and collaborate with patients, their families, and the interdisciplinary health care team to assist in the planning, delivery, and coordination of patient-centered care to assigned patients.
2. Participate as an advocate in activities that focus on improving the health care of patients and their families.
3. Participate in the identification of patient needs for referral to resources that facilitate continuity of care and ensure confidentiality.
4. Communicate and collaborate in a timely manner with members of the interdisciplinary health care team to promote and maintain optimal health status of patients and their families.
5. Communicate patient data using technology to support decision making to improve patient care.
6. Assign nursing care to LVNs or unlicensed personnel based upon an analysis of patient or unit need.
7. Supervise nursing care provided by others for whom the nurse is responsible

### **VIII. Methods of Instruction**

Lectures, Power Point, Classroom Activities, Audiovisuals, Assignments, Group Projects, Computer Assisted Instruction (ATI).

### **IX. Method of Assessment**

Chapter Test (5) = 60% of total grade

Assignments (5) = 15% of total grade

Final Exam Grade = 25% of total grade

Grading scale: A = 93 - 100%    B = 86 - 92    C = 78 - 85    F = Below 78

All students must achieve an average grade of 78 to remain in the LVN program.

### **X. Course/Classroom Policies**

1. Arrive on time!
2. Come to class prepared.
3. Turn in assignments on time.
4. Be honest, dependable and accountable for your actions.
5. Follow the student handbook regarding attendance and conduct.
6. No phones and/or smart watches in the classroom. Phones/watches must be turned in at the beginning of class and may be picked up during breaks or after class.
7. Email will be responded to within 24 - 48 hours during the week. Emails received on Saturday/Sunday will be responded to on Monday.

## XI. Course Schedule

Week	Resources	Chapter	Topic	Task	Assignments	Assignments Due
1	Course Syllabi Essentials of A&P	Syllabi Chapter 22	Chain of Infection Defense against infection	Skills: Handwashing	<b>ATI – Infection Control</b>	<b>ATI – Infection Control</b>
2	Fundamentals of Nursing Care	Ch. 14	Medical Asepsis	Skills: PPE		
3	Fundamentals of Nursing Care	Ch. 22 Ch. 26	Surgical Asepsis Wound Care	Skills: Sterile Gloves Wound Care	<b>ATI – Surgical Asepsis ATI – Wound Care</b>	
4	Essentials of A&P	Ch. 22	Isolation Precaution	<b>Exam #1</b> Intro to Microbes, Asepsis Wound care	<b>Isolation Precaution Assignment</b>	<b>ATI – Surgical Asepsis ATI – Wound Care</b>
5	Essentials of A&P	Ch. 22	Isolation Precautions	Skills: Isolation Precaution	<b>Microbe Cards Assigned</b>	<b>Isolation Precaution Assignment</b>
6	Essentials of A&P	Ch. 22	Blood-borne pathogens Bacteria	Exam #2 Isolation Precaution		
7	Essentials of A&P	Ch. 22	Virus			
8	Essentials of A&P	Ch. 22	Fungi, Protozoa, Arthropods, Helminths, Prions		<b>ATI – Pharm Made Easy Infection</b>	
9				<b>“Contagion”</b>	Class Activity	<b>ATI – Pharm Made Easy Infection</b>
10			<b>HOME ASSIGNMENT</b>		<b>HOME ASSIGNMENT</b>	<b>Surgical Asepsis</b>
11	Understanding Med- Surge Nursing	Ch. 13	Disaster & Bioterrorism	<b>Exam #3</b> <b>Pathogens</b>		<b>Microbe Cards Due (Exam #5)</b>
12	Understanding Med- Surge Nursing	Ch. 13	Disaster & Bioterrorism	Class Activity		
13				<b>Exam #4</b> <b>Disaster &amp; Bioterrorism</b>		
14			<b>Thanksgiving Holiday</b>			
15			<b>Comprehensive Final Review</b>			
16			<b>Comprehensive Final Exam</b>			

**Course schedule is subject to change.**

## **XII. Non-Discrimination Statement**

Admissions, employment, and program policies of Ranger College are nondiscriminatory in regard to race, creed, color, sex, age, disability, and national origin.

## **XIII. ADA Statement**

Ranger College provides a variety of services for students with learning and/or physical disabilities. Students are responsible for making initial contact with the Ranger College Counselor, Gabe Lewis (glewis@rangercollege.edu). It is advisable to make this contact before or immediately after the semester begins.