

# SYLLABUS

## HEALTH SCIENCE: NURSING – SEMESTER 2

Nursing is an in-demand career, perfect for someone looking for a rewarding and challenging vocation in the healthcare sector. With a strong focus on patient care, a nurse must be skilled in communication, promoting wellness, and understanding safety in the workplace. In Health Science II Nursing, you will explore communication and ethics, anatomy and physiology, and the practice of nursing. Learn how to build relationships with individuals, families, and communities and how to develop wellness strategies for your patients. From emergency to rehabilitative care to advances and challenges in the healthcare industry, discover how you can launch a fulfilling career providing care to others.



### Unit 7: Nursing Process: A Day in the Life

From intake to discharge, nurses perform their duties with efficiency and grace. What, exactly, do nurses do all day? Now is your chance to take a glimpse into a day in the life of three different types of nurses. While we track their activities during a day, we will find out more about the procedures they follow and that important part of their job—documenting information. Data drives everything in medicine these days, and correct reporting and recording of all care is part of everyone's day!

#### What will you learn in this unit?

- Choose the type of assessment appropriate for different situations
- Document assessments, interventions, and evaluations
- Identify different assessment models
- Explain the Hierarchy of Needs
- Differentiate between a medical diagnosis and a nursing diagnosis
- List the steps of the Nursing Process

## UNIT 7 Assignments

Assignment	Type
Unit 7 Text Questions	Homework
Unit 7 Lab	Homework
Unit 7 Activity	Homework
Unit 7 Discussion 1	Discussion
Unit 7 Discussion 2	Discussion
Unit 7 Quiz	Discussion

## Unit 8: Emergency Care

There's nothing that gets the adrenaline pumping like an emergency. No wonder there are so many TV shows that take place in an ER. Emergency nursing is a great career for someone who is the go-to person in any emergency—calm, collected, quick-thinking, and confident. Even if you don't see your future as being on the front lines of emergency response, every type of nurse needs to know the skills—CPR and basic first aid—to save a life. And while reacting with speed, ER nurses have an eagle eye on all the possible hazards in the hospital. Safety first—this is the motto for all nurses, but in the ER, it is doubly important!

### What will you learn in this unit?

- React to a fire and save lives: RACE!
- Understand the laws of consent in an emergency
- Describe different methods for taking vital signs
- Identify safety hazards in a hospital setting
- Properly use the abbreviations: CPR, FBAO, AED, and DNR

## UNIT 8 Assignments

Assignment	Type
Unit 8 Text Questions	Homework
Unit 8 Lab	Homework
Unit 8 Activity	Homework
Unit 8 Discussion 1	Discussion
Unit 8 Discussion 2	Discussion
Unit 8 Quiz	Discussion

## Unit 9: Fighting Pathogens

The world is full of disease-causing agents, and it sometimes feels like it is us against them—humans versus all those bacteria and viruses. But wait! There are superheroes bravely (and successfully) fighting the spread of disease—nurses! Healthcare workers—and especially nurses—fight the threat of bloodborne diseases and other pathogens with skill and perseverance. The practices and techniques that nurses employ to break the chain of infection may seem simple, but they are important to follow at all times. In this unit, we will look at what pathogens are, how to prevent transmission, and how to be a caring nurse while staying healthy yourself!

What will you learn in this unit?

- Dispel the myths about bloodborne diseases
- Act to reduce risk if a needlestick or other contamination occurs
- Identify risky behaviors for the spread of bloodborne viruses
- Apply infection-control techniques
- Name the three types of transmission-based precautions

## UNIT 9 Assignments

Assignment	Type
Unit 9 Text Questions	Homework
Unit 9 Lab	Homework
Unit 9 Activity	Homework
Unit 9 Discussion 1	Discussion
Unit 9 Discussion 2	Discussion
Unit 9 Quiz	Discussion

## Unit 10: Rehabilitation

When someone has a serious disease, injury, or surgery, it takes time and lots of help to recover. Here is where rehabilitation nurses can work their magic! Not only do patients need help to get back to moving around themselves, but they and their families need help in adapting to normal life again. In this unit, we will practice the moves you need to know to help an injured person regain their mobility. Plus, we will gather some tools for handling the natural stress response of patients when they face illness. While learning about the rewarding job of rehabilitation nursing, where nurses often get to know their diverse patients well over a long period of time, we will gain skills to help people with short- or long-term disabilities.

What will you learn in this unit?

- Perform range-of-motion exercises
- Safely transfer a patient from bed to chair or walking
- Describe the body's responses to stress
- Use evidence-based practice to make decisions
- Name anatomical terms for movement

## UNIT 10 Assignments

Assignment	Type
Unit 10 Text Questions	Homework
Unit 10 Lab	Homework
Unit 10 Activity	Homework
Unit 10 Discussion 1	Discussion
Unit 10 Discussion 2	Discussion
Unit 10 Quiz	Discussion

## Unit 11: Global Impact of Healthcare

Nurse superheroes fight off pathogens all around the world—saving lives and educating civilians with their knowledge, caring, and understanding of the principles of sanitation! Infectious diseases can spread around the world faster than ever, so every nurse needs to know what infections and diseases are on the rise. Since nurses make up the largest part of the international healthcare workforce, they are integral to the functioning of the global health system. Prevention of communicable disease through vaccination and sanitation saves millions of lives every year, but more needs to be done to reach every person: Nurses are on the forefront of the push to get care for all!

What will you learn in this unit?

- Apply interventions to break the chain of infection
- Describe the modes of transmission of diseases
- Define emerging infectious diseases and prevention techniques
- Explain nosocomial infection and precautions to reduce them
- Research and identify global health organizations that work with nurses

## UNIT 11 Assignments

Assignment	Type
Unit 11 Text Questions	Homework
Unit 11 Lab	Homework
Unit 11 Activity	Homework
Unit 11 Discussion 1	Discussion
Unit 11 Discussion 2	Discussion
Unit 11 Quiz	Discussion

## Unit 12: Trends and Challenges

How do you lower the cost of healthcare while increasing the number of people who can access care? Well, you expand the role of nurses in the global healthcare system! Nurses are being encouraged to take on new roles and more responsibilities in healthcare, and this trend is bringing even more emphasis to nursing to help meet the challenges of an aging global population, poverty, and a need to improve healthcare infrastructure. Nurses can keep costs down for basic healthcare, implement technological advances in electronic medical recordkeeping, and advocate for the eradication of healthcare inequity. This is a big job for nurses, and the shortage of nurses is predicted to continue. To tackle all of this, and to have a satisfying career, the world needs more people of all ethnicities and genders to enter the profession of nursing!

What will you learn in this unit?

- Describe the benefits of expanded nursing roles in healthcare
- Identify uses for smart phones in global healthcare
- List computer skills needed in nursing
- Discuss how socioeconomic status affects health

## UNIT 12 Assignments

Assignment	Type
Unit 12 Text Questions	Homework
Unit 12 Lab	Homework
Unit 12 Activity	Homework
Unit 12 Discussion 1	Discussion
Unit 12 Discussion 2	Discussion
Unit 12 Quiz	Discussion

## Health Science Final Exam

- Review information acquired and mastered from this course up to this point.
- Take a course exam based on material from units seven to twelve in this course – the last four units. (Note: You will be able to open this exam only one time.)

## FINAL Assignments

Assignment	Type
Final Exam	Exam
Class Reflection Discussion	Discussion