

**CLUSTER** Health Science  
**PATHWAY** Licensed Practical Nursing  
**PROGRAM OF STUDY** Licensed Practical Nursing  
**WVEIS CODE** HE0776

**WV State Board of Examiners for Licensed Practical Nursing**

<http://www.lpnboard.state.wv.us>

**Office of Health Facility Licensure and Certification**

<http://www.wvdhhr.org/ohflac/NA/Education.aspx>

**National Consortium for Health Science Education Health Care Standards**

[http://www.healthscienceconsortium.org/docs/therapeutic\\_svcs\\_pathway.pdf](http://www.healthscienceconsortium.org/docs/therapeutic_svcs_pathway.pdf)

**Sample of reported job titles upon completion of the Licensed Practical Nursing program:** Certified Nursing Assistant, Licensed Practical Nurse

**Sample of reported job titles upon completion of additional education:** Registered Nurse, Nurse Surgical Technician, Advanced Practice Nurse Practitioner

## **INDUSTRY CREDENTIALS**

Certified Nursing Assistant, Licensed Practical Nurse, CPR/AED Healthcare Provider or Professional Rescuer, First Aid, Bloodborne Pathogens Training: Preventing Disease Transmission

## **RECOMMENDED PREREQUISITE COURSES**

0714 [Introduction to Health Care](#)  
0721 [Medical Terminology](#)  
0716 [Body Structure and Function](#)

## **REQUIRED COURSES**

**Note: A minimum course completion score of 80% is required to progress to next course.**

<b>WVEIS Code</b>	<b>Course</b>
0601	Practical Nursing I
0602	Practical Nursing II
0603	Practical Nursing III
0604	Practical Nursing IV
0605	Practical Nursing V
0606	Practical Nursing VI
0607	Practical Nursing VII
0608	Practical Nursing VIII
0609	Practical Nursing IX
0610	Practical Nursing X

**\*Note: Students entering the Practical Nursing programs should have a current CPR/AED for Health Care Provider or Professional Rescuer and First Aid certifications**

**\*\*This program is designed to prepare students for employment as licensed practical nurses. The program must be approved by the West Virginia Board of Examiners for Practical Nursing, in order for graduates to meet eligibility requirements to take the examination for licensure in the state of West Virginia.**

**\*The West Virginia State Board of Examiners for Practical Nursing suggests the following subjects and combined classroom and clinical instructional hours:**

<b>Subject</b>	<b>Actual Instructional Time (in hours)</b>
<b>Principles and Fundamentals</b>	<b>200</b>
<b>* Social Sciences Integrated</b>	<b>150</b>
<b>Anatomy and Physiology</b>	<b>60</b>
<b>Nutrition and Diet Therapy</b>	<b>40</b>
<b>Pharmacology</b>	<b>80</b>
<b>**Medical-Surgical</b>	<b>450</b>
<b>Geriatrics</b>	<b>100</b>
<b>Psychiatric Nursing</b>	<b>100</b>
<b>Obstetrics</b>	<b>60</b>
<b>Pediatrics</b>	<b>60</b>
<b>Total Instructional Hours</b>	<b>1,300 (minimum number of hours required)</b>

**\* Topics to include ethical and legal responsibilities such as Advanced Directives, advocacy, professional boundaries, confidentiality, client rights, organ donation, informed consent, incident reporting, resource management, Scope of Practice, delegation/assignment, leadership, legal standards, endorsement, continuing competence and grounds for disciplinary action including procedures and penalties.**

**\*\* Topics to include prevention and early detection of health problems.**

The program also offers the opportunity to acquire a certificate that is recognized by the *West Virginia Office of Health Facility Licensure and Certification (OHFLAC)*. This will allow a practical nursing student to take the certified nursing assistant exam and practicum at the end of Principles and Fundamentals.

<http://www.wvdhhr.org/ohflac/NA/Education.aspx>

It is highly recommended that all postsecondary students planning to complete a Health Science Education program take 0714, Introduction to Health Care, as a prerequisite. Once successfully completed, the core does not need to be repeated at any instructional level. Therefore, secondary level students who have successfully completed a Health Science Education program do not need this prerequisite course.

This curriculum is also based upon the NCLEX-PN Detailed Test Plan available at

[https://www.ncsbn.org/2011\\_PN\\_DetailedTestPlan\\_Candidate.pdf](https://www.ncsbn.org/2011_PN_DetailedTestPlan_Candidate.pdf).

**HOSA Future Health Professionals** is the appropriate and recommended Career and Technical Student Organization for providing leadership training and reinforcing specific career and technical skills. Career and Technical Student Organizations provide activities for students as an integral part of the instruction offered.

**Theoretical instruction includes the following:**

Role and Function of a Practical Nurse  
Personal, Family and Community Health Concepts  
Nutrition  
Human Growth and Development  
Anatomy and Physiology  
Interpersonal Relationship Skills  
Mental Health Concepts  
Pharmacology and Administration of Medications  
Legal Aspects of Practice  
History And Trends in Nursing  
Family Living  
Use of Technology  
Communications  
Math for Medications  
Leadership/Critical Thinking

**Clinical experience must make up no less than 25% and no more than 50% of the total program.**

\*Clinical Simulation/Virtual Clinical assignments may be used for no more than 25% of the total clinical experience.

**Clinical Experiences include the following:**

Medical Surgical  
Maternal/Infant  
Pharmacology  
Pediatric  
Mental Health  
Geriatric Nursing  
Acute Care  
Long Term Care  
Nursing Office Care  
Community Settings

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**National Consortium for Health Science Education Health Care Standards**

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**Course Description:** This course includes fundamental nursing practice skills which are developed to aid in the assessment of normal body function and implementation of basic nursing care. As the study of nursing practice skills continues, emphasis is placed on applied knowledge essential to caring for the adult client, primarily elderly with simple long or short term medical/surgical needs including rehabilitation. Critical thinking exercises are introduced. Laboratory practice is integrated with clinical experience with skills progressing from the simple to the complex. This course is developed to meet the requirements of principles and fundamentals (200 hours of instruction) as required by the West Virginia State Board of Examiners for Licensed Practical Nurses, and the nursing assistant certification exam offered by OHFLAC. Clinical experiences must be integrated into the class to meet the West Virginia Board of Practical Nursing educational laws and requirements.

**Skill Sets**

Safe and Effective Care and Environment

Health Promotion and Maintenance

Psychosocial Integrity

Physiological Integrity

Pharmacological Therapies

**Objectives**

Utilize the nursing process to gather data regarding patient's medical status.

Analyze data related to patient's medical status.

Utilize the nursing process to contribute to the patient's plan of care.

Utilize the nursing process when making decisions related to patient care.

Utilize the nursing process to safely demonstrate nursing skills needed to promote patient wellness.

Utilize the nursing process to evaluate patient's responses to nursing actions.

Discuss documentation guidelines.

Perform aspects of the patient's complete physical examination.

Use correct aseptic or sterile techniques.

Identify safety issues related to patient care.

Provide wound care in a variety of patient situations.

Implement nursing actions to prevent complications of immobility

Provide nursing care for the patient before, during and after a therapeutic procedure and/or surgery.

Identify nursing care needed for the dying patient.

Explain nursing care needed for the geriatric patient.

Discuss nursing care for the patient in pain.

Demonstrate techniques for obtaining specimens needed for diagnostic testing.

Complete requirements needed for certified nursing assistant exam (OHFLAC).

Skill Set	Safe and Effective Care Environment	
<i>Knowledge Objectives</i>	<i>Students will demonstrate knowledge of</i>	
0601.1	<ul style="list-style-type: none"> <li>• coordinated care.</li> <li>• safety and infection control.</li> </ul>	
<i>Performance Objectives</i>	<i>Students will</i>	<i>Skill Set Met</i>
0601.2	<ul style="list-style-type: none"> <li>• collaborate with health care team members to facilitate effective client care.</li> </ul>	
0601.3	<ul style="list-style-type: none"> <li>• discuss Advance Directives.</li> </ul>	
0601.4	<ul style="list-style-type: none"> <li>• exhibit patient advocacy.</li> </ul>	
0601.5	<ul style="list-style-type: none"> <li>• take part in client care assignments.</li> </ul>	
0601.6	<ul style="list-style-type: none"> <li>• demonstrate an understanding of client rights.</li> </ul>	
0601.7	<ul style="list-style-type: none"> <li>• collaborate with interdisciplinary teams.</li> </ul>	
0601.8	<ul style="list-style-type: none"> <li>• discuss concepts of management and supervision.</li> </ul>	
0601.9	<ul style="list-style-type: none"> <li>• demonstrate confidentiality/information security.</li> </ul>	
0601.10	<ul style="list-style-type: none"> <li>• facilitate continuity of care.</li> </ul>	
0601.11	<ul style="list-style-type: none"> <li>• establish priorities.</li> </ul>	
0601.12	<ul style="list-style-type: none"> <li>• demonstrate ethics in nursing practice.</li> </ul>	
0601.13	<ul style="list-style-type: none"> <li>• know and fulfill requirements regarding informed consent.</li> </ul>	
0601.14	<ul style="list-style-type: none"> <li>• identify and adhere to legal responsibilities.</li> </ul>	
0601.15	<ul style="list-style-type: none"> <li>• recognize the need for performance improvement (quality improvement)</li> </ul>	
0601.16	<ul style="list-style-type: none"> <li>• demonstrate how to implement the referral process.</li> </ul>	
0601.17	<ul style="list-style-type: none"> <li>• follows resource management policies and procedures.</li> </ul>	
0601.18	<ul style="list-style-type: none"> <li>• facilitate accident/error/injury prevention.</li> </ul>	
0601.19	<ul style="list-style-type: none"> <li>• facilitate emergency response plan</li> </ul>	
0601.20	<ul style="list-style-type: none"> <li>• apply ergonomic principles.</li> </ul>	
0601.21	<ul style="list-style-type: none"> <li>• demonstrate handling hazardous and infection materials.</li> </ul>	
0601.22	<ul style="list-style-type: none"> <li>• adhere to facility safety policies.</li> </ul>	
0601.23	<ul style="list-style-type: none"> <li>• report incidents/event/irregular occurrences/variances in client/patient care.</li> </ul>	
0601.24	<ul style="list-style-type: none"> <li>• explain the use of restraints and safety devices.</li> </ul>	
0601.25	<ul style="list-style-type: none"> <li>• use equipment safely.</li> </ul>	
0601.26	<ul style="list-style-type: none"> <li>• describe facility security plan.</li> </ul>	
0601.27	<ul style="list-style-type: none"> <li>• demonstrate Standard Precautions/transmission-based precautions/surgical asepsis.</li> </ul>	
Skill Set	Health Promotion and Maintenance	
<i>Knowledge Objectives</i>	<i>Students will demonstrate knowledge of</i>	
0601.28	<ul style="list-style-type: none"> <li>• growth and development.</li> <li>• prevention/early detection of health problems.</li> </ul>	
<i>Performance Objectives</i>	<i>Students will</i>	<i>Skill Set Met</i>
0601.29	<ul style="list-style-type: none"> <li>• demonstrate knowledge of the aging process.</li> </ul>	
0601.30	<ul style="list-style-type: none"> <li>• identify data collection techniques.</li> </ul>	
0601.31	<ul style="list-style-type: none"> <li>• demonstrate knowledge of developmental stages and transition.</li> </ul>	
0601.32	<ul style="list-style-type: none"> <li>• demonstrate knowledge of health promotion/disease prevention.</li> </ul>	
0601.33	<ul style="list-style-type: none"> <li>• recognize high risk behaviors.</li> </ul>	

0601.34	• compare life style choices.	
0601.35	• stress importance of self-care.	
<b>Skill Set</b>	<b>Psychosocial Integrity</b>	
<i>Knowledge Objectives</i>	<i>Students will demonstrate knowledge of</i>	
0601.36	• providing care that assists with promotion and support of the emotional, mental and social well-being of clients.	
<i>Performance Objectives</i>	<i>Students will</i>	<i>Skill Set Met</i>
0601.37	• recognize signs and symptom of abuse/neglect.	
0601.38	• demonstrate how to report/document abuse/neglect.	
0601.39	• identify behavioral management techniques.	
0601.40	• describe chemical and other dependencies.	
0601.41	• identify different types of coping mechanisms.	
0601.42	• identify different types of crisis intervention techniques.	
0601.43	• demonstrate respect for different types of cultures	
0601.44	• demonstrate understanding of end of life concepts.	
0601.45	• identify stages of grief.	
0601.46	• recognize different mental health concepts.	
0601.47	• describe religious and spiritual beliefs on health.	
0601.48	• describe types of sensory /perceptual alterations.	
0601.49	• discuss stress and management of stressors in patient/clients' care.	
0601.50	• recognize the variety of support systems.	
0601.51	• demonstrate therapeutic communication.	
0601.52	• discuss the importance of therapeutic environments.	
<b>Skill Set</b>	<b>Physiological Integrity</b>	
<i>Knowledge Objectives</i>	<i>Students will demonstrate knowledge of</i>	
0601.53	• basic care and comfort.	
	• pharmacological therapies.	
	• reduction of risk potential.	
	• physiological adaptations.	
<i>Performance Objectives</i>	<i>Students will</i>	<i>Skill Set Met</i>
0601.54	• demonstrate use of assistive devices.	
0601.55	• discuss the process of elimination.	
0601.56	• differentiate mobility versus immobility.	
0601.57	• demonstrate knowledge of non-pharmacological comfort interventions.	
0601.58	• understand the importance of nutrition and oral hydration.	
0601.59	• identify the importance of and demonstrate providing personal hygiene.	
0601.60	• discuss the need for rest and sleep.	
0601.61	• provide care related to the administration of medications.	
0601.62	• monitor clients who are receiving parenteral therapies.	
0601.63	• demonstrate knowledge of adverse effects/contraindications/side effects/interactions of medications.	
0601.64	• perform correctly dosage calculations.	
0601.65	• know/monitor the client/patient for expected actions/outcomes of medication.	

0601.66	• practice/perform medication administration.	
0601.67	• demonstrate knowledge of pharmacological pain management.	
0601.68	• reduce the potential for clients/patients to develop complications related to treatments, procedures or existing conditions.	
0601.69	• assess vital signs and note changes/abnormalities.	
0601.70	• perform diagnostic testing.	
0601.71	• reinforce client/patient teaching about diagnostic testing.	
0601.72	identify laboratory values for ABG's, BUN, cholesterol (total), glucose, hematocrit, hemoglobin, glycosylated hemoglobin (HgbA1c), platelets, potassium, sodium, WBC, creatinine, PT, PTT & APTT.	
0601.73	• compare client laboratory values to normal laboratory values.	
0601.74	• perform venipuncture for blood draw.	
0601.75	• collect specimen (urine, stool, gastric contents or sputum for diagnostic testing).	
0601.76	• monitor diagnostic or laboratory test results.	
0601.77	• notify primary health care provider about client laboratory test results.	
0601.78	• monitor patient/client for alterations in body systems.	
0601.79	• monitor patient/client for complications of diagnostic tests, treatments and procedures.	
0601.80	• assess and monitor patient/client for complications from surgical procedures and health alterations.	
0601.81	• insert a urinary catheter.	
0601.82	• insert nasogastric tube.	
0601.83	• assist with the performance of a diagnostic or invasive procedure.	
0601.84	• reinforce client/patient teaching on treatments and procedures.	
0601.85	• participate in providing care for clients with acute, chronic or life threatening physical health conditions.	

**\*Any Practical Nursing Module (1 through 6) can be integrated throughout this course.**

## Practical Nursing II

WVEIS 0602

### WV State Board of Examiners for Licensed Practical Nursing

<http://www.lpnboard.state.wv.us>

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**Course Description** The student will provide comfort and assistance in performing of activities of daily living for patients with common non-complicated disorders. Data collection skills will be practiced. The student will assist the client and significant others during the normal expected stages of growth and development from conception through advanced old age. Experiences will be provided that will give the student opportunities to reduce the patient's potential for developing complications or health problems related to treatments, procedures or existing conditions. Students will identify patient problems, identify appropriate interventions and evaluate nursing care to patients in both acute and extended care facilities.

### Skill Sets

Safe and Effective Care and Environment

Health Promotion and Maintenance

Psychosocial Integrity

Physiological Integrity

Pharmacological Therapies

Skill Set	Safe and Effective Care Environment	
<i>Knowledge Objectives</i>	<i>Students will demonstrate knowledge of</i>	
0602.1	<ul style="list-style-type: none"><li>• data collection.</li><li>• exhibit professional behavior.</li></ul>	
<i>Performance Objectives</i>	<i>Students will</i>	<i>Skill Set Met</i>
0602.2	<ul style="list-style-type: none"><li>• plan a focused assessment with vital signs including subjective and objective data from the client.</li></ul>	
0602.3	<ul style="list-style-type: none"><li>• gather lab and diagnostic data.</li></ul>	
0602.4	<ul style="list-style-type: none"><li>• recognize/report abnormal data to instructor and/or nursing staff.</li></ul>	
0602.5	<ul style="list-style-type: none"><li>• clarify/question unclear data prior to providing care and gather pertinent data from the Kardex and client's history and physical information in the chart.</li></ul>	
0602.6	<ul style="list-style-type: none"><li>• identify/report potential hazards for clients and staff including client symptoms of communicable diseases, and follow Standard Precautions.</li></ul>	
0602.7	<ul style="list-style-type: none"><li>• identify all roles of the nurse and identify/ integrate age and developmental stages in providing care throughout the lifespan (pediatrics through geriatric adults).</li></ul>	



0602.8	<ul style="list-style-type: none"> <li>identify family roles, dynamics, and stressors for the client and family members, including spiritual/religious/value system of client and impact on providing care.</li> </ul>	
0602.9	<ul style="list-style-type: none"> <li>identify risk factors for disease/illness, complications associated with diagnosis, client abilities/limitations in self-care, and unhealthy behaviors for preventing complications through client teaching.</li> </ul>	
0602.10	<ul style="list-style-type: none"> <li>report and record pertinent observations in all areas of the nursing process in a timely manner.</li> </ul>	
0602.11	<ul style="list-style-type: none"> <li>use correct medical terminology and approved abbreviations giving an accurate reflection of client status.</li> </ul>	
0602.12	<ul style="list-style-type: none"> <li>document accurate focused assessment data collection.</li> </ul>	
0602.13	<ul style="list-style-type: none"> <li>document correctly using the appropriate facility and school forms.</li> </ul>	
0602.14	<ul style="list-style-type: none"> <li>attend full clinical day (arrive on time, do not leave early); maintain professional appearance; bring all necessary equipment.</li> </ul>	
0602.15	<ul style="list-style-type: none"> <li>demonstrate professional and ethical behavior; work within current scope of practice; follow specific instructions given by instructor and staff.</li> </ul>	
0602.16	<ul style="list-style-type: none"> <li>communicate appropriately with clients, staff, and instructors; manage stressful situations appropriately; actively seek learning opportunities.</li> </ul>	
<b>Skill Set</b>	<b>Health Promotion and Maintenance</b>	
<i>Knowledge Objectives</i>	<i>Students will demonstrate knowledge of</i>	
0602.17	<ul style="list-style-type: none"> <li>problem statement and planning.</li> </ul>	

<i>Performance Objectives</i>	<i>Students will</i>	<i>Skill Set Met</i>
0602.18	<ul style="list-style-type: none"> <li>develop problem statement/modify plan of care based on data collection, including age-specific and developmental aspects, and anticipation of client needs based upon client condition/medical diagnosis.</li> </ul>	
0602.19	<ul style="list-style-type: none"> <li>identify, participate, and begin to prioritize problems based on data collection and client condition in planning care comprising the physical, psychological, social, cultural, and spiritual needs of the client; begin to review and revise plan of care as needed.</li> </ul>	
0602.20	<ul style="list-style-type: none"> <li>identify Scope of Practice of assistive personnel.</li> </ul>	
0602.21	<ul style="list-style-type: none"> <li>participate in educational activities/attend multidisciplinary client care conferences.</li> </ul>	
<b>Skill Set</b>	<b>Psychosocial Integrity</b>	
<i>Knowledge Objectives</i>	<i>Students will demonstrate knowledge of</i>	
0602.22	<ul style="list-style-type: none"> <li>care that assists with promotion and support of the emotional, mental and social wellbeing of clients.</li> </ul>	
<i>Performance Objectives</i>	<i>Students will</i>	<i>Skill Set Met</i>
0602.23	<ul style="list-style-type: none"> <li>recognize signs and symptom of abuse/neglect.</li> </ul>	
0602.24	<ul style="list-style-type: none"> <li>know how to report/document abuse/neglect.</li> </ul>	
0602.25	<ul style="list-style-type: none"> <li>demonstrate awareness of influences of religious and spiritual beliefs on health.</li> </ul>	
0602.26	<ul style="list-style-type: none"> <li>describe and care for different types of sensory /perceptual alterations.</li> </ul>	
0602.27	<ul style="list-style-type: none"> <li>define stress and identify how to manage stressors in patient/clients.</li> </ul>	
0602.28	<ul style="list-style-type: none"> <li>recognize the variety of support systems.</li> </ul>	
0602.29	<ul style="list-style-type: none"> <li>demonstrate therapeutic communication.</li> </ul>	
0602.30	<ul style="list-style-type: none"> <li>evaluate communication techniques for client, family members, staff and understanding of client confidentiality.</li> </ul>	
0602.31	<ul style="list-style-type: none"> <li>evaluate components of informed consent, invasive procedures performed for the client, and potential complications of medical treatments.</li> </ul>	
<b>Skill Set</b>	<b>Physiological Integrity</b>	
<i>Knowledge Objectives</i>	<i>Students will demonstrate knowledge of</i>	
0602.32	<ul style="list-style-type: none"> <li>basic care and comfort.</li> </ul>	
	<ul style="list-style-type: none"> <li>reduction of risk potential.</li> </ul>	
	<ul style="list-style-type: none"> <li>physiological adaptations.</li> </ul>	
<i>Performance Objectives</i>	<i>Students will</i>	<i>Skill Set Met</i>
0602.33	<ul style="list-style-type: none"> <li>utilize developed care plans to provide care for clients experiencing a variety of common health alterations.</li> </ul>	
0602.34	<ul style="list-style-type: none"> <li>provide practical nursing care for the client experiencing a health alteration commonly found in the elderly.</li> </ul>	

0602.35	<ul style="list-style-type: none"> <li>perform and prepare client for a complete focused assessment, including mental exam and vital signs with correct documentation</li> <li>following facility policies/procedures, correct notification of staff/instructor of changes in client status (abnormal data); and participate in discharge planning.</li> </ul>	
0602.36	<ul style="list-style-type: none"> <li>perform prioritized interventions based on problem statement/plan of care; provide confidentiality/privacy with client; and use safe, cost effective measures when providing nursing care.</li> </ul>	
0602.37	<ul style="list-style-type: none"> <li>provide correct body alignment/assistance with ROM exercise/ambulation; provide non-pharmacological management of pain; schedule activities to promote rest; and implement interventions to prevent neurological, cardiovascular, respiratory, endocrine, and urinary complications, reporting complications to physician as necessary.</li> </ul>	
0602.38	<ul style="list-style-type: none"> <li>demonstrate knowledge/correct use of precautionary measures necessary to prevent organism transmission and use of sterile and aseptic technique.</li> </ul>	
0602.39	<ul style="list-style-type: none"> <li>review accuracy of client orders following facility's policies to prevent treatment errors and perform all invasive and non-invasive skills safely (see Skills Performance objectives).</li> </ul>	
0602.40	<ul style="list-style-type: none"> <li>identify professional limitations and scope of practice and perform all roles of the nurse (see Skills Performance and Documentation objectives).</li> </ul>	
0602.41	<ul style="list-style-type: none"> <li>use effective communication skills with client, family members, and staff; alternative communication devices/assistive devices for client</li> </ul>	
0602.42	<ul style="list-style-type: none"> <li>identify legal and ethical issues affecting client/family and staff members</li> </ul>	
0602.43	<ul style="list-style-type: none"> <li>identify community resources available to client and family; and assist in resolving conflicts with client, family members, and staff.</li> </ul>	
0602.44	<ul style="list-style-type: none"> <li>establish a trusting nurse-client relationship assisting the client in identifying behaviors that could impact health; identify clients' rights based upon law, including refusal of treatment/procedures; and intervene in unsafe client situations.</li> </ul>	
0602.45	<ul style="list-style-type: none"> <li>provide, monitor, and maintain special diet for client based on diagnosis/nutritional needs, including supplements.</li> </ul>	
0602.46	<ul style="list-style-type: none"> <li>participate/identify appropriate person to obtain/provide informed consent and identify situations regarding incident reports following facility policy to complete accurate incident reports; and report situations of abuse, neglect, and injury based upon facility policy and law.</li> </ul>	
0602.47	<ul style="list-style-type: none"> <li>follow plan to assist client in meeting safety needs related to diagnosis and prescribed treatments including verification of client identity prior to performing interventions on client; follow facility policies and inspection of equipment for safety; and provide client with appropriate methods to signal/call staff members.</li> </ul>	
0602.48	<ul style="list-style-type: none"> <li>perform age-specific and developmental aspects necessary for care based on client abilities; identify personal values/beliefs and respect differing personal choices/lifestyle of client; and manage client valuables according to facility policy.</li> </ul>	

0602.49	<ul style="list-style-type: none"> <li>provide a safe environment for client, family members, and staff; recognize safety and environmental hazards; follow procedures for handling Biohazardous materials; and assist in facility evacuation policies for internal and external disasters.</li> </ul>	
0602.50	<ul style="list-style-type: none"> <li>provide least restrictive environment and follow facility policies regarding initiation, monitoring, and documentation of restraint use.</li> </ul>	
0602.51	<ul style="list-style-type: none"> <li>perform postmortem care for client.</li> </ul>	
0602.52	<ul style="list-style-type: none"> <li>perform nursing skills safety using appropriate steps as identified in Skills Check list.</li> </ul>	
<b>Skill Set</b>	<b>Pharmacological Therapies</b>	
<i>Knowledge Objectives</i>	<i>Students will demonstrate knowledge of</i>	
0602.53	<ul style="list-style-type: none"> <li>evaluate nursing interventions.</li> </ul>	
<i>Performance Objectives</i>	<i>Students will</i>	<i>Skill Set Met</i>
0602.54	<ul style="list-style-type: none"> <li>evaluate nursing interventions and offer suggestions for modification of the nursing care plan by the registered nurse.</li> </ul>	
0602.55	<ul style="list-style-type: none"> <li>evaluate methods used to control infectious agents.</li> </ul>	
0602.56	<ul style="list-style-type: none"> <li>evaluate prescribed medications.</li> </ul>	

**\*Any Practical Nursing Module 1 through 6 can be integrated throughout this course.**

**Practical Nursing III**

**WVEIS 0603**

**WV State Board of Examiners for Licensed Practical Nursing**

<http://www.lpnboard.state.wv.us>

**Office of Health Facility Licensure and Certification**

<http://www.wvdhhr.org/ohflac/NA/Education.aspx>

**National Consortium for Health Science Education Health Care Standards**

[http://www.healthscienceconsortium.org/docs/therapeutic\\_svcs\\_pathway.pdf](http://www.healthscienceconsortium.org/docs/therapeutic_svcs_pathway.pdf)

**Course Description:** In this course, the personal and professional qualities needed by the practical nursing student are studied as well as ethical, legal and moral responsibilities. Integrated within this course of study are basic communication skills. Instruction is designed to acquaint the student with the role of the practical nurse as a member of the health care team. Critical thinking is introduced as a concept. Later in the course, the student is introduced to leadership and management skills and information on employment and educational opportunities available to the practical nurse. Work skills such as procuring, retaining and terminating employment are discussed, as well as personal and professional liability insurance, application for state licensure, NCLEX application process, professional organization membership and continuing education requirements. This course is developed to meet 150 hours of integrated social sciences required by the West Virginia Board of Examiners for Licensed Practical Nursing.

**Skill Sets**

Safe and Effective Care Environment

Health Promotion and Maintenance

Psychosocial Integrity

Skill Set	Safe and Effective Care Environment	
<i>Knowledge Objectives</i>	<i>Students will demonstrate knowledge of</i>	
0603.1	• communication.	
	• teamwork.	
	• professionalism.	
	• health care delivery systems.	
	• nursing ethics and law principals.	
	• health care provider roles.	
	• WV Board of Practical Nursing Rules and Regulations.	
	• licensure.	
	• CEU requirements.	
	• information and technology tools.	
<i>Performance Objectives</i>	<i>Students will</i>	<i>Skill Set Met</i>
0603.2	• utilize appropriate learning skills to successfully complete a nursing education career major.	
0603.3	• implement effective communication techniques in nursing practice.	
0603.4	• effectively utilize teamwork skills in any setting.	
0603.5	• develop professionalism traits to be used in nursing practice.	

0603.6	<ul style="list-style-type: none"> <li>implement nursing ethics and law principles to ensure nursing best practice.</li> </ul>	
0603.7	<ul style="list-style-type: none"> <li>recognize evolving health care delivery systems issues and make changes accordingly.</li> </ul>	
0603.8	<ul style="list-style-type: none"> <li>become familiar with the WV Board of Practical Nursing Rules and Regulations.</li> </ul>	
0603.9	<ul style="list-style-type: none"> <li>recognize practical nursing licensure requirements for WV.</li> </ul>	
0603.10	<ul style="list-style-type: none"> <li>know the CEU requirements for practical nurses in WV.</li> </ul>	
0603.11	<ul style="list-style-type: none"> <li>become familiar with information and technology tools used in health care facilities and in communication skills.</li> </ul>	
<b>Skill Set</b>	<b>Health Promotion and Maintenance</b>	
<i>Knowledge Objectives</i>	<i>Students will demonstrate knowledge of</i>	
0603.12	<ul style="list-style-type: none"> <li>age-appropriate and culturally competent care.</li> <li>health promotions strategies.</li> </ul>	
<i>Performance Objectives</i>	<i>Students will</i>	<i>Skill Set Met</i>
0603.13	<ul style="list-style-type: none"> <li>provide age-appropriate and culturally competent care throughout the patient's lifespan.</li> </ul>	
0603.14	<ul style="list-style-type: none"> <li>provide health promotion strategies to support and encourage patient wellness.</li> </ul>	
<b>Skill Set</b>	<b>Psychosocial Integrity</b>	
<i>Knowledge Objectives</i>	<i>Students will demonstrate knowledge of</i>	
0603.15	<ul style="list-style-type: none"> <li>problem solving and critical thinking skills.</li> </ul>	
	<ul style="list-style-type: none"> <li>employability and entrepreneurship skills.</li> </ul>	
	<ul style="list-style-type: none"> <li>leadership.</li> </ul>	
	<ul style="list-style-type: none"> <li>employability skills.</li> </ul>	
	<ul style="list-style-type: none"> <li>professional memberships.</li> </ul>	
<i>Performance Objectives</i>	<i>Students will</i>	<i>Skill Set Met</i>
0603.16	<ul style="list-style-type: none"> <li>develop and use problem solving and critical thinking skills.</li> </ul>	
0603.17	<ul style="list-style-type: none"> <li>familiarize themselves with local health care facilities in their local area.</li> </ul>	
0603.18	<ul style="list-style-type: none"> <li>explore entrepreneurship skills.</li> </ul>	
0603.19	<ul style="list-style-type: none"> <li>recognize different leadership styles and roles in health care.</li> </ul>	
0603.20	<ul style="list-style-type: none"> <li>develop and practice employability skills.</li> </ul>	
0603.21	<ul style="list-style-type: none"> <li>explore professional memberships for practical nurses.</li> </ul>	
0603.22	<ul style="list-style-type: none"> <li>take part in a practical nursing NCLEX review.</li> </ul>	

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**National Consortium for Health Science Education Health Care Standards**

[http://www.healthscienceconsortium.org/docs/therapeutic\\_svcs\\_pathway.pdf](http://www.healthscienceconsortium.org/docs/therapeutic_svcs_pathway.pdf)

**Course Description:** Building on concepts from previous courses, this course focuses on health management, maintenance and prevention of illness, care of the individual as a whole and deviations from the normal state of health. The administration of patient care includes using the nursing process, performing focused assessments, use of critical thinking, and assisting with patient education. The systems included are integumentary, musculoskeletal, respiratory, cardiac, vascular and hematology. The concepts of patient care, treatments, pharmacology and diet therapy are included within each system. Content is presented from a patient-centered approach based on Maslow's Hierarchy of Needs. Patient care includes consideration of physiological, cognitive, psychosocial and spiritual needs. Consideration is also given to the impact of health issues, the potential physical and mental adjustments as well as divisional and rehabilitative activities. Laboratory practice is integrated with clinical experience and skills progressing from the simple to the complex. Clinical experiences must be integrated into the class to meet the West Virginia Board of Practical Nursing educational laws and requirements.

**Skill Sets**

Safe and Effective Care and Environment

Health Promotion and Maintenance

Psychosocial Integrity

Physiological Integrity

Pharmacological Therapies

**Objectives**

Utilize the nursing process to gather data regarding patient's medical status.

Analyze data related to patient's medical status.

Utilize the nursing process to contribute to the patient's plan of care.

Utilize the nursing process when making decisions related to patient care.

Utilize the nursing process to safely demonstrate nursing skills needed to promote patient wellness.

Utilize the nursing process to evaluate patient's responses to nursing actions.

Discuss documentation guidelines.

Perform aspects of the patient's complete physical examination.

Use correct aseptic or sterile techniques.

Identify safety issues related to patient care.

Provide wound care in a variety of patient situations.

Implement nursing actions to prevent complications of immobility.

Provide nursing care for the patient before, during and after a therapeutic procedure and/or surgery.

Identify nursing care needed for the specific/assigned clients/patients.

Explain nursing care needed for the specific/assigned clients/patients.

Discuss nursing care for the patient in pain.

Demonstrate techniques for obtaining specimens needed for diagnostic testing.

Provide care related to the administration of medications and monitors clients/patients who are receiving medications.

Skill Set	Safe and Effective Care Environment	
<i>Knowledge Objectives</i>	<i>Students will demonstrate knowledge of</i>	
0604.1	<ul style="list-style-type: none"> <li>• coordinated care.</li> <li>• safety and infection control.</li> </ul>	
<i>Performance Objectives</i>	<i>Students will</i>	<i>Skill Set Met</i>
0604.2	<ul style="list-style-type: none"> <li>• collaborate with health care team members to facilitate effective client care.</li> </ul>	
0604.3	<ul style="list-style-type: none"> <li>• discuss Advance Directives.</li> </ul>	
0604.4	<ul style="list-style-type: none"> <li>• explain and exhibit patient advocacy.</li> </ul>	
0604.5	<ul style="list-style-type: none"> <li>• take part in client care assignments.</li> </ul>	
0604.6	<ul style="list-style-type: none"> <li>• demonstrate an understanding of client rights.</li> </ul>	
0604.7	<ul style="list-style-type: none"> <li>• collaborate with interdisciplinary teams.</li> </ul>	
0604.8	<ul style="list-style-type: none"> <li>• describe the concepts of management and supervision.</li> </ul>	
0604.9	<ul style="list-style-type: none"> <li>• demonstrate confidentiality/information security.</li> </ul>	
0604.10	<ul style="list-style-type: none"> <li>• facilitate continuity of care.</li> </ul>	
0604.11	<ul style="list-style-type: none"> <li>• establish priorities.</li> </ul>	
0604.12	<ul style="list-style-type: none"> <li>• demonstrate ethics in nursing practice.</li> </ul>	
0604.13	<ul style="list-style-type: none"> <li>• identify and fulfill requirements regarding informed consent.</li> </ul>	
0604.14	<ul style="list-style-type: none"> <li>• discuss legal responsibilities.</li> </ul>	
0604.15	<ul style="list-style-type: none"> <li>• recognize the need for performance improvement (quality improvement).</li> </ul>	
0604.16	<ul style="list-style-type: none"> <li>• describe how to implement the referral process.</li> </ul>	
0604.17	<ul style="list-style-type: none"> <li>• follow resource management policies and procedures.</li> </ul>	
0604.18	<ul style="list-style-type: none"> <li>• facilitate accident/error/injury prevention.</li> </ul>	
0604.19	<ul style="list-style-type: none"> <li>• facilitate emergency response plan.</li> </ul>	
0604.20	<ul style="list-style-type: none"> <li>• apply ergonomic principles.</li> </ul>	
0604.21	<ul style="list-style-type: none"> <li>• demonstrate handling hazardous and infection materials.</li> </ul>	
0604.22	<ul style="list-style-type: none"> <li>• adhere to facility safety policies.</li> </ul>	
0604.23	<ul style="list-style-type: none"> <li>• report incidents/event/irregular occurrences/variances in client/patient care.</li> </ul>	
0604.24	<ul style="list-style-type: none"> <li>• explain the use of restraints and safety devices.</li> </ul>	
0604.25	<ul style="list-style-type: none"> <li>• use equipment safely.</li> </ul>	
0604.26	<ul style="list-style-type: none"> <li>• describe a facility security plan.</li> </ul>	
0604.27	<ul style="list-style-type: none"> <li>• understand and demonstrate Standard Precautions/transmission-based precautions/surgical asepsis.</li> </ul>	
Skill Set	Health Promotion and Maintenance	
<i>Knowledge Objectives</i>	<i>Students will demonstrate knowledge of</i>	
0604.28	<ul style="list-style-type: none"> <li>• growth and development.</li> <li>• prevention/early detection of health problems.</li> </ul>	



<i>Performance Objectives</i>	<i>Students will</i>	<i>Skill Set Met</i>
0604.29	• demonstrate knowledge of the aging process.	
0604.30	• identify data collection techniques.	
0604.31	• demonstrate knowledge of developmental stages and transition.	
0604.32	• demonstrate knowledge of health promotion/disease prevention.	
0604.33	• recognize high risk behaviors.	
0604.34	• compare life style choices.	
0604.35	• stress importance of self-care.	
<b>Skill Set</b>	<b>Psychosocial Integrity</b>	
<i>Knowledge Objectives</i>	<i>Students will demonstrate knowledge of</i>	
0604.36	• providing care that assists with promotion and support of the emotional, mental and social wellbeing of clients.	
<i>Performance Objectives</i>	<i>Students will</i>	<i>Skill Set Met</i>
0604.37	• recognize signs and symptom of abuse/neglect.	
0604.38	• know how to report/document abuse/neglect.	
0604.39	• describe behavioral management techniques.	
0604.40	• identify chemical and other dependencies.	
0604.41	• identify different types of coping mechanisms.	
0604.42	• discuss types of crisis intervention techniques.	
0604.43	• be respectful of different types of cultures.	
0604.44	• discuss end of life concepts.	
0604.45	• identify the stages of grief.	
0604.46	• recognize different mental health concepts.	
0604.47	• demonstrate awareness of influences of religious and spiritual beliefs on health.	
0604.48	• describe and care for different types of sensory /perceptual alterations.	
0604.49	• define stress and identify how to manage stressors in patient/clients.	
0604.50	• recognize the variety of support systems.	
0604.51	• demonstrate therapeutic communication.	
0604.52	• demonstrate the importance of therapeutic environments.	
<b>Skill Set</b>	<b>Physiological Integrity</b>	
<i>Knowledge Objectives</i>	<i>Students will demonstrate knowledge of</i>	
0604.53	• basic care and comfort.	
	• pharmacological therapies.	
	• reduction of risk potential.	
	• physiological adaptations.	
<i>Performance Objectives</i>	<i>Students will</i>	<i>Skill Set Met</i>
0604.54	• demonstrate use of assistive devices.	
0604.55	• describe the process of elimination.	
0604.56	• differentiate mobility versus immobility.	
0604.57	• demonstrate knowledge of non-pharmacological comfort interventions.	
0604.58	• describe the importance of nutrition and oral hydration.	
0604.59	• explain the importance of and demonstrate providing personal hygiene.	

0604.60	• discuss the need for rest and sleep.	
0604.61	• provide care related to the administration of medications.	
0604.62	• monitor clients who are receiving parenteral therapies.	
0604.63	• demonstrate knowledge of adverse effects/contraindications/side effects/interactions of medications.	
0604.64	• perform correctly dosage calculations.	
0604.65	• monitor the client/patient for expected actions/outcomes of medication.	
0604.66	• practice/perform medication administration.	
0604.67	• demonstrate knowledge of pharmacological pain management.	
0604.68	• reduce the potential for clients/patients to develop complications related to treatments, procedures or existing conditions.	
0604.69	• assess vital signs and note changes/abnormalities.	
0604.70	• perform diagnostic testing.	
0604.71	• reinforce client/patient teaching about diagnostic testing.	
0604.72	• identify laboratory values for ABG's, BUN, Cholesterol (total), glucose, hematocrit, hemoglobin, glycosylated hemoglobin (HgbA1c), platelets, potassium, sodium, WBC, creatinine, PT, PTT & APTT.	
0604.73	• compare client laboratory values to normal laboratory values.	
0604.74	• perform venipuncture for blood draw.	
0604.75	• collect specimen (urine, stool, gastric contents or sputum for diagnostic testing).	
0604.76	• monitor diagnostic or laboratory test results.	
0604.77	• notify primary health care provider about client laboratory test results.	
0604.78	• monitor patient/client for alterations in body systems.	
0604.79	• monitor patient/client for complications of diagnostic tests, treatments and procedures.	
0604.80	• assess and monitor patient/client for complications from surgical procedures and health alterations.	
0604.81	• insert a urinary catheter.	
0604.82	• insert nasogastric tube.	
0604.83	• assist with the performance of a diagnostic or invasive procedure.	
0604.84	• reinforce client/patient teaching on treatments and procedures.	
0604.85	• participate in providing care for clients with acute, chronic or life threatening physical health conditions.	
<b>Skill Set</b>	<b>Pharmacology Therapies</b>	
<i>Knowledge Objectives</i>	<i>Students will demonstrate knowledge of</i>	
0604.86	• care related to administration of medications. • monitoring of clients/patients who are receiving medications.	
<i>Performance Objectives</i>	<i>Students will</i>	<i>Skill Set Met</i>
0604.87	• perform calculations needed for medication administration.	
0604.88	• reinforce education to client regarding medications.	
0604.89	• evaluate client response to medication.	
0604.90	• follow the rights of medication administration.	
0604.91	• maintain medication safety practices (storage, checking for expiration dates or compatibility).	
0604.92	• reconcile and maintain medication list or medication administration record.	

0604.93	• administer medication by oral route.	
0604.94	• administer medication by gastrointestinal tube (i.e.g-tube, nasogastric (NG) tube, g-button or j-tube).	
0604.95	• administer intravenous piggyback (secondary) medications.	
0604.96	• administer a subcutaneous (SQ) intradermal or intramuscular (IM) medication.	
0604.97	• administer medication by ear, eye, nose, rectum, vagina or skin route.	
0604.98	• count narcotics/controlled substances.	
0604.99	• regulate client intravenous (IV) rate.	
0604.100	• monitor transfusion of blood product.	
0604.101	• monitor and maintain client intravenous (IV) site and flow rate.	

**\*Any Practical Nursing Module 1 through 6 can be integrated throughout this course.**

## Practical Nursing IV

WVEIS 0605

### WV State Board of Examiners for Licensed Practical Nursing

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**Course Description:** This course is a continuation of the nursing care of medical/surgical clients utilizing a body systems approach for specific systems. Integrated into the course will be the continued utilization of the nursing process and critical thinking skills to clients of all ages in all settings where nursing takes place. Included in this course is the culminating laboratory practicum experience associated with IV therapy and venipuncture education. Nutrition and pharmacology are integrated with related theory. Leadership training skills focus on geriatric assessment and medication administration. Emphasis is placed on interventions for individual health care problems utilizing the nursing process and critical thinking skills. Nutrition and pharmacology are integrated with related theory. Clinical experiences provide opportunities to administer medications to adult clients. Clinical experiences must be integrated into the class to meet the West Virginia Board of Practical Nursing educational laws and requirements.

## Skill Sets

Safe and Effective Care and Environment

Health Promotion and Maintenance

Psychosocial Integrity

Physiological Integrity

Pharmacological Therapies

## Objectives

Utilize the nursing process to gather data regarding patient's medical status.

Analyze data related to patient's medical status.

Utilize the nursing process to contribute to the patient's plan of care.

Utilize the nursing process when making decisions related to patient care.

Utilize the nursing process to safely demonstrate nursing skills needed to promote patient wellness.

Utilize the nursing process to evaluate patient's responses to nursing actions.

Discuss documentation guidelines.

Perform aspects of the patient's complete physical examination.

Use correct aseptic or sterile techniques.

Identify safety issues related to patient care.

Provide wound care in a variety of patient situations.

Implement nursing actions to prevent complications of immobility.

Provide nursing care for the patient before, during and after a therapeutic procedure and/or surgery.

Identify nursing care needed for the specific/assigned clients/patients.

Explain nursing care needed for specific/assigned clients/patients.

Discuss nursing care for the patient in pain.

Demonstrate techniques for obtaining specimens needed for diagnostic testing.

Provide care related to the administration of medications.

Monitor clients/patients who are receiving medications.

Skill Set	Safe and Effective Care environment	
<i>Knowledge Objectives</i>	<i>Students will demonstrate knowledge of</i>	
0605.1	<ul style="list-style-type: none"> <li>• coordinated care.</li> <li>• safety and infection control.</li> </ul>	
<i>Performance Objectives</i>	<i>Students will</i>	<i>Skill Set Met</i>
0605.2	<ul style="list-style-type: none"> <li>• collaborate with health care team members to facilitate effective client care.</li> </ul>	
0605.3	<ul style="list-style-type: none"> <li>• discuss Advance Directives.</li> </ul>	
0605.4	<ul style="list-style-type: none"> <li>• explain and exhibit patient advocacy.</li> </ul>	
0605.5	<ul style="list-style-type: none"> <li>• take part in client care assignments.</li> </ul>	
0605.6	<ul style="list-style-type: none"> <li>• demonstrate an understanding of client rights.</li> </ul>	
0605.7	<ul style="list-style-type: none"> <li>• collaborate with interdisciplinary teams.</li> </ul>	
0605.8	<ul style="list-style-type: none"> <li>• describe the concepts of management and supervision.</li> </ul>	
0605.9	<ul style="list-style-type: none"> <li>• demonstrate confidentiality/information security.</li> </ul>	
0605.10	<ul style="list-style-type: none"> <li>• facilitate continuity of care.</li> </ul>	
0605.11	<ul style="list-style-type: none"> <li>• establish priorities.</li> </ul>	
0605.12	<ul style="list-style-type: none"> <li>• demonstrate ethics in nursing practice.</li> </ul>	
0605.13	<ul style="list-style-type: none"> <li>• identify and fulfill requirements regarding informed consent.</li> </ul>	
0605.14	<ul style="list-style-type: none"> <li>• discuss legal responsibilities.</li> </ul>	
0605.15	<ul style="list-style-type: none"> <li>• recognize the need for performance improvement (quality improvement).</li> </ul>	
0605.16	<ul style="list-style-type: none"> <li>• describe how to implement the referral process.</li> </ul>	
0605.17	<ul style="list-style-type: none"> <li>• follow resource management policies and procedures.</li> </ul>	
0605.18	<ul style="list-style-type: none"> <li>• facilitate accident/error/injury prevention.</li> </ul>	
0605.19	<ul style="list-style-type: none"> <li>• facilitate emergency response plan.</li> </ul>	
0605.20	<ul style="list-style-type: none"> <li>• apply ergonomic principles.</li> </ul>	
0605.21	<ul style="list-style-type: none"> <li>• demonstrate handling hazardous and infection materials.</li> </ul>	
0605.22	<ul style="list-style-type: none"> <li>• adhere to facility safety policies.</li> </ul>	
0605.23	<ul style="list-style-type: none"> <li>• report incidents/event/irregular occurrences/variances in client/patient care.</li> </ul>	
0605.24	<ul style="list-style-type: none"> <li>• explain the use of restraints and safety devices.</li> </ul>	
0605.25	<ul style="list-style-type: none"> <li>• use equipment safely.</li> </ul>	
0605.26	<ul style="list-style-type: none"> <li>• describe a facility security plan.</li> </ul>	
0605.27	<ul style="list-style-type: none"> <li>• understand and demonstrate Standard Precautions/transmission-based precautions/surgical asepsis.</li> </ul>	
Skill Set	Health Promotion and Maintenance	
<i>Knowledge Objectives</i>	<i>Students will demonstrate knowledge of</i>	
0605.28	<ul style="list-style-type: none"> <li>• growth and development.</li> <li>• preventative/early detection of health problems.</li> </ul>	
<i>Performance Objectives</i>	<i>Students will</i>	<i>Skill Set Met</i>
0605.29	<ul style="list-style-type: none"> <li>• demonstrate knowledge of the aging process.</li> </ul>	
0605.30	<ul style="list-style-type: none"> <li>• identify data collection techniques.</li> </ul>	
0605.31	<ul style="list-style-type: none"> <li>• demonstrate knowledge of developmental stages and transition.</li> </ul>	

0605.32	• demonstrate knowledge of health promotion/disease prevention.	
0605.33	• recognize high risk behaviors.	
0605.34	• compare life style choices.	
0605.35	• stress importance of self-care.	
<b>Skill Set</b>	<b>Psychosocial Integrity</b>	
<i>Knowledge Objectives</i>	<i>Students will demonstrate knowledge of</i>	
0605.36	• care that assist with promotion and support of the emotional, mental and social wellbeing of clients.	
<i>Performance Objectives</i>	<i>Students will</i>	<i>Skill Set Met</i>
0605.37	• recognize signs and symptom of abuse/neglect.	
0605.38	• know how to report/document abuse/neglect.	
0605.39	• describe behavioral management techniques.	
0605.40	• identify chemical and other dependencies.	
0605.41	• identify different types of coping mechanisms.	
0605.42	• discuss types of crisis intervention techniques.	
0605.43	• be respectful of different types of cultures.	
0605.44	• discuss end of life concepts.	
0605.45	• identify the stages of grief.	
0605.46	• recognize different mental health concepts.	
0605.47	• demonstrate awareness of influences of religious and spiritual beliefs on health.	
0605.48	• describe and care for different types of sensory /perceptual alterations.	
0605.49	• define stress and identify how to manage stressors in patient/clients.	
0605.50	• recognize the variety of support systems.	
0605.51	• demonstrate therapeutic communication.	
0605.52	• demonstrate the importance of therapeutic environments.	
<b>Skill Set</b>	<b>Physiological Integrity</b>	
<i>Knowledge Objectives</i>	<i>Students will demonstrate knowledge of</i>	
0605.53	• basic care and comfort.	
	• pharmacological therapies.	
	• reduction of risk potential.	
	• physiological adaptations.	
<i>Performance Objectives</i>	<i>Students will</i>	<i>Skill Set Met</i>
0605.54	• demonstrate use of assistive devices.	
0605.55	• discuss the process of elimination.	
0605.56	• differentiate mobility versus immobility.	
0605.57	• demonstrate knowledge of non-pharmacological comfort interventions.	
0605.58	• understand the importance of nutrition and oral hydration.	
0605.59	• identify the importance of and demonstrate providing personal hygiene.	
0605.60	• discuss the need for rest and sleep.	
0605.61	• provide care related to the administration of medications.	
0605.62	• monitor clients who are receiving parenteral therapies.	
0605.63	• demonstrate knowledge of adverse effects/contraindications/side effects/interactions of medications.	

0605.64	• perform correctly dosage calculations.	
0605.65	• know/monitor the client/patient for expected actions/outcomes of medication.	
0605.66	• practice/perform medication administration.	
0605.67	• demonstrate knowledge of pharmacological pain management.	
0605.68	• reduce the potential for clients/patients to develop complications related to treatments, procedures or existing conditions.	
0605.69	• assess vital signs and note changes/abnormalities.	
0605.70	• perform diagnostic testing.	
0605.71	• reinforce client/patient teaching about diagnostic testing.	
0605.72	• identify laboratory values for ABG's, BUN, cholesterol (total), glucose, hematocrit, hemoglobin, glycosylated hemoglobin (HgbA1c), platelets, potassium, sodium, WBC, creatinine, PT, PTT & APTT.	
0605.73	• compare client laboratory values to normal laboratory values.	
0605.74	• perform venipuncture for blood draw.	
0605.75	• collect specimen (urine, stool, gastric contents or sputum for diagnostic testing).	
0605.76	• monitor diagnostic or laboratory test results.	
0605.77	• notify primary health care provider about client laboratory test results.	
0605.78	• monitor patient/client for alterations in body systems.	
0605.79	• monitor patient/client for complications of diagnostic tests, treatments and procedures.	
0605.80	• assess and monitor patient/client for complications from surgical procedures and health alterations.	
0605.81	• insert a urinary catheter.	
0605.82	• insert nasogastric tube.	
0605.83	• assist with the performance of a diagnostic or invasive procedure.	
0605.84	• reinforce client/patient teaching on treatments and procedures.	
0605.85	• participate in providing care for clients with acute, chronic or life threatening physical health conditions.	
<b>Skill Set</b>	<b>Pharmacology Therapies</b>	
<i>Knowledge Objectives</i>	<i>Students will demonstrate knowledge of</i>	
0605.86	• care related to administration of medications. • monitoring of clients/patients who are receiving medications.	
<i>Performance Objectives</i>	<i>Students will</i>	<i>Skill Set Met</i>
0605.87	• perform calculations needed for medication administration.	
0605.88	• reinforce education to client regarding medications.	
0605.89	• evaluate client response to medication.	
0605.90	• follow the rights of medication administration.	
0605.91	• maintain medication safety practices (storage, checking for expiration dates or compatibility).	
0605.92	• reconcile and maintain medication list or medication administration record.	
0605.93	• administer medication by oral route.	
0605.94	• administer medication by gastrointestinal tube (i.e.g-tube, nasogastric (NG) tube, g-button or j-tube).	
0605.95	• administer intravenous piggyback (secondary) medications.	

0605.96	• administer a subcutaneous (SQ) intradermal or intramuscular (IM) medication.	
0605.97	• administer medication by ear, eye, nose, rectum, vagina or skin route.	
0605.98	• count narcotics/controlled substances.	
0605.99	• regulate client intravenous (IV) rate.	
0605.100	• monitor transfusion of blood product.	
0605.101	• monitor and maintain client intravenous (IV) site and flow rate.	



**\*Any Practical Nursing Module 1 through 6 can be integrated throughout this course.**

## Practical Nursing VI

WVEIS 0606

WV State Board of Examiners for Licensed Practical Nursing

<http://www.lpnboard.state.wv.us>

Office of Health Facility Licensure and Certification

<http://www.wvdhhr.org/ohflac/NA/Education.aspx>

National Consortium for Health Science Education Health Care Standards

[http://www.healthscienceconsortium.org/docs/therapeutic\\_svcs\\_pathway.pdf](http://www.healthscienceconsortium.org/docs/therapeutic_svcs_pathway.pdf)

**Course Description** This course is a continuation of the nursing care of medical/surgical clients utilizing a body systems approach for specific systems. Integrated into the course will be the continued utilization of the nursing process and critical thinking skills to clients, of all ages, in all settings where nursing takes place. Included in this course is the culminating laboratory practicum experience associated with IV therapy and venipuncture education. Nutrition and pharmacology are integrated with related theory. Leadership training skills focus on geriatric assessment and medication administration. Emphasis is placed on interventions for individual health care problems utilizing the nursing process and critical thinking skills. Nutrition and pharmacology are integrated with related theory. Clinical experience provides administration of medications to adult clients. Clinical experiences must be integrated into the class to meet the West Virginia Board of Practical Nursing educational laws and requirements.

### **Skill Sets**

Safe and Effective Care and Environment

Health Promotion and Maintenance

Psychosocial Integrity

Physiological Integrity

Pharmacological Therapies

### **Objectives**

Utilize the nursing process to gather data regarding patient's medical status.

Analyze data related to patient's medical status.

Utilize the nursing process to contribute to the patient's plan of care.

Utilize the nursing process when making decisions related to patient care.

Utilize the nursing process to safely demonstrate nursing skills needed to promote patient wellness.

Utilize the nursing process to evaluate patient's responses to nursing actions.

Discuss documentation guidelines.

Perform aspects of the patient's complete physical examination.

Use correct aseptic or sterile techniques.

Identify safety issues related to patient care.

Provide wound care in a variety of patient situations.

Implement nursing actions to prevent complications of immobility.

Provide nursing care for the patient before, during and after a therapeutic procedure and/or surgery.

Identify nursing care needed for the specific/assigned clients/patients.

Explain nursing care needed for the specific/assigned clients/patients.

Discuss nursing care for the patient in pain.

Demonstrate techniques for obtaining specimens needed for diagnostic testing.

Provide care related to the administration of medications and monitors clients/patients who are receiving medications.

Skill Set	Safe and Effective Care Environment	
<i>Knowledge Objectives</i>	<i>Students will demonstrate knowledge of</i>	
0606.1	<ul style="list-style-type: none"> <li>• coordinated care.</li> <li>• safety and infection control.</li> </ul>	
<i>Performance Objectives</i>	<i>Students will</i>	<i>Skill Set Met</i>
0606.2	<ul style="list-style-type: none"> <li>• collaborate with health care team members to facilitate effective client care.</li> </ul>	
0606.3	<ul style="list-style-type: none"> <li>• discuss Advance Directives.</li> </ul>	
0606.4	<ul style="list-style-type: none"> <li>• exhibit patient advocacy.</li> </ul>	
0606.5	<ul style="list-style-type: none"> <li>• take part in client care assignments.</li> </ul>	
0606.6	<ul style="list-style-type: none"> <li>• demonstrate an understanding of client rights.</li> </ul>	
0606.7	<ul style="list-style-type: none"> <li>• collaborate with interdisciplinary teams.</li> </ul>	
0606.8	<ul style="list-style-type: none"> <li>• discuss concepts of management and supervision.</li> </ul>	
0606.9	<ul style="list-style-type: none"> <li>• demonstrate confidentiality/information security.</li> </ul>	
0606.10	<ul style="list-style-type: none"> <li>• facilitate continuity of care.</li> </ul>	
0606.11	<ul style="list-style-type: none"> <li>• establish priorities.</li> </ul>	
0606.12	<ul style="list-style-type: none"> <li>• demonstrate ethics in nursing practice.</li> </ul>	
0606.13	<ul style="list-style-type: none"> <li>• know and fulfill requirements regarding informed consent.</li> </ul>	
0606.14	<ul style="list-style-type: none"> <li>• identify and adhere to legal responsibilities.</li> </ul>	
0606.15	<ul style="list-style-type: none"> <li>• recognize the need for performance improvement (quality improvement)</li> </ul>	
0606.16	<ul style="list-style-type: none"> <li>• demonstrate how to implement the referral process.</li> </ul>	
0606.17	<ul style="list-style-type: none"> <li>• follows resource management policies and procedures.</li> </ul>	
0606.18	<ul style="list-style-type: none"> <li>• facilitate accident/error/injury prevention.</li> </ul>	
0606.19	<ul style="list-style-type: none"> <li>• facilitate emergency response plan</li> </ul>	
0606.20	<ul style="list-style-type: none"> <li>• apply ergonomic principles.</li> </ul>	
0606.21	<ul style="list-style-type: none"> <li>• demonstrate handling hazardous and infection materials.</li> </ul>	
0606.22	<ul style="list-style-type: none"> <li>• adhere to facility safety policies.</li> </ul>	
0606.23	<ul style="list-style-type: none"> <li>• report incidents/event/irregular occurrences/variances in client/patient care.</li> </ul>	
0606.24	<ul style="list-style-type: none"> <li>• explain the use of restraints and safety devices.</li> </ul>	
0606.25	<ul style="list-style-type: none"> <li>• use equipment safely.</li> </ul>	
0606.26	<ul style="list-style-type: none"> <li>• describe facility security plan.</li> </ul>	
0606.27	<ul style="list-style-type: none"> <li>• demonstrate Standard Precautions/transmission-based precautions/surgical asepsis.</li> </ul>	
Skill Set	Health Promotion and Maintenance	
<i>Knowledge Objectives</i>	<i>Students will demonstrate knowledge of</i>	
0606.28	<ul style="list-style-type: none"> <li>• growth and development.</li> <li>• prevention/early detection of health problems.</li> </ul>	
<i>Performance Objectives</i>	<i>Students will</i>	<i>Skill Set Met</i>
0606.29	<ul style="list-style-type: none"> <li>• demonstrate knowledge of the aging process.</li> </ul>	
0606.30	<ul style="list-style-type: none"> <li>• identify data collection techniques.</li> </ul>	
0606.31	<ul style="list-style-type: none"> <li>• demonstrate knowledge of developmental stages and transition.</li> </ul>	
0606.32	<ul style="list-style-type: none"> <li>• demonstrate knowledge of health promotion/disease prevention.</li> </ul>	
0606.33	<ul style="list-style-type: none"> <li>• recognize high risk behaviors.</li> </ul>	

0606.34	• compare life style choices.	
0606.35	• stress importance of self-care.	
<b>Skill Set</b>	<b>Psychosocial Integrity</b>	
<i>Knowledge Objectives</i>	<i>Students will demonstrate knowledge of</i>	
0606.36	• providing care that assists with promotion and support of the emotional, mental and social well-being of clients.	
<i>Performance Objectives</i>	<i>Students will</i>	<i>Skill Set Met</i>
0606.37	• recognize signs and symptom of abuse/neglect.	
0606.38	• demonstrate how to report/document abuse/neglect.	
0606.39	• identify behavioral management techniques.	
0606.40	• describe chemical and other dependencies.	
0606.41	• identify different types of coping mechanisms.	
0606.42	• identify different types of crisis intervention techniques.	
0606.43	• demonstrate respect for different types of cultures	
0606.44	• demonstrate understanding of end of life concepts.	
0606.45	• identify stages of grief.	
0606.46	• recognize different mental health concepts.	
0606.47	• describe religious and spiritual beliefs on health.	
0606.48	• describe types of sensory /perceptual alterations.	
0606.49	• discuss stress and management of stressors in patient/clients' care.	
0606.50	• recognize the variety of support systems.	
0606.51	• demonstrate therapeutic communication.	
<b>Skill Set</b>	<b>Physiological Integrity</b>	
<i>Knowledge Objectives</i>	<i>Students will demonstrate knowledge of</i>	
0606.52	• basic care and comfort.	
	• pharmacological therapies.	
	• reduction of risk potential.	
	• physiological adaptations.	
<i>Performance Objectives</i>	<i>Students will</i>	<i>Skill Set Met</i>
0606.53	• demonstrate use of assistive devices.	
0606.54	• discuss the process of elimination.	
0606.55	• differentiate mobility versus immobility.	
0606.56	• demonstrate knowledge of non-pharmacological comfort interventions.	
0606.57	• understand the importance of nutrition and oral hydration.	
0606.58	• identify the importance of and demonstrate providing personal hygiene.	
0606.59	• discuss the need for rest and sleep.	
0606.60	• provide care related to the administration of medications.	
0606.61	• monitor clients who are receiving parenteral therapies.	
0606.62	• demonstrate knowledge of adverse effects/contraindications/side effects/interactions of medications.	
0606.63	• perform correctly dosage calculations.	
0606.64	• know/monitor the client/patient for expected actions/outcomes of medication.	
0606.65	• practice/perform medication administration.	
0606.66	• demonstrate knowledge of pharmacological pain management.	

0606.67	<ul style="list-style-type: none"> <li>reduce the potential for clients/patients to develop complications related to treatments, procedures or existing conditions.</li> </ul>	
0606.68	<ul style="list-style-type: none"> <li>assess vital signs and note changes/abnormalities.</li> </ul>	
0606.69	<ul style="list-style-type: none"> <li>perform diagnostic testing.</li> </ul>	
0606.70	<ul style="list-style-type: none"> <li>reinforce client/patient teaching about diagnostic testing.</li> </ul>	
0606.71	<ul style="list-style-type: none"> <li>identify laboratory values for ABG's, BUN, cholesterol (total), glucose, hematocrit, hemoglobin, glycosylated hemoglobin (HgbA1c), platelets, potassium, sodium, WBC, creatinine, PT, PTT &amp; APTT.</li> </ul>	
0606.72	<ul style="list-style-type: none"> <li>compare client laboratory values to normal laboratory values.</li> </ul>	
0606.73	<ul style="list-style-type: none"> <li>perform venipuncture for blood draw.</li> </ul>	
0606.74	<ul style="list-style-type: none"> <li>collect specimen (urine, stool, gastric contents or sputum for diagnostic testing).</li> </ul>	
0606.75	<ul style="list-style-type: none"> <li>monitor diagnostic or laboratory test results.</li> </ul>	
0606.76	<ul style="list-style-type: none"> <li>notify primary health care provider about client laboratory test results.</li> </ul>	
0606.77	<ul style="list-style-type: none"> <li>monitor patient/client for alterations in body systems.</li> </ul>	
0606.78	<ul style="list-style-type: none"> <li>monitor patient/client for complications of diagnostic tests, treatments and procedures.</li> </ul>	
0606.79	<ul style="list-style-type: none"> <li>assess and monitor patient/client for complications from surgical procedures and health alterations.</li> </ul>	
0606.80	<ul style="list-style-type: none"> <li>insert a urinary catheter.</li> </ul>	
0606.81	<ul style="list-style-type: none"> <li>insert nasogastric tube.</li> </ul>	
0606.82	<ul style="list-style-type: none"> <li>assist with the performance of a diagnostic or invasive procedure.</li> </ul>	
0606.83	<ul style="list-style-type: none"> <li>reinforce client/patient teaching on treatments and procedures.</li> </ul>	
0606.84	<ul style="list-style-type: none"> <li>participate in providing care for clients with acute, chronic or life threatening physical health conditions.</li> </ul>	
<b>Skill Set</b>	<b>Pharmacology Therapies</b>	
<i>Knowledge Objectives</i>	<i>Students will demonstrate knowledge of</i>	
0606.85	<ul style="list-style-type: none"> <li>care related to administration of medications.</li> <li>monitoring of clients/patients who are receiving medications.</li> </ul>	
<i>Performance Objectives</i>	<i>Students will</i>	<i>Skill Set Met</i>
0606.86	<ul style="list-style-type: none"> <li>perform calculations needed for medication administration.</li> </ul>	
0606.87	<ul style="list-style-type: none"> <li>reinforce education to client regarding medications.</li> </ul>	
0606.88	<ul style="list-style-type: none"> <li>evaluate client response to medication.</li> </ul>	
0606.89	<ul style="list-style-type: none"> <li>follow the rights of medication administration.</li> </ul>	
0606.90	<ul style="list-style-type: none"> <li>maintain medication safety practices (storage, checking for expiration dates or compatibility).</li> </ul>	
0606.91	<ul style="list-style-type: none"> <li>reconcile and maintain medication list or medication administration record.</li> </ul>	
0606.92	<ul style="list-style-type: none"> <li>administer medication by oral route.</li> </ul>	
0606.93	<ul style="list-style-type: none"> <li>administer medication by gastrointestinal tube (i.e.g-tube, nasogastric (NG) tube, g-button or j-tube).</li> </ul>	
0606.94	<ul style="list-style-type: none"> <li>administer intravenous piggyback (secondary) medications.</li> </ul>	
0606.95	<ul style="list-style-type: none"> <li>administer a subcutaneous (SQ) intradermal or intramuscular (IM) medication.</li> </ul>	
0606.96	<ul style="list-style-type: none"> <li>administer medication by ear, eye, nose, rectum, vagina or skin route.</li> </ul>	
0606.97	<ul style="list-style-type: none"> <li>count narcotics/controlled substances.</li> </ul>	
0606.98	<ul style="list-style-type: none"> <li>regulate client intravenous (IV) rate.</li> </ul>	

0606.99	• monitor transfusion of blood product.
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0606.100	• monitor and maintain client intravenous (IV) site and flow rate.
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**\*Any Practical Nursing Module 1 through 6 can be integrated throughout this course.**

## Practical Nursing VII

WVEIS 0607

### WV State Board of Examiners for Licensed Practical Nursing

<http://www.lpnboard.state.wv.us>

### Office of Health Facility Licensure and Certification

<http://www.wvdhhr.org/ohflac/NA/Education.aspx>

### National Consortium for Health Science Education Health Care Standards

[http://www.healthscienceconsortium.org/docs/therapeutic\\_svcs\\_pathway.pdf](http://www.healthscienceconsortium.org/docs/therapeutic_svcs_pathway.pdf)

**Course Description:** This course includes Maternal and Infant Care/ Pediatrics and Mental Health requirements. The Maternal and Infant Care/ Pediatrics contains theory and clinical experience, concurrent and/or sequential in the care of the mother before, during and after labor. Principles of newborn care are also included in the course. It will acquaint the student with the needs of the well and ill child. Normal growth and development from birth through adolescence is studied, as well as the nursing care of the developing individual in health and disease. Communication skills are emphasized to provide acceptable relationships with children, adolescents and family. Nutrition and pharmacology are integrated with related theory.

The Mental Health portion of the course builds on the student's basic understanding of the foundational principles of psychology and their direct application to the care of individuals experiencing mental health deviations. Throughout this course the student will explore the role of the practical nurse as an integral member of the multidisciplinary team. Course content focuses on the application of previously mastered physical care skill sets and critical thought concepts in conjunction with the active employment of techniques in therapeutic communication. The student will continue to expand their knowledge of the ethical, legal, sociocultural and developmental needs which impact the response of all humans to actual or potential threats to their well-being. Clinical experiences may include various levels of mental health care provision including inpatient and outpatient settings. Theory and clinical experiences must be integrated into the class to meet the West Virginia Board of Practical Nursing educational laws and requirements.

### Skill Sets

Safe and Effective Care and Environment

Health Promotion and Maintenance

Psychosocial Integrity

Physiological Integrity

Pharmacological Therapies

### Objectives

Utilize the nursing process to gather data regarding patient's medical status.

Analyze data related to patient's medical status.

Utilize the nursing process to contribute to the patient's plan of care.

Utilize the nursing process when making decisions related to patient care.

Utilize the nursing process to safely demonstrate nursing skills needed to promote patient wellness.

Utilize the nursing process to evaluate patient's responses to nursing actions.

Discuss documentation guidelines.

Perform aspects of the patient's complete physical examination.

Use correct aseptic or sterile techniques.

Identify safety issues related to patient care.

Provide wound care in a variety of patient situations.

Implement nursing actions to prevent complications of immobility.  
 Provide nursing care for the patient before, during and after a therapeutic procedure and/or surgery.  
 Identify nursing care needed for the specific/assigned clients/patients.  
 Explain nursing care needed for the specific/assigned clients/patients.  
 Discuss nursing care for the patient in pain.  
 Demonstrate techniques for obtaining specimens needed for diagnostic testing.  
 Provide care related to the administration of medications and monitors clients/patients who are receiving medications.

Skill Set	Safe and Effective Care Environment	
<i>Knowledge Objectives</i>	<i>Students will demonstrate knowledge of</i>	
0607.1	<ul style="list-style-type: none"> <li>• coordinated care.</li> <li>• safety and infection control.</li> </ul>	
<i>Performance Objectives</i>	<i>Students will</i>	<i>Skill Set Met</i>
0607.2	<ul style="list-style-type: none"> <li>• collaborate with health care team members to facilitate effective client care.</li> </ul>	
0607.3	<ul style="list-style-type: none"> <li>• discuss Advance Directives.</li> </ul>	
0607.4	<ul style="list-style-type: none"> <li>• explain and exhibit patient advocacy.</li> </ul>	
0607.5	<ul style="list-style-type: none"> <li>• take part in client care assignments.</li> </ul>	
0607.6	<ul style="list-style-type: none"> <li>• demonstrate an understanding of client rights.</li> </ul>	
0607.7	<ul style="list-style-type: none"> <li>• collaborate with interdisciplinary teams.</li> </ul>	
0607.8	<ul style="list-style-type: none"> <li>• describe the concepts of management and supervision.</li> </ul>	
0607.9	<ul style="list-style-type: none"> <li>• demonstrate confidentiality/information security.</li> </ul>	
0607.10	<ul style="list-style-type: none"> <li>• facilitate continuity of care.</li> </ul>	
0607.11	<ul style="list-style-type: none"> <li>• establish priorities.</li> </ul>	
0607.12	<ul style="list-style-type: none"> <li>• demonstrate ethics in nursing practice.</li> </ul>	
0607.13	<ul style="list-style-type: none"> <li>• identify and fulfill requirements regarding informed consent.</li> </ul>	
0607.14	<ul style="list-style-type: none"> <li>• discuss legal responsibilities.</li> </ul>	
0607.15	<ul style="list-style-type: none"> <li>• recognize the need for performance improvement (quality improvement).</li> </ul>	
0607.16	<ul style="list-style-type: none"> <li>• describe how to implement the referral process.</li> </ul>	
0607.17	<ul style="list-style-type: none"> <li>• follow resource management policies and procedures.</li> </ul>	
0607.18	<ul style="list-style-type: none"> <li>• facilitate accident/error/injury prevention.</li> </ul>	
0607.19	<ul style="list-style-type: none"> <li>• facilitate emergency response plan.</li> </ul>	
0607.20	<ul style="list-style-type: none"> <li>• apply ergonomic principles.</li> </ul>	
0607.21	<ul style="list-style-type: none"> <li>• demonstrate handling hazardous and infection materials.</li> </ul>	
0607.22	<ul style="list-style-type: none"> <li>• adhere to facility safety policies.</li> </ul>	
0607.23	<ul style="list-style-type: none"> <li>• report incidents/event/irregular occurrences/variances in client/patient care.</li> </ul>	
0607.24	<ul style="list-style-type: none"> <li>• explain the use of restraints and safety devices.</li> </ul>	
0607.25	<ul style="list-style-type: none"> <li>• use equipment safely.</li> </ul>	
0607.26	<ul style="list-style-type: none"> <li>• describe a facility security plan.</li> </ul>	
0607.27	<ul style="list-style-type: none"> <li>• understand and demonstrate Standard Precautions/transmission-based precautions/surgical asepsis.</li> </ul>	

Skill Set	Health Promotion and Maintenance	
<i>Knowledge Objectives</i>	<i>Students will demonstrate knowledge of</i>	
0607.28	<ul style="list-style-type: none"> <li>• growth and development</li> <li>• prevention/early detection of health problems.</li> </ul>	
<i>Performance Objectives</i>	<i>Students will</i>	<i>Skill Set Met</i>
0607.29	• demonstrate knowledge of the aging process.	
0607.30	• identify data collection techniques.	
0607.31	• demonstrate knowledge of developmental stages and transition.	
0607.32	• demonstrate knowledge of health promotion/disease prevention.	
0607.33	• recognize high risk behaviors.	
0607.34	• compare life style choices.	
0607.35	• stress importance of self-care.	
Skill Set	Psychosocial Integrity	
<i>Knowledge Objectives</i>	<i>Students will demonstrate knowledge of</i>	
0607.36	• providing care that assists with promotion and support of the emotional, mental and social well-being of clients.	
<i>Performance Objectives</i>	<i>Students will</i>	<i>Skill Set Met</i>
0607.37	• recognize signs and symptom of abuse/neglect.	
0607.38	• demonstrate how to report/document abuse/neglect.	
0607.39	• identify behavioral management techniques.	
0607.40	• describe chemical and other dependencies.	
0607.41	• identify different types of coping mechanisms.	
0607.42	• identify different types of crisis intervention techniques.	
0607.43	• demonstrate respect for different types of cultures	
0607.44	• demonstrate understanding of end of life concepts.	
0607.45	• identify stages of grief.	
0607.46	• recognize different mental health concepts.	
0607.47	• describe religious and spiritual beliefs on health.	
0607.48	• describe types of sensory /perceptual alterations.	
0607.49	• discuss stress and management of stressors in patient/clients' care.	
0607.50	• recognize the variety of support systems.	
0607.51	• demonstrate therapeutic communication.	
Skill Set	Physiological Integrity	
<i>Knowledge Objectives</i>	<i>Students will demonstrate knowledge of</i>	
0607.52	• basic care and comfort.	
0607.52	• pharmacological therapies.	
0607.52	• reduction of risk potential.	
0607.52	• physiological adaptations.	
<i>Performance Objectives</i>	<i>Students will</i>	<i>Skill Set Met</i>
0607.53	• demonstrate use of assistive devices.	
0607.54	• discuss the process of elimination.	
0607.55	• differentiate mobility versus immobility.	



0607.56	<ul style="list-style-type: none"> <li>• demonstrate knowledge of non-pharmacological comfort interventions.</li> </ul>	
0607.57	<ul style="list-style-type: none"> <li>• understand the importance of nutrition and oral hydration.</li> </ul>	
0607.58	<ul style="list-style-type: none"> <li>• identify the importance of and demonstrate providing personal hygiene.</li> </ul>	
0607.59	<ul style="list-style-type: none"> <li>• discuss the need for rest and sleep.</li> </ul>	
0607.60	<ul style="list-style-type: none"> <li>• provide care related to the administration of medications.</li> </ul>	
0607.61	<ul style="list-style-type: none"> <li>• monitor clients who are receiving parenteral therapies.</li> </ul>	
0607.62	<ul style="list-style-type: none"> <li>• demonstrate knowledge of adverse effects/contraindications/side effects/interactions of medications.</li> </ul>	
0607.63	<ul style="list-style-type: none"> <li>• perform correctly dosage calculations.</li> </ul>	
0607.64	<ul style="list-style-type: none"> <li>• know/monitor the client/patient for expected actions/outcomes of medication.</li> </ul>	
0607.65	<ul style="list-style-type: none"> <li>• practice/perform medication administration.</li> </ul>	
0607.66	<ul style="list-style-type: none"> <li>• demonstrate knowledge of pharmacological pain management.</li> </ul>	
0607.67	<ul style="list-style-type: none"> <li>• reduce the potential for clients/patients to develop complications related to treatments, procedures or existing conditions.</li> </ul>	
0607.68	<ul style="list-style-type: none"> <li>• assess vital signs and note changes/abnormalities.</li> </ul>	
0607.69	<ul style="list-style-type: none"> <li>• perform diagnostic testing.</li> </ul>	
0607.70	<ul style="list-style-type: none"> <li>• reinforce client/patient teaching about diagnostic testing.</li> </ul>	
0607.71	<ul style="list-style-type: none"> <li>• identify laboratory values for ABG's, BUN, cholesterol (total), glucose, hematocrit, hemoglobin, glycosylated hemoglobin (HgbA1c), platelets, potassium, sodium, WBC, creatinine, PT, PTT &amp; APTT.</li> </ul>	
0607.72	<ul style="list-style-type: none"> <li>• compare client laboratory values to normal laboratory values.</li> </ul>	
0607.73	<ul style="list-style-type: none"> <li>• perform venipuncture for blood draw.</li> </ul>	
0607.74	<ul style="list-style-type: none"> <li>• collect specimen (urine, stool, gastric contents or sputum for diagnostic testing).</li> </ul>	
0607.75	<ul style="list-style-type: none"> <li>• monitor diagnostic or laboratory test results.</li> </ul>	
0607.76	<ul style="list-style-type: none"> <li>• notify primary health care provider about client laboratory test results.</li> </ul>	
0607.77	<ul style="list-style-type: none"> <li>• monitor patient/client for alterations in body systems.</li> </ul>	
0607.78	<ul style="list-style-type: none"> <li>• monitor patient/client for complications of diagnostic tests, treatments and procedures.</li> </ul>	
0607.79	<ul style="list-style-type: none"> <li>• assess and monitor patient/client for complications from surgical procedures and health alterations.</li> </ul>	
0607.80	<ul style="list-style-type: none"> <li>• insert a urinary catheter.</li> </ul>	
0607.81	<ul style="list-style-type: none"> <li>• insert nasogastric tube.</li> </ul>	
0607.82	<ul style="list-style-type: none"> <li>• assist with the performance of a diagnostic or invasive procedure.</li> </ul>	
0607.83	<ul style="list-style-type: none"> <li>• reinforce client/patient teaching on treatments and procedures.</li> </ul>	
0607.84	<ul style="list-style-type: none"> <li>• participate in providing care for clients with acute, chronic or life threatening physical health conditions.</li> </ul>	
<b>Skill Set</b>	<b>Pharmacology Therapies</b>	
<i>Knowledge Objectives</i>	<i>Students will demonstrate knowledge of</i>	
0607.85	<ul style="list-style-type: none"> <li>• care related to administration of medications.</li> <li>• monitoring of clients/patients who are receiving medications.</li> </ul>	
<i>Performance Objectives</i>	<i>Students will</i>	<i>Skill Set Met</i>
0607.86	<ul style="list-style-type: none"> <li>• perform calculations needed for medication administration.</li> </ul>	
0607.87	<ul style="list-style-type: none"> <li>• reinforce education to client regarding medications.</li> </ul>	
0607.88	<ul style="list-style-type: none"> <li>• evaluate client response to medication.</li> </ul>	
0607.89	<ul style="list-style-type: none"> <li>• follow the rights of medication administration.</li> </ul>	

0607.90	<ul style="list-style-type: none"> <li>maintain medication safety practices (storage, checking for expiration dates or compatibility).</li> </ul>	
0607.91	<ul style="list-style-type: none"> <li>reconcile and maintain medication list or medication administration record.</li> </ul>	
0607.92	<ul style="list-style-type: none"> <li>administer medication by oral route.</li> </ul>	
0607.93	<ul style="list-style-type: none"> <li>administer medication by gastrointestinal tube (i.e.g-tube, nasogastric (NG) tube, g-button or j-tube).</li> </ul>	
0607.94	<ul style="list-style-type: none"> <li>administer intravenous piggyback (secondary) medications.</li> </ul>	
0607.95	<ul style="list-style-type: none"> <li>administer a subcutaneous (SQ) intradermal or intramuscular (IM) medication.</li> </ul>	
0607.96	<ul style="list-style-type: none"> <li>administer medication by ear, eye, nose, rectum, vagina or skin route.</li> </ul>	
0607.97	<ul style="list-style-type: none"> <li>count narcotics/controlled substances.</li> </ul>	
0607.98	<ul style="list-style-type: none"> <li>regulate client intravenous (IV) rate.</li> </ul>	
0607.99	<ul style="list-style-type: none"> <li>monitor transfusion of blood product.</li> </ul>	
0607.100	<ul style="list-style-type: none"> <li>monitor and maintain client intravenous (IV) site and flow rate.</li> </ul>	

**\*Any Practical Nursing Module 1 through 6 can be integrated throughout this course.**

## Practical Nursing VIII

WVEIS 0608

### WV State Board of Examiners for Licensed Practical Nursing

<http://www.lpnboard.state.wv.us>

### National Consortium for Health Science Education Health Care Standards

[http://www.healthscienceconsortium.org/docs/therapeutic\\_svcs\\_pathway.pdf](http://www.healthscienceconsortium.org/docs/therapeutic_svcs_pathway.pdf)

**Course Description** This course is the clinical component of specialization in nursing care. Specialization includes obstetrics, pediatrics, new born infant and mental health care clients utilizing a body systems approach for specific systems. Integrated into the course will be the continued utilization of the nursing process and critical thinking skills to clients, of all ages, in all settings where nursing takes place. Included in this course is the culminating laboratory practicum that relates to each specialization. IV therapy and specimen collection may be integrated. Nutrition and pharmacology are integrated with related theory. Leadership training skills focus on pre-term, post-partum, mental health, growth and development assessment and medication administration. Emphasis is placed on interventions for individual health care problems utilizing the nursing process and critical thinking skills. Clinical experience includes administration of medications with nursing instructor guidance. This clinical experiences must be integrated into the class to meet the West Virginia Board of Practical Nursing educational laws and requirements.

### Skill Sets

Safe and Effective Care and Environment

Health Promotion and Maintenance

Psychosocial Integrity

Physiological Integrity

Pharmacological Therapies

### Objectives

Utilize the nursing process to gather data regarding patient's medical status.

Analyze data related to patient's medical status.

Utilize the nursing process to contribute to the patient's plan of care.

Utilize the nursing process when making decisions related to patient care.

Utilize the nursing process to safely demonstrate nursing skills needed to promote patient wellness.

Utilize the nursing process to evaluate patient's responses to nursing actions.

Discuss documentation guidelines.

Perform aspects of the patient's complete physical examination.

Use correct aseptic or sterile techniques.

Identify safety issues related to patient care.

Provide wound care in a variety of patient situations.

Implement nursing actions to prevent complications.

Identify nursing care needed for the specific/assigned clients/patients.

Explain nursing care needed for the specific/assigned clients/patients.

Discuss nursing care for the client in pain.

Demonstrate techniques for obtaining specimens needed for diagnostic testing.

Provide care related to the administration of medications and monitors clients/patients who are receiving medications.

Skill Set	Safe and Effective Care Environment	
<i>Knowledge Objectives</i>	<i>Students will demonstrate knowledge of</i>	
0608.1	<ul style="list-style-type: none"> <li>• coordinated care.</li> <li>• safety and infection control.</li> </ul>	
<i>Performance Objectives</i>	<i>Students will</i>	<i>Skill Set Met</i>
0608.2	<ul style="list-style-type: none"> <li>• collaborate with health care team members to facilitate effective client care.</li> </ul>	
0608.3	<ul style="list-style-type: none"> <li>• discuss Advance Directives.</li> </ul>	
0608.4	<ul style="list-style-type: none"> <li>• explain and exhibit patient advocacy.</li> </ul>	
0608.5	<ul style="list-style-type: none"> <li>• take part in client care assignments.</li> </ul>	
0608.6	<ul style="list-style-type: none"> <li>• demonstrate an understanding of client rights.</li> </ul>	
0608.7	<ul style="list-style-type: none"> <li>• collaborate with interdisciplinary teams.</li> </ul>	
0608.8	<ul style="list-style-type: none"> <li>• describe the concepts of management and supervision.</li> </ul>	
0608.9	<ul style="list-style-type: none"> <li>• demonstrate confidentiality/information security.</li> </ul>	
0608.10	<ul style="list-style-type: none"> <li>• facilitate continuity of care.</li> </ul>	
0608.11	<ul style="list-style-type: none"> <li>• establish priorities.</li> </ul>	
0608.12	<ul style="list-style-type: none"> <li>• demonstrate ethics in nursing practice.</li> </ul>	
0608.13	<ul style="list-style-type: none"> <li>• identify and fulfill requirements regarding informed consent.</li> </ul>	
0608.14	<ul style="list-style-type: none"> <li>• discuss legal responsibilities.</li> </ul>	
0608.15	<ul style="list-style-type: none"> <li>• recognize the need for performance improvement (quality improvement).</li> </ul>	
0608.16	<ul style="list-style-type: none"> <li>• describe how to implement the referral process.</li> </ul>	
0608.17	<ul style="list-style-type: none"> <li>• follow resource management policies and procedures.</li> </ul>	
0608.18	<ul style="list-style-type: none"> <li>• facilitate accident/error/injury prevention.</li> </ul>	
0608.19	<ul style="list-style-type: none"> <li>• facilitate emergency response plan.</li> </ul>	
0608.20	<ul style="list-style-type: none"> <li>• apply ergonomic principles.</li> </ul>	
0608.21	<ul style="list-style-type: none"> <li>• demonstrate handling hazardous and infection materials.</li> </ul>	
0608.22	<ul style="list-style-type: none"> <li>• adhere to facility safety policies.</li> </ul>	
0608.23	<ul style="list-style-type: none"> <li>• report incidents/event/irregular occurrences/variances in client/patient care.</li> </ul>	
0608.24	<ul style="list-style-type: none"> <li>• explain the use of restraints and safety devices.</li> </ul>	
0608.25	<ul style="list-style-type: none"> <li>• use equipment safely.</li> </ul>	
0608.26	<ul style="list-style-type: none"> <li>• describe a facility security plan.</li> </ul>	
0608.27	<ul style="list-style-type: none"> <li>• understand and demonstrate Standard Precautions/transmission-based precautions/surgical asepsis.</li> </ul>	
Skill Set	Health Promotion and Maintenance	
<i>Knowledge Objectives</i>	<i>Students will demonstrate knowledge of</i>	
0608.28	<ul style="list-style-type: none"> <li>• growth and development</li> <li>• prevention/early detection of health problems.</li> </ul>	
<i>Performance Objectives</i>	<i>Students will</i>	<i>Skill Set Met</i>
0608.29	<ul style="list-style-type: none"> <li>• demonstrate knowledge of the aging process.</li> </ul>	
0608.30	<ul style="list-style-type: none"> <li>• identify data collection techniques.</li> </ul>	

0608.31	• demonstrate knowledge of developmental stages and transition.	
0608.32	• demonstrate knowledge of health promotion/disease prevention.	
0608.33	• recognize high risk behaviors.	
0608.34	• compare life style choices.	
0608.35	• stress importance of self-care.	
<b>Skill Set</b>	<b>Psychosocial Integrity</b>	
<i>Knowledge Objectives</i>	<i>Students will demonstrate knowledge of</i>	
0608.36	• providing care that assists with promotion and support of the emotional, mental and social well-being of clients.	
<i>Performance Objectives</i>	<i>Students will</i>	<i>Skill Set Met</i>
0608.37	• recognize signs and symptom of abuse/neglect.	
0608.38	• demonstrate how to report/document abuse/neglect.	
0608.39	• identify behavioral management techniques.	
0608.40	• describe chemical and other dependencies.	
0608.41	• identify different types of coping mechanisms.	
0608.42	• identify different types of crisis intervention techniques.	
0608.43	• demonstrate respect for different types of cultures	
0608.44	• demonstrate understanding of end of life concepts.	
0608.45	• identify stages of grief.	
0608.46	• recognize different mental health concepts.	
0608.47	• describe religious and spiritual beliefs on health.	
0608.48	• describe types of sensory /perceptual alterations.	
0608.49	• discuss stress and management of stressors in patient/clients' care.	
0608.50	• recognize the variety of support systems.	
0608.51	• demonstrate therapeutic communication.	
<b>Skill Set</b>	<b>Physiological Integrity</b>	
<i>Knowledge Objectives</i>	<i>Students will demonstrate knowledge of</i>	
0608.52	• basic care and comfort.	
	• pharmacological therapies.	
	• reduction of risk potential.	
	• physiological adaptations.	
<i>Performance Objectives</i>	<i>Students will</i>	<i>Skill Set Met</i>
0608.53	• demonstrate use of assistive devices.	
0608.54	• discuss the process of elimination.	
0608.55	• differentiate mobility versus immobility.	
0608.56	• demonstrate knowledge of non-pharmacological comfort interventions.	
0608.57	• understand the importance of nutrition and oral hydration.	
0608.58	• identify the importance of and demonstrate providing personal hygiene.	
0608.59	• discuss the need for rest and sleep.	
0608.60	• provide care related to the administration of medications.	
0608.61	• monitor clients who are receiving parenteral therapies.	
0608.62	• demonstrate knowledge of adverse effects/contraindications/side effects/interactions of medications.	
0608.63	• perform correctly dosage calculations.	

0608.64	<ul style="list-style-type: none"> <li>know/monitor the client/patient for expected actions/outcomes of medication.</li> </ul>	
0608.65	<ul style="list-style-type: none"> <li>practice/perform medication administration.</li> </ul>	
0608.66	<ul style="list-style-type: none"> <li>demonstrate knowledge of pharmacological pain management.</li> </ul>	
0608.67	<ul style="list-style-type: none"> <li>reduce the potential for clients/patients to develop complications related to treatments, procedures or existing conditions.</li> </ul>	
0608.68	<ul style="list-style-type: none"> <li>assess vital signs and note changes/abnormalities.</li> </ul>	
0608.69	<ul style="list-style-type: none"> <li>perform diagnostic testing.</li> </ul>	
0608.70	<ul style="list-style-type: none"> <li>reinforce client/patient teaching about diagnostic testing.</li> </ul>	
0608.71	<ul style="list-style-type: none"> <li>identify laboratory values for ABG's, BUN, cholesterol (total), glucose, hematocrit, hemoglobin, glycosylated hemoglobin (HgbA1c), platelets, potassium, sodium, WBC, creatinine, PT, PTT &amp; APTT.</li> </ul>	
0608.72	<ul style="list-style-type: none"> <li>compare client laboratory values to normal laboratory values.</li> </ul>	
0608.73	<ul style="list-style-type: none"> <li>perform venipuncture for blood draw.</li> </ul>	
0608.74	<ul style="list-style-type: none"> <li>collect specimen (urine, stool, gastric contents or sputum for diagnostic testing).</li> </ul>	
0608.75	<ul style="list-style-type: none"> <li>monitor diagnostic or laboratory test results.</li> </ul>	
0608.76	<ul style="list-style-type: none"> <li>notify primary health care provider about client laboratory test results.</li> </ul>	
0608.77	<ul style="list-style-type: none"> <li>monitor patient/client for alterations in body systems.</li> </ul>	
0608.78	<ul style="list-style-type: none"> <li>monitor patient/client for complications of diagnostic tests, treatments and procedures.</li> </ul>	
0608.79	<ul style="list-style-type: none"> <li>assess and monitor patient/client for complications from surgical procedures and health alterations.</li> </ul>	
0608.80	<ul style="list-style-type: none"> <li>insert a urinary catheter.</li> </ul>	
0608.81	<ul style="list-style-type: none"> <li>insert nasogastric tube.</li> </ul>	
0608.82	<ul style="list-style-type: none"> <li>assist with the performance of a diagnostic or invasive procedure.</li> </ul>	
0608.83	<ul style="list-style-type: none"> <li>reinforce client/patient teaching on treatments and procedures.</li> </ul>	
0608.84	<ul style="list-style-type: none"> <li>participate in providing care for clients with acute, chronic or life threatening physical health conditions.</li> </ul>	
<b>Skill Set</b>	<b>Pharmacology Therapies</b>	
<i>Knowledge Objectives</i>	<i>Students will demonstrate knowledge of</i>	
0608.85	<ul style="list-style-type: none"> <li>care related to administration of medications.</li> <li>monitoring of clients/patients who are receiving medications.</li> </ul>	
<i>Performance Objectives</i>	<i>Students will</i>	<i>Skill Set Met</i>
0608.86	<ul style="list-style-type: none"> <li>perform calculations needed for medication administration.</li> </ul>	
0608.87	<ul style="list-style-type: none"> <li>reinforce education to client regarding medications.</li> </ul>	
0608.88	<ul style="list-style-type: none"> <li>evaluate client response to medication.</li> </ul>	
0608.89	<ul style="list-style-type: none"> <li>follow the rights of medication administration.</li> </ul>	
0608.90	<ul style="list-style-type: none"> <li>maintain medication safety practices (storage, checking for expiration dates or compatibility).</li> </ul>	
0608.91	<ul style="list-style-type: none"> <li>reconcile and maintain medication list or medication administration record.</li> </ul>	
0608.92	<ul style="list-style-type: none"> <li>administer medication by oral route.</li> </ul>	
0608.93	<ul style="list-style-type: none"> <li>administer medication by gastrointestinal tube (i.e.g-tube, nasogastric (NG) tube, g-button or j-tube).</li> </ul>	
0608.94	<ul style="list-style-type: none"> <li>administer intravenous piggyback (secondary) medications.</li> </ul>	
0608.95	<ul style="list-style-type: none"> <li>administer a subcutaneous (SQ) intradermal or intramuscular (IM) medication.</li> </ul>	

0608.96	• administer medication by ear, eye, nose, rectum, vagina or skin route.	
0608.97	• count narcotics/controlled substances.	
0608.98	• regulate client intravenous (IV) rate.	
0608.99	• monitor transfusion of blood product.	
0608.100	• monitor and maintain client intravenous (IV) site and flow rate.	

**WV State Board of Examiners for Licensed Practical Nursing**

<http://www.lpnboard.state.wv.us>

**National Consortium for Health Science Education Health Care Standards**

[http://www.healthscienceconsortium.org/docs/therapeutic\\_svcs\\_pathway.pdf](http://www.healthscienceconsortium.org/docs/therapeutic_svcs_pathway.pdf)

**Course Description** This course is the clinical component of specialization in nursing care. Specialization

**Skill Sets**

Safe and Effective Care and Environment

Health Promotion and Maintenance

Psychosocial Integrity

Physiological Integrity

Pharmacological Therapies

**Objectives**

Utilize the nursing process to gather data regarding patient's medical status.

Analyze data related to patient's medical status.

Utilize the nursing process to contribute to the patient's plan of care.

Utilize the nursing process when making decisions related to patient care.

Utilize the nursing process to safely demonstrate nursing skills needed to promote patient wellness.

Utilize the nursing process to evaluate patient's responses to nursing actions.

Discuss documentation guidelines.

Perform aspects of the patient's complete physical examination.

Use correct aseptic or sterile techniques.

Identify safety issues related to patient care.

Provide wound care in a variety of patient situations.

Implement nursing actions to prevent complications.

Identify nursing care needed for the specific/assigned clients/patients.

Explain nursing care needed for the specific/assigned clients/patients.

Discuss nursing care for the client in pain.

Demonstrate techniques for obtaining specimens needed for diagnostic testing.



Provide care related to the administration of medications and monitors clients/patients who are receiving medications.

Skill Set	Safe and Effective Care Environment	
<i>Knowledge Objectives</i>	<i>Students will demonstrate knowledge of</i>	
0609.1	<ul style="list-style-type: none"> <li>• coordinated care.</li> <li>• safety and infection control.</li> </ul>	
<i>Performance Objectives</i>	<i>Students will</i>	<i>Skill Set Met</i>
0609.2	<ul style="list-style-type: none"> <li>• collaborate with health care team members to facilitate effective client care.</li> </ul>	
0609.3	<ul style="list-style-type: none"> <li>• discuss Advance Directives.</li> </ul>	
0609.4	<ul style="list-style-type: none"> <li>• explain and exhibit patient advocacy.</li> </ul>	
0609.5	<ul style="list-style-type: none"> <li>• take part in client care assignments.</li> </ul>	
0609.6	<ul style="list-style-type: none"> <li>• demonstrate an understanding of client rights.</li> </ul>	
0609.7	<ul style="list-style-type: none"> <li>• collaborate with interdisciplinary teams.</li> </ul>	
0609.8	<ul style="list-style-type: none"> <li>• describe the concepts of management and supervision.</li> </ul>	
0609.9	<ul style="list-style-type: none"> <li>• demonstrate confidentiality/information security.</li> </ul>	
0609.10	<ul style="list-style-type: none"> <li>• facilitate continuity of care.</li> </ul>	
0609.11	<ul style="list-style-type: none"> <li>• establish priorities.</li> </ul>	
0609.12	<ul style="list-style-type: none"> <li>• demonstrate ethics in nursing practice.</li> </ul>	
0609.13	<ul style="list-style-type: none"> <li>• identify and fulfill requirements regarding informed consent.</li> </ul>	
0609.14	<ul style="list-style-type: none"> <li>• discuss legal responsibilities.</li> </ul>	
0609.15	<ul style="list-style-type: none"> <li>• recognize the need for performance improvement (quality improvement).</li> </ul>	
0609.16	<ul style="list-style-type: none"> <li>• describe how to implement the referral process.</li> </ul>	
0609.17	<ul style="list-style-type: none"> <li>• follow resource management policies and procedures.</li> </ul>	
0609.18	<ul style="list-style-type: none"> <li>• facilitate accident/error/injury prevention.</li> </ul>	
0609.19	<ul style="list-style-type: none"> <li>• facilitate emergency response plan.</li> </ul>	
0609.20	<ul style="list-style-type: none"> <li>• apply ergonomic principles.</li> </ul>	
0609.21	<ul style="list-style-type: none"> <li>• demonstrate handling hazardous and infection materials.</li> </ul>	
0609.22	<ul style="list-style-type: none"> <li>• adhere to facility safety policies.</li> </ul>	
0609.23	<ul style="list-style-type: none"> <li>• report incidents/event/irregular occurrences/variances in client/patient care.</li> </ul>	
0609.24	<ul style="list-style-type: none"> <li>• explain the use of restraints and safety devices.</li> </ul>	
0609.25	<ul style="list-style-type: none"> <li>• use equipment safely.</li> </ul>	
0609.26	<ul style="list-style-type: none"> <li>• describe a facility security plan.</li> </ul>	
0609.27	<ul style="list-style-type: none"> <li>• understand and demonstrate Standard Precautions/transmission-based precautions/surgical asepsis.</li> </ul>	
Skill Set	Health Promotion and Maintenance	
<i>Knowledge Objectives</i>	<i>Students will demonstrate knowledge of</i>	
0609.28	<ul style="list-style-type: none"> <li>• growth and development</li> <li>• prevention/early detection of health problems.</li> </ul>	

<i>Performance Objectives</i>	<i>Students will</i>	<i>Skill Set Met</i>
0609.29	• demonstrate knowledge of the aging process.	
0609.30	• identify data collection techniques.	
0609.31	• demonstrate knowledge of developmental stages and transition.	
0609.32	• demonstrate knowledge of health promotion/disease prevention.	
0609.33	• recognize high risk behaviors.	
0609.34	• compare life style choices.	
0609.35	• stress importance of self-care.	
<b>Skill Set</b>	<b>Psychosocial Integrity</b>	
<i>Knowledge Objectives</i>	<i>Students will demonstrate knowledge of</i>	
0609.36	• providing care that assists with promotion and support of the emotional, mental and social well-being of clients.	
<i>Performance Objectives</i>	<i>Students will</i>	<i>Skill Set Met</i>
0609.37	• recognize signs and symptom of abuse/neglect.	
0609.38	• demonstrate how to report/document abuse/neglect.	
0609.39	• identify behavioral management techniques.	
0609.40	• describe chemical and other dependencies.	
0609.41	• identify different types of coping mechanisms.	
0609.42	• identify different types of crisis intervention techniques.	
0609.43	• demonstrate respect for different types of cultures	
0609.44	• demonstrate understanding of end of life concepts.	
0609.45	• identify stages of grief.	
0609.46	• recognize different mental health concepts.	
0609.47	• describe religious and spiritual beliefs on health.	
0609.48	• describe types of sensory /perceptual alterations.	
0609.49	• discuss stress and management of stressors in patient/clients' care.	
0609.50	• recognize the variety of support systems.	
0609.51	• demonstrate therapeutic communication.	
<b>Skill Set</b>	<b>Physiological Integrity</b>	
<i>Knowledge Objectives</i>	<i>Students will demonstrate knowledge of</i>	
0609.52	• basic care and comfort.	
	• pharmacological therapies.	
	• reduction of risk potential.	
	• physiological adaptations.	
<i>Performance Objectives</i>	<i>Students will</i>	<i>Skill Set Met</i>
0609.53	• demonstrate use of assistive devices.	
0609.54	• discuss the process of elimination.	
0609.55	• differentiate mobility versus immobility.	
0609.56	• demonstrate knowledge of non-pharmacological comfort interventions	
0609.57	• understand the importance of nutrition and oral hydration.	
0609.58	• identify the importance of and demonstrate providing personal hygiene	
0609.59	• discuss the need for rest and sleep.	

0609.60	• provide care related to the administration of medications.	
0609.61	• monitor clients who are receiving parenteral therapies.	
0609.62	• demonstrate knowledge of adverse effects/contraindications/side effects/interactions of medications.	
0609.63	• perform correctly dosage calculations.	
0609.64	• know/monitor the client/patient for expected actions/outcomes of medication.	
0609.65	• practice/perform medication administration.	
0609.66	• demonstrate knowledge of pharmacological pain management.	
0609.67	• reduce the potential for clients/patients to develop complications related to treatments, procedures or existing conditions.	
0609.68	• assess vital signs and note changes/abnormalities.	
0609.69	• perform diagnostic testing.	
0609.70	• reinforce client/patient teaching about diagnostic testing.	
0609.71	• identify laboratory values for ABG's, BUN, cholesterol (total), glucose, hematocrit, hemoglobin, glycosylated hemoglobin (HgbA1c), platelets, potassium, sodium, WBC, creatinine, PT, PTT & APTT.	
0609.72	• compare client laboratory values to normal laboratory values.	
0609.73	• perform venipuncture for blood draw.	
0609.74	• collect specimen (urine, stool, gastric contents or sputum for diagnostic testing).	
0609.75	• monitor diagnostic or laboratory test results.	
0609.76	• notify primary health care provider about client laboratory test results.	
0609.77	• monitor patient/client for alterations in body systems.	
0609.78	• monitor patient/client for complications of diagnostic tests, treatments and procedures.	
0609.79	• assess and monitor patient/client for complications from surgical procedures and health alterations.	
0609.80	• insert a urinary catheter.	
0609.81	• insert nasogastric tube.	
0609.82	• assist with the performance of a diagnostic or invasive procedure.	
0609.83	• reinforce client/patient teaching on treatments and procedures.	
0609.84	• participate in providing care for clients with acute, chronic or life threatening physical health conditions.	
<b>Skill Set</b>	<b>Pharmacology Therapies</b>	
<i>Knowledge Objectives</i>	<i>Students will demonstrate knowledge of</i>	
0609.85	• care related to administration of medications. • monitoring of clients/patients who are receiving medications.	
<i>Performance Objectives</i>	<i>Students will</i>	<i>Skill Set Met</i>
0609.86	• perform calculations needed for medication administration.	
0609.87	• reinforce education to client regarding medications.	
0609.88	• evaluate client response to medication.	
0609.89	• follow the rights of medication administration.	
0609.90	• maintain medication safety practices (storage, checking for expiration dates or compatibility).	

0609.91	• reconcile and maintain medication list or medication administration record.	
0609.92	• administer medication by oral route.	
0609.93	• administer medication by gastrointestinal tube (i.e.g-tube, nasogastric (NG) tube, g-button or j-tube).	
0609.94	• administer intravenous piggyback (secondary) medications.	
0609.95	• administer a subcutaneous (SQ) intradermal or intramuscular (IM) medication.	
0609.96	• administer medication by ear, eye, nose, rectum, vagina or skin route.	
0609.97	• count narcotics/controlled substances.	
0609.98	• regulate client intravenous (IV) rate.	
0609.99	• monitor transfusion of blood product.	
0609.100	• monitor and maintain client intravenous (IV) site and flow rate.	

**WV State Board of Examiners for Licensed Practical Nursing**

<http://www.lpnboard.state.wv.us>

**National Consortium for Health Science Education Health Care Standards**

[http://www.healthscienceconsortium.org/docs/therapeutic\\_svcs\\_pathway.pdf](http://www.healthscienceconsortium.org/docs/therapeutic_svcs_pathway.pdf)

**Course Description** This course is the clinical component of specialization in nursing care. Specialization

**Skill Sets**

Safe and Effective Care and Environment

Health Promotion and Maintenance

Psychosocial Integrity

Physiological Integrity

Pharmacological Therapies

**Objectives**

Utilize the nursing process to gather data regarding patient's medical status.

Analyze data related to patient's medical status.

Utilize the nursing process to contribute to the patient's plan of care.

Utilize the nursing process when making decisions related to patient care.

Utilize the nursing process to safely demonstrate nursing skills needed to promote patient wellness.

Utilize the nursing process to evaluate patient's responses to nursing actions.

Discuss documentation guidelines.

Perform aspects of the patient's complete physical examination.

Use correct aseptic or sterile techniques.

Identify safety issues related to patient care.

Provide wound care in a variety of patient situations.

Implement nursing actions to prevent complications.

Identify nursing care needed for the specific/assigned clients/patients.

Explain nursing care needed for the specific/assigned clients/patients.

Discuss nursing care for the client in pain.

Demonstrate techniques for obtaining specimens needed for diagnostic testing.

Provide care related to the administration of medications and monitors clients/patients who are receiving medications.

Skill Set	Safe and Effective Care Environment	
<i>Knowledge Objectives</i>	<i>Students will demonstrate knowledge of</i>	
0610.1	<ul style="list-style-type: none"> <li>• coordinated care.</li> <li>• safety and infection control.</li> </ul>	
<i>Performance Objectives</i>	<i>Students will</i>	<i>Skill Set Met</i>
0610.2	<ul style="list-style-type: none"> <li>• collaborate with health care team members to facilitate effective client care.</li> </ul>	
0610.3	<ul style="list-style-type: none"> <li>• discuss Advance Directives.</li> </ul>	
0610.4	<ul style="list-style-type: none"> <li>• explain and exhibit patient advocacy.</li> </ul>	
0610.5	<ul style="list-style-type: none"> <li>• take part in client care assignments.</li> </ul>	
0610.6	<ul style="list-style-type: none"> <li>• demonstrate an understanding of client rights.</li> </ul>	

0610.7	• collaborate with interdisciplinary teams.	
0610.8	• describe the concepts of management and supervision.	
0610.9	• demonstrate confidentiality/information security.	
0610.10	• facilitate continuity of care.	
0610.11	• establish priorities.	
0610.12	• demonstrate ethics in nursing practice.	
0610.13	• identify and fulfill requirements regarding informed consent.	
0610.14	• discuss legal responsibilities.	
0610.15	• recognize the need for performance improvement (quality improvement).	
0610.16	• describe how to implement the referral process.	
0610.17	• follow resource management policies and procedures.	
0610.18	• facilitate accident/error/injury prevention.	
0610.19	• facilitate emergency response plan.	
0610.20	• apply ergonomic principles.	
0610.21	• demonstrate handling hazardous and infection materials.	
0610.22	• adhere to facility safety policies.	
0610.23	• report incidents/event/irregular occurrences/variances in client/patient care.	
0610.24	• explain the use of restraints and safety devices.	
0610.25	• use equipment safely.	
0610.26	• describe a facility security plan.	
0610.27	• understand and demonstrate Standard Precautions/transmission-based precautions/surgical asepsis.	
<b>Skill Set</b>	<b>Health Promotion and Maintenance</b>	
<i>Knowledge Objectives</i>	<i>Students will demonstrate knowledge of</i>	
0610.28	• growth and development • prevention/early detection of health problems.	
<i>Performance Objectives</i>	<i>Students will</i>	<i>Skill Set Met</i>
0610.29	• demonstrate knowledge of the aging process.	
0610.30	• identify data collection techniques.	
0610.31	• demonstrate knowledge of developmental stages and transition.	
0610.32	• demonstrate knowledge of health promotion/disease prevention.	
0610.33	• recognize high risk behaviors.	
0610.34	• compare life style choices.	
0610.35	• stress importance of self-care.	
<b>Skill Set</b>	<b>Psychosocial Integrity</b>	
<i>Knowledge Objectives</i>	<i>Students will demonstrate knowledge of</i>	
0610.36	• providing care that assists with promotion and support of the emotional, mental and social well-being of clients.	
<i>Performance Objectives</i>	<i>Students will</i>	<i>Skill Set Met</i>
0610.37	• recognize signs and symptom of abuse/neglect.	
0610.38	• demonstrate how to report/document abuse/neglect.	
0610.39	• identify behavioral management techniques.	

0610.40	• describe chemical and other dependencies.	
0610.41	• identify different types of coping mechanisms.	
0610.42	• identify different types of crisis intervention techniques.	
0610.43	• demonstrate respect for different types of cultures	
0610.44	• demonstrate understanding of end of life concepts.	
0610.45	• identify stages of grief.	
0610.46	• recognize different mental health concepts.	
0610.47	• describe religious and spiritual beliefs on health.	
0610.48	• describe types of sensory /perceptual alterations.	
0610.49	• discuss stress and management of stressors in patient/clients' care.	
0610.50	• recognize the variety of support systems.	
0610.51	• demonstrate therapeutic communication.	
<b>Skill Set</b>	<b>Physiological Integrity</b>	
<i>Knowledge Objectives</i>	<i>Students will demonstrate knowledge of</i>	
0610.52	• basic care and comfort.	
	• pharmacological therapies.	
	• reduction of risk potential.	
	• physiological adaptations.	
<i>Performance Objectives</i>	<i>Students will</i>	<i>Skill Set Met</i>
0610.53	• demonstrate use of assistive devices.	
0610.54	• discuss the process of elimination.	
0610.55	• differentiate mobility versus immobility.	
0610.56	• demonstrate knowledge of non-pharmacological comfort interventions.	
0610.57	• understand the importance of nutrition and oral hydration.	
0610.58	• identify the importance of and demonstrate providing personal hygiene.	
0610.59	• discuss the need for rest and sleep.	
0610.60	• provide care related to the administration of medications.	
0610.61	• monitor clients who are receiving parenteral therapies.	
0610.62	• demonstrate knowledge of adverse effects/contraindications/side effects/interactions of medications.	
0610.63	• perform correctly dosage calculations.	
0610.64	• know/monitor the client/patient for expected actions/outcomes of medication.	
0610.65	• practice/perform medication administration.	
0610.66	• demonstrate knowledge of pharmacological pain management.	
0610.67	• reduce the potential for clients/patients to develop complications related to treatments, procedures or existing conditions.	
0610.68	• assess vital signs and note changes/abnormalities.	
0610.69	• perform diagnostic testing.	
0610.70	• reinforce client/patient teaching about diagnostic testing.	
0610.71	• identify laboratory values for ABG's, BUN, cholesterol (total), glucose, hematocrit, hemoglobin, glycosylated hemoglobin (HgbA1c), platelets, potassium, sodium, WBC, creatinine, PT, PTT & APTT.	
0610.72	• compare client laboratory values to normal laboratory values.	
0610.73	• perform venipuncture for blood draw.	

0610.74	<ul style="list-style-type: none"> <li>collect specimen (urine, stool, gastric contents or sputum for diagnostic testing).</li> </ul>	
0610.75	<ul style="list-style-type: none"> <li>monitor diagnostic or laboratory test results.</li> </ul>	
0610.76	<ul style="list-style-type: none"> <li>notify primary health care provider about client laboratory test results.</li> </ul>	
0610.77	<ul style="list-style-type: none"> <li>monitor patient/client for alterations in body systems.</li> </ul>	
0610.78	<ul style="list-style-type: none"> <li>monitor patient/client for complications of diagnostic tests, treatments and procedures.</li> </ul>	
0610.79	<ul style="list-style-type: none"> <li>assess and monitor patient/client for complications from surgical procedures and health alterations.</li> </ul>	
0610.80	<ul style="list-style-type: none"> <li>insert a urinary catheter.</li> </ul>	
0610.81	<ul style="list-style-type: none"> <li>insert nasogastric tube.</li> </ul>	
0610.82	<ul style="list-style-type: none"> <li>assist with the performance of a diagnostic or invasive procedure.</li> </ul>	
0610.83	<ul style="list-style-type: none"> <li>reinforce client/patient teaching on treatments and procedures.</li> </ul>	
0610.84	<ul style="list-style-type: none"> <li>participate in providing care for clients with acute, chronic or life threatening physical health conditions.</li> </ul>	
<b>Skill Set</b>	<b>Pharmacology Therapies</b>	
<i>Knowledge Objectives</i>	<i>Students will demonstrate knowledge of</i>	
0610.85	<ul style="list-style-type: none"> <li>care related to administration of medications.</li> <li>monitoring of clients/patients who are receiving medications.</li> </ul>	
<i>Performance Objectives</i>	<i>Students will</i>	<i>Skill Set Met</i>
0610.86	<ul style="list-style-type: none"> <li>perform calculations needed for medication administration.</li> </ul>	
0610.87	<ul style="list-style-type: none"> <li>reinforce education to client regarding medications.</li> </ul>	
0610.88	<ul style="list-style-type: none"> <li>evaluate client response to medication.</li> </ul>	
0610.89	<ul style="list-style-type: none"> <li>follow the rights of medication administration.</li> </ul>	
0610.90	<ul style="list-style-type: none"> <li>maintain medication safety practices (storage, checking for expiration dates or compatibility).</li> </ul>	
0610.91	<ul style="list-style-type: none"> <li>reconcile and maintain medication list or medication administration record.</li> </ul>	
0610.92	<ul style="list-style-type: none"> <li>administer medication by oral route.</li> </ul>	
0610.93	<ul style="list-style-type: none"> <li>administer medication by gastrointestinal tube (i.e.g-tube, nasogastric (NG) tube, g-button or j-tube).</li> </ul>	
0610.94	<ul style="list-style-type: none"> <li>administer intravenous piggyback (secondary) medications.</li> </ul>	
0610.95	<ul style="list-style-type: none"> <li>administer a subcutaneous (SQ) intradermal or intramuscular (IM) medication.</li> </ul>	
0610.96	<ul style="list-style-type: none"> <li>administer medication by ear, eye, nose, rectum, vagina or skin route.</li> </ul>	
0610.97	<ul style="list-style-type: none"> <li>count narcotics/controlled substances.</li> </ul>	
0610.98	<ul style="list-style-type: none"> <li>regulate client intravenous (IV) rate.</li> </ul>	
0610.99	<ul style="list-style-type: none"> <li>monitor transfusion of blood product.</li> </ul>	
0610.100	<ul style="list-style-type: none"> <li>monitor and maintain client intravenous (IV) site and flow rate.</li> </ul>	



**Module:****Social Sciences: Meeting Patient and Employer Needs**

**This module is developed to meet the 150 hours of instruction in the social sciences required by the West**

**Implement effective communication techniques in nursing practice**—The student will be able to:

- apply basic speaking and active listening skills including reflection, restatement and clarification techniques.
- develop basic observational skills and related documentation strategies in written and oral form.
- identify characteristics of successful and unsuccessful communication including communication styles and
- compose written communication using correct spelling, grammar, formatting, confidentiality and use of
- use appropriate medical terminology and abbreviations.
- recognize the importance of courtesy and respect for patients and other health care workers and maintain good
- recognize the importance of patient/client education regarding health care.
- adapt communication skills to varied levels of understanding and cultural orientation including diverse age,
- analyze elements of communication using a sender-receiver model.
- distinguish between and report subjective and objective information.
- report relevant information in order of occurrence.
- select and employ appropriate communication concepts and strategies to enhance oral and written
- locate, organize and reference written information from various sources.
- design, develop and deliver formal and informal presentations using appropriate media to engage and inform
- interpret verbal and nonverbal cues/behaviors that enhance communication.
- apply active listening skills to obtain and clarify information.
- develop and interpret tables and charts to support written and oral communications.
- exhibit public relations skills that aid in achieving customer satisfaction.

**Effectively utilize teamwork skills in any setting**—The student will be able to:

- describe the nature and types of business organizations.
- explain the effect of key organizational systems on performance and quality.
- list and describe quality control systems and/or practices common to the workplace.
- explain the impact of the global economy on business organizations.
- employ leadership skills to accomplish organizational goals and objectives
- establish and maintain effective working relationships with others, in order to accomplish objectives and tasks.
- conduct and participate in meetings to accomplish work tasks.
- Employ a positive attitude to promote effective team work.
- analyze attributes and attitudes of an effective leader.
- recognize factors and situations that may lead to conflict. .
- demonstrate effective techniques for managing team conflict.

**Provide age-appropriate and culturally competent care throughout the patient's lifespan.**

- Identify importance of client culture/ethnicity when planning/providing/monitoring care
- Recognize client cultural practices that may affect interventions for procedures/surgery (e.g., direct eye contact).
- Recognize cultural issues that may impact client understanding/acceptance of psychiatric diagnosis.
- Make adjustment to care with consideration of client spiritual or cultural beliefs.\*
- Respect cultural background/practices of client (does not include dietary preferences).
- Document how client language needs are met.

**Provide health promotion strategies to support and encourage patient wellness.**

- describe personal and job site safety rules and regulations that maintain safe and healthy work environments.

- demonstrate the safe use of medical equipment.
- explain and apply the theory of root- cause analysis.
- identify and describe methods in medical error reduction and prevention in the various healthcare settings.
- identify and practice security procedures for medical supplies and equipment.
- demonstrate personal safety procedures based on Occupations Safety and Health Administration (OSHA) and
- recognize Materials Data Safety Sheets (MSDS) and comply with safety signs, symbols and labels.
- demonstrate proper body mechanics and ergonomics.
- demonstrate the procedure for properly identifying patients.
- demonstrate procedures for the safe transport and transfer of patients.
- describe fire safety, disaster and evacuation procedures.
- create a disaster and/or emergency response plan.
- [discuss The Joint Commission patient safety goals. \(www.jointcommission.org\)](http://www.jointcommission.org)
- explain emergency procedures to follow in response to workplace accidents.

### **Develop professionalism traits to be used in nursing practice.**

- employ leadership skills to accomplish organizational goals and objectives.
- establish and maintain effective working relationships with others, in order to accomplish objectives and tasks.
- conduct and participate in meetings to accomplish work tasks.
- employ mentoring skills to inspire others.
- analyze attributes and attitudes of an effective leader.
- recognize factors and situations that may lead to conflict.
- demonstrate effective techniques for managing team conflict.

### **Implement nursing ethics and law principles to ensure quality nursing practice.**

- recognize and report illegal and/or unethical practices of health care workers.
- recognize and report abuse including domestic violence and neglect.
- evaluate and justify decisions based on ethical reasoning.
- evaluate alternative responses to workplace situations based on personal, professional, ethical, legal
- identify and explain personal and long-term consequences of unethical or illegal behaviors in the workplace.
- interpret and explain written organizational policies and procedures.
- distinguish among the five schedules of controlled substances.
- develop interview skills.
- discuss appropriate ways of terminating employment.
- familiarize students with WV Board of Practical Nursing rules and regulations.
- complete an application for licensure.
- discuss professional memberships and CEU requirements.
- complete the NCLEX application.

### **Use information technology tools.**

- describe technology applications in healthcare.
- define terms and demonstrate basic computer skills.
- interpret information from electronic medical documents.
- employ technological tools to expedite workflow including word processing, databases, reports, spreadsheets,
- use personal information management applications to increase workplace efficiency.
- employ computer operations applications to access, create, manage, integrate and store information.
- employ collaborative/groupware applications to facilitate group work.

### **Explain the importance of employability and entrepreneurship skills.**

- identify personal traits or attitudes desirable in a member of the healthcare team.
- exemplify basic professional standards of healthcare workers as they apply to hygiene, dress, language,
- identify documents that may be required when applying for a job.
- maintain a career portfolio to document knowledge, skills and experience.
- write an appropriate resume.
- conduct a job search and complete a job application form correctly.
- demonstrate competence in job interview techniques.
- examine levels of education, credentialing requirements including licensure and certification, employment
- identify and demonstrate positive work behaviors needed to be employable.
- compare careers within the health science career pathways (diagnostic services, therapeutic services, health
- develop personal career plan that includes goals, objectives and strategies.
- examine licensing, certification, and industry credentialing requirements.
- evaluate and compare employment opportunities that match career goals.
- identify and exhibit traits for retaining employment.
- identify opportunities and research requirements for career advancement.
- research the benefits of ongoing professional development.

### **Solve problems using critical thinking skills, creativity and innovation.**

- employ critical thinking skills independently and in teams to solve problems and make decisions.
- employ critical thinking and interpersonal skills to resolve conflicts.
- identify and document workplace performance goals and monitor progress toward those goals.
- conduct technical research to gather information necessary for decision-making.

### **Describe the roles within teams, work units, departments, organizations, inter-organizational systems and the larger work environment.**

- describe personal and job site safety rules and regulations that maintain safe and healthy work environments.
- demonstrate the safe use of medical equipment.
- explain and apply the theory of root- cause analysis
- identify and describe methods in medical error reduction and prevention in the various healthcare settings.
- identify and practice security procedures for medical supplies and equipment.
- demonstrate personal safety procedures based on Occupations Safety and Health Administration (OSHA) and
- recognize Materials Data Safety Sheets (MSDS) and comply with safety signs, symbols and labels.
- demonstrate proper body mechanics and ergonomics.
- demonstrate the procedure for properly identifying patients.
- demonstrate procedures for the safe transport and transfer of patients.
- describe fire safety, disaster and evacuation procedures.
- create a disaster and/or emergency response plan.
- [discuss The Joint Commission patient safety goals. \(www.jointcommission.org\)](http://www.jointcommission.org)
- explain emergency procedures to follow in response to workplace accidents.

### **Demonstrate leadership and teamwork skills needed to accomplish team goals and objectives.**

- employ leadership skills to accomplish organizational goals and objectives.
- establish and maintain effective working relationships with others, in order to accomplish objectives and tasks.
- conduct and participate in meetings to accomplish work tasks.
- employ mentoring skills to inspire and teach others.
- analyze attributes and attitudes of an effective leader.
- recognize factors and situations that may lead to conflict. .

- demonstrate effective techniques for managing team conflict.

**Demonstrate employability skills specific to practical nursing**--The student will be able to:

- recognize the potential for stress in the practice of nursing and develop methods of managing stress.
- describe desirable qualities and skill sets in a practical nurse.
- recognize the potential for violence in the workplace and describe methods of reducing that potential.
- identify employment opportunities for licensed practical nurses.
- participate in interview skill development activities.
- complete letters of job application and resignation.
- complete a professional portfolio, including a resume.

## **Module: Principles and Fundamentals of Practical Nursing**

**This module is to be used to assist the student in developing introductory level nursing skills and**

Students completing this module will be able to:

**Use verbal and written communications specific to nurse assisting**--The student will be able to:

- obtain specified data from patient and family.
- utilize verbal and written information to assist with the patient's plan of care.

**Demonstrate legal and ethical responsibilities specific to nurse assisting**--The student will be able to:

- demonstrate legal and ethical behavior within the role and scope of nursing assistant responsibilities.
- describe the purpose of the chain of command (i.e., to resolve patient or employee problems).
- follow policies and procedures affecting the health, safety and well-being of patients.
- recognize and report signs of substance abuse.
- follow legal guidelines in charting.
- exhibit behavior supporting and promoting residents' rights.
- recognize potential for and prevention of medical errors.
- discuss proper procedures to follow regarding medical errors.

**Perform physical comfort and safety functions specific to nurse assisting**--The student will be able to:

- maintain patient units and equipment.
- maintain service areas on the units including supplies and equipment.
- observe, report, and note changes in the patient's behavior daily, including mental awareness.
- adjust bed and side-rails.
- lift, hold and transfer patients including the use of the mechanical lift, utilizing good body mechanics.
- turn and position patient.
- transfer patient to stretcher.
- apply protective devices as directed (e.g., vest and belt).
- apply comfort devices as directed (e.g., foot-board, over bed cradle, alternating pressure mattress).
- assist patient to dangle.
- assist patient in ambulation, including the use of crutch, cane or walker.
- assist patient in using wheelchair.
- assist patient with care and use of prosthetic/orthotic devices.
- administer back rub.
- describe emergency procedures utilized in the clinical area(s).
- implement appropriate The Joint Commission patient safety goals.

**Provide personal patient care**--The student will be able to:

- give bed bath.
- assist with shower or tub bath, including the use of specialty tubs.
- assist patient with sink, tub, shower or bed shampoo.
- shave patient.
- groom patient, including hair, skin, foot and nail care.
- assist with and/or administer oral hygiene including denture care.
- assist patient with toileting using a bedpan and urinal.
- assist patient to dress.
- assist patient with meals.
- provide bowel and bladder training.
- give perineal care.
- empty urinary drainage.
- provide dental care.

**Perform patient care procedures**--The student will be able to:

- demonstrate ability to accurately measure and record vital signs.
- admit patient.
- transfer patient.
- discharge patient.
- make unoccupied/occupied bed.
- measure and record patient's height and weight.
- assist patient in passive range-of-motion exercises.
- apply anti-embolic hose and sequential compression devices.
- collect, strain, and/or test routine urine specimen.
- collect timed urine specimen.
- monitor catheter drainage system.
- collect clean-catch (midstream-voided) urine specimen.
- monitor fluid intake and output (I&O), including encouraging and restricting fluids.
- observe, record and report patient's emesis.
- monitor and assist with care of catheters.
- assist with ostomy care.
- collect stool specimen.
- perform postmortem care.
- maintain patient-belongings list.
- care for patients with nasal, gastrostomy and/or intravenous tubes.
- collect sputum specimen.

**Apply principles of nutrition**--The student will be able to:

- identify nutrients and food groups based upon MyPlate.
- explain regional, cultural, and religious food references.
- identify and describe special diets.
- prepare a basic food plan for a regular diet without restrictions.
- check patient's diet tray for accuracy.
- identify methods of maintaining fluid balance.
- feed a patient.

**Provide care for geriatric patients**—The student will be able to:

- identify safety principles as related to the elderly.
- describe general characteristics, particular needs and problems of the elderly.
- identify attitudes and living habits that promote positive mental and physical health for the elderly.
- distinguish between fact and fallacy about the aging process.
- identify community resources and services available to the elderly.
- Apply Reality Orientation Techniques, Reminiscence and Validation Therapy.
- provide and involve patients in diversional activities.
- identify common alterations in elderly patient behavior.
- recognize and respond appropriately to symptoms of common diseases including dementia, depression/suicide
- identify common problems in drug use and abuse in the elderly.
- list community resources for individual and family health.
- identify components of the grief process.

**Apply the principles of infection control specific to nursing assisting**—The student will be able to:

- provide care for patients with infectious diseases applying the principles of "Standard Precautions" utilized
- set up isolation unit.
- follow isolation procedure with personal protective equipment, food tray, garments and other materials.
- collect specimen from patient in isolation.

**Provide biological, psychological, and social support**—The student will be able to:

- discuss family roles and their significance to health.
- respond to patient and family emotional needs.

**Perform supervised organizational functions, following the patient plan of care**—The student will be able to:

- organize patient-care assignments.
- complete assignments accurately and in a timely manner.
- determine priorities when providing care.

**Assist with restorative (rehabilitative) activities**—The student will be able to:

- list the purposes of restorative (rehabilitation) program.
- assist patient with specified restorative (rehabilitation) needs.
- assist patients/residents to reach the optimum level of independence.

## **Module: Practical Nursing 1**

**This module is to be used to assist the student in meeting requirements for medical/surgical conditions**

**Demonstrate computer literacy as related to nursing functions**—The student will be able to:

- demonstrate computational, keyboarding and retrieval skills relevant to job requirements for a licensed practical nurse.
- identify computer skills utilized for each clinical rotation and apply as appropriate.
- utilize the computer for client documentation and care planning.
- retrieve information from the Internet using a variety of appropriate websites.
- respect privacy laws and confidentiality of client information based upon HIPAA.

**Use appropriate verbal and written communications in the performance of nursing functions**—The student will be able to:

- receive and give oral report of patient's status.
- report and record objective, pertinent observations.
- maintain current documentation.
- document changes in patient behavior and mental awareness.
- obtain specified data from patient and family.
- define and explain the steps in the nursing process and the role of the licensed practical nurse in that process.
- utilize nursing principles to assist with the patient's plan of care.
- utilize effective communications with clients, families and other members of the health team.
- recognize and eliminate barriers to effective communication.

**Demonstrate legal and ethical responsibilities specific to the nursing profession**—The student will be able to:

- identify the components of the Nurse Practice Act.
- practice within the role and scope of the job description.
- follow policies and procedures affecting the health, safety and well-being of patients.
- follow legal guidelines in charting.
- practice appropriate delegation to unlicensed personnel in the role of team leaders.
- demonstrate application of ethical guidelines and principles including confidentiality, autonomy, consent and role fidelity.

**Describe human growth and development**—The student will be able to:

- describe characteristics of growth and development from conception to birth.
- describe characteristics of growth and development from birth through preschool.
- describe characteristics of growth and development from school age through adolescence.
- describe characteristics of growth and development of the adult through the life span.
- discuss family roles and their significance to health.

**Apply the principles of infection control, utilizing nursing principles**—The student will be able to:

- don and remove personal protective equipment.
- collect specimen from isolated patient.
- demonstrate procedures for initiating isolation, including care and disposal of equipment and supplies.

**Perform aseptic techniques**—The student will be able to:

- apply principles of medical and surgical asepsis.
- apply and remove sterile gloves and gown.
- apply sterile dressing.
- open sterile equipment and supplies.
- set up and maintain sterile field.
- clean and disinfect equipment.
- describe various types of pathogens and the chain of infection
- perform sterile technique as appropriate such as dressing changes, catheterization and injections.

**Describe the anatomy and physiology of the human body**—The student will be able to:

- describe the relationships of body systems in providing patient care.
- describe the structure and function of the respiratory system.
- describe the structure and function of the cardio-vascular system.
- describe the structure and function of the muscular-skeletal system.

- describe the structure and function of the nervous, skin, and sensory systems.
- describe the structure and function of the reproductive system.
- describe the structure and function of the urinary system.
- describe the structure and function of the digestive system.
- describe the structure and function of the endocrine system.
- describe the role of immunity.

**Apply principles of nutrition**—The student will be able to:

- describe the types of nutrients including fats, protein, carbohydrates, vitamins and minerals.
- explain the need for water and electrolyte balance.
- explain the rationale for therapeutic diets.
- assist patient with and maintain therapeutic diets.
- list factors which must be considered when purchasing food.
- list factors which must be considered when storing food safely.
- identify methods of safe food preparation.
- assess the client's use of supplementation.



## Module: Practical Nursing 2

**This module is to be used to assist the student in meeting requirements for medical/surgical conditions**

**Recognize alterations in body systems**–The student will be able to:

- identify signs and symptoms of an infection.
- identify/intervene to control signs of hypoglycemia or hyperglycemia.
- recognize and report basic abnormalities on a client cardiac monitor strip.
- provide care for client drainage device (e.g., wound drain or chest tube).
- provide cooling/warming measures to restore normal temperature.
- provide care for a client with a tracheostomy.
- provide care to client with an ostomy (e.g., colostomy, ileostomy or urostomy).
- provide care to client on ventilator.
- perform wound care and/or dressing change.
- perform check of client pacemaker.
- perform care for client after surgical procedure .
- remove wound sutures or staples.
- remove client wound drainage device.
- intervene to improve client respiratory status (e.g., breathing treatment, suctioning or repositioning).
- reinforce education to client regarding care and condition..
- identify signs and symptoms related to an acute or chronic illness.
- respond to a client life-threatening situation (e.g., cardiopulmonary resuscitation).
- recognize complications of acute or chronic illness and intervene.
- consider general principles of client disease process when providing care (e.g., injury and repair, immunity, cellular structure).
- apply knowledge of pathophysiology to monitoring client for alterations in body systems.
- identify signs and symptoms of client fluid and/or electrolyte imbalances.
- provide interventions to restore client fluid and/or electrolyte balance.
- monitor client response to interventions to correct fluid and/or electrolyte imbalance.
- respond to a client life-threatening situation (e.g., cardiopulmonary resuscitation).\*
- provide emergency care for wound disruption (e.g., evisceration, dehiscence).
- notify primary health care provider about client unexpected response/emergency situation.
- recommend change in emergency treatment based upon client response to interventions.
- reinforce teaching of emergency intervention explanations to client.
- review and document client response to emergency interventions (e.g., restoration of breathing, pulse).
- provide interventions for client side effects to radiation therapy.
- monitor client for signs and symptoms of adverse effects of radiation therapy.
- reinforce client teaching for management of side/adverse effects of radiation therapy.
- document client response to radiation therapy (e.g., skin condition).
- identify and treat a client intravenous (IV) line infiltration.
- recognize complications of acute or chronic illness and intervene.\*
- intervene in response to client unexpected negative response to therapy (e.g., unexpected bleeding).
- document client unexpected response to therapy.
- promote recovery from client unexpected negative response to therapy (e.g., urinary tract infection).

**Perform nursing procedures**–The student will be able to:

- apply hot and cold applications.
- assist patient with sitz bath.

- apply pelvic belt for traction.
- apply cervical collar.
- monitor chest drainage system.
- monitor patient's following special procedures (e.g. I.V.P., myelogram, MRI, CAT scan).
- apply bandage.
- apply binders.
- apply brace.
- apply splints.
- maintain skin and skeletal traction.
- clean tong/pin site.
- change clean dressing.
- obtain a throat culture.
- insert urinary catheter.
- obtain specimen from patient with indwelling catheter.
- measure urine specific gravity.
- remove retention catheter.
- change ostomy appliance.
- insert a nasogastric tube.
- connect nasogastric tube to suction machine.
- remove nasogastric tube.
- administer gavage feeding.
- perform neurological checks.
- give enema.
- logroll patient.
- test stool for occult blood.
- perform naso-oral-pharyngeal suction.
- perform tracheostomy care/suction
- admit, transfer and discharge a client.
- irrigate urinary catheter.
- maintain continuous urinary bladder irrigation.
- irrigate ear.
- irrigate eye.
- irrigate nasogastric tube.
- irrigate vaginal canal.
- irrigate wound.
- irrigate oral cavity.
- irrigate colostomy.
- maintain enteral feeding tubes.
- instruct patient in breathing exercises.
- obtain and test a drop of blood for glucose monitoring.
- assist with physical examination.
- assist patient with diagnostic procedures.
- set up vaporizer/humidifier.
- administer and maintain oxygen.
- perform calculation and adjust IV flow rate.
- observe intravenous infusion and report signs of adverse reactions.
- inspect insertion site, change dressing, and remove IV needle or catheter from peripheral veins.
- hang bags or bottles of hydrating IV fluid.

- Review the WV State Board of Examiner's for Practical Nursing policy on IV Therapy for LPNs.
- provide postmortem care.

**Administer medication**—The student will be able to:

- demonstrate accurate dosage calculation.
- demonstrate the six rights of administering medication.
- observe and respond to patient's need for medication.
- practice proper identification of client.
- practice interventions prior to administration of medication as indicated(blood pressure, apical pulse, respirations).
- describe/list action, use, interventions and usual adverse effects of specific medications.
- monitor the client for idiosyncrasy or adverse effects.
- administer topical medication.
- administer inhalants.
- administer oral medication.
- administer sublingual medication.
- administer rectal medication.
- administer vaginal medication.
- administer eye medications.
- administer ear drops.
- administer nose drops.
- administer intramuscular injection (including z-tract).
- administer intradermal injection.
- administer subcutaneous injection.
- administer medication through gastrostomy tube.
- properly obtain, monitor and document use of controlled substances.
- instill bladder medication.
- care for equipment and supplies used to administer medications.
- assist the patient with self-administration of medications; reinforce teaching by the RN on the patient's
- observe and communicate effects of medications.
- document administration of medication and patient's response on medical record.
- store medications properly.
- demonstrate use of medication resources.

**Provide care for medical/surgical/oncology patients, utilizing nursing principles**—The student will be able to:

- identify signs and symptoms of disease/disorders of the body systems.
- identify diagnostic tests used in the treatment of diseases/disorders of the body systems.
- identify medications used in the treatment of diseases/disorders of the body systems.
- identify nutritional needs of patients with diseases/disorders of the body systems.
- identify other modalities in the treatment of diseases/disorders of the body systems.
- identify specific nursing interventions with disease/disorders of the body systems.
- identify common alterations in patients with psychological disorders.
- prepare nursing care plans for clients/patients with various disease/disorder.
- care for the patient with respiratory disease/disorder.
- care for the patient with cardio-vascular disease/disorder.
- care for the patient with muscular-skeletal disease/disorder.
- care for the patient with nervous, skin, and sensory disease/disorder.
- care for the patient with reproductive disease/disorder.

- care for the patient with urinary disease/disorder.
- care for the patient with digestive disease/disorder.
- care for the patient with endocrine disease/disorder.
- care for the patient with an oncologic disease/disorder.
- care for the patient with an immune system disorder.

**Provide care for pre-operative and post-operative patients, utilizing nursing principles**—The student will be able to:

- assist with pre-operative and post-operative preparation and teaching.
- perform a surgical prep.
- prepare patient for operating room.
- prepare patient's medical records for operating room.
- provide post-operative care including data collection.
- assist with post-operative discharge teaching.
- transfer to medical surgical unit after PACU.

**Demonstrate knowledge of venipuncture**—This skill is not normally part of the Practical Nursing educational

- locate and identify the peripheral veins used for venipuncture to draw blood.
- list the most common peripheral vein locations used for venipuncture to draw blood.

**Perform a venipuncture to draw blood**—The student will be able to:

- prepare and support the patient psychologically.
- prepare and support the patient's family and/or visitors psychologically.
- prepare and support the patient physically.
- choose equipment appropriately.
- label the specimen collection tube appropriately.
- choose and properly prepare appropriate site(s).
- palpate the vein(s) adequately.
- insert equipment into the vein maintaining the safety of both the patient and the nurse.

**Recognize and respond to adverse reactions to venipuncture**—The student will be able to:

- recognize the signs and symptoms of local complications of venipuncture.
- recognize the signs and symptoms of systemic complications to venipuncture.
- discuss preventive measures for both local and systemic complications.
- describe appropriate treatment measures for both local and systemic complications.

**Recognize and use various types of venipuncture equipment**—The student will be able to:

- identify various types of equipment used in venipuncture.
- discuss the criteria for the use of each type of equipment.
- describe how to troubleshoot for malfunction of various types of equipment.

**Describe and utilize the principles of infection control in venipuncture**—The student will be able to:

- use aseptic technique as related to venipuncture.
- describe ways to prevent iatrogenic infection.
- describe treatment for iatrogenic infections.

**Develop transitional skills**--The student will be able to:

- organize complex patient care assignments with multiple clients.

- discuss the scope of practice of a licensed practical nurse in a leadership/supervisory role according to the WV
- describe the role of the LPN in delegation to unlicensed personnel according to the delegation model.
- describe the West Virginia Board of Nursing requirements for licensure renewal including continuing education requirements.
- demonstrate an understanding of licensure by examination and by endorsement
- complete application for licensure by examination.
- discuss current legislation pertinent to the West Virginia Board of Nursing and its effect on your nursing practice
- determine how to apply for membership in a professional organization.
- discuss benefits and responsibilities of the LPN in membership in a professional organization.
- identify grounds for disciplinary action against a licensed practical nurses lic

## Module: Practical Nursing 3

**This module should include theory and clinical experience, concurrent and/or sequential in the care of the mother before, during and after labor. Principles of newborn care are also included in the course. The course will acquaint the student with the needs of the well and ill child. Normal growth and development from birth through adolescence is studied, as well as the nursing care of the developing individual in health and disease. Communication skills are emphasized to provide acceptable relationships with children, adolescents and family. Nutrition and pharmacology are integrated with related theory. \*\* Skills listed below are to be used as a guide. Not all clinical sites/clinical instructors will be able to complete all skills. Please check with your advisory board or your local facilities for skills they recommend that will enhance the employability of your students.**

**Provide care for maternal/newborn patients, utilizing nursing principles**—The student will be able to:

- describe prenatal care.
- assist with admitting patient to labor and delivery.
- describe how contractions are monitored.
- describe ways to monitor fetal heart rate.
- recognize signs of fetal distress.
- assist with preparing patient for Caesarean Section.
- describe care during delivery process.
- describe Apgar score.
- Use security procedures to confirm identity of infant and match with mother.
- weigh and measure infant.
- bathe infant.
- carry infant.
- feed infant.
- provide post- partum care.
- determine position of fundus post-partum
- demonstrate and perform perineal care.
- assist mother with infant care.
- observe infant circumcision.
- clean infant genitalia and diaper.
- care for non-laboring, premature laboring mothers and mother in the post-partum period
- discharge obstetric patient.

**Provide care for pediatric patients, utilizing nursing principles**—The student will be able to:

- adapt nursing care for the pediatric patient.
- apply safety principles for the pediatric patient.
- describe general characteristics, particular needs and problems of pediatric patients.
- prepare patient and family for the hospital experience.
- identify signs and symptoms of common disorders/diseases.
- identify diagnostic tests and treatment of common disorders/diseases.
- implement prescribed nutritional requirements.
- provide diversion and recreational activities.
- provide support and teaching of the family as indicated.
- report suspicion of abuse and neglect to the appropriate person.
- identify and report developmental delays to the appropriate person.
- care for pediatric clients with common disorders/diseases.

- correlate Maslow's Hierarchy with both physical and mental components of health.

**Provide bio-psycho-social support**--The student will be able to:

- respond to emotional needs of patient and family.
- discuss coping mechanisms as seen in the performance of healthcare.
- differentiate between mental health and mental illness.

## **Module: Practical Nursing 4**

**This module will assist the student in understanding the concept of psychosocial integrity. The practical**

**Demonstrate understanding of psychosocial functioning**— The student will be able to:

- assist in or reinforce education to caregivers/family on ways to manage client with behavioral disorders.
- participate in behavior management program by recognizing environmental stressors and/or providing a therapeutic
- participate in reminiscence therapy, validation therapy or reality orientation.
- participate in client group session.
- identify signs and symptoms of substance abuse/chemical dependency, withdrawal or toxicity.
- collect data regarding client psychosocial functioning.
- identify client use of effective and ineffective coping mechanisms.
- identify significant body or lifestyle changes and other stressors that may affect recovery/health maintenance.
- assist client to cope/adapt to stressful events and changes in health status (e.g., end of life, grief and loss, life changes or physical changes).
- collect data on client potential for violence.
- assist in managing the care of angry/agitated client.
- make adjustment to care with consideration of client spiritual or cultural beliefs.
- report why client is refusing or not following treatment plan.
- assist in the care of the cognitively impaired client.
- promote positive self-esteem of client.
- provide emotional support to client and family.
- use therapeutic communication techniques with client.

**Apply knowledge of client risk factors for abuse and neglect**—The student will:

- identify client risk factors for abusing or neglecting others.
- identify signs and symptoms of physical, psychological or financial abuse in client (e.g., family involvement, inadequate weight gain, poor hygiene).
- recognize risk factors for domestic, child and/or elder abuse/neglect and sexual abuse.
- provide safe environment for abused/neglected client.
- provide emotional support to client who experienced abuse or neglect.
- reinforce client teaching on coping strategies to prevent abuse or neglect.
- evaluate client response to interventions.

**Apply the principles of behavioral management**—The student will:

- monitor client appearance, mood and psychomotor behavior and observe for changes.
- explore cause of client behavior.
- assist client with achieving self-control of behavior (e.g., contract, behavior modification).
- assist client in using behavioral strategies to decrease anxiety.
- assist in or reinforce education of caregivers/family on ways to manage client with behavioral disorders.
- participate in behavior management program by recognizing environmental stressors and/or providing therapeutic environment.
- participate in reminiscence therapy, validation therapy or reality orientation.
- participate in client group session.
- reinforce client participation in therapy.
- use behavioral management techniques when caring for a client (e.g., positive reinforcement, setting limits).
- evaluate client response to behavioral management interventions.

**Demonstrate knowledge regarding chemical and other dependencies**—The student will:

- list and define signs and symptoms of substance abuse/chemical dependency, withdrawal or toxicity.\*



- plan and provide care to client experiencing substance-related withdrawal or toxicity (e.g., nicotine, opioid, sedative).
- provide care and support for client with impulse-control disorders (e.g., gambling, sexual addiction, pornography).
- reinforce provided information on substance abuse diagnosis and treatment plan to client.
- encourage client participation in support groups (e.g., Alcoholics Anonymous, Narcotics Anonymous).
- monitor client response to treatment plan and contribute to revision of plan as needed.

**Recognize the different types of coping mechanisms**—The student will:

- collect data regarding client psychosocial functioning.
- identify client support systems and available resources.
- identify client use of effective and ineffective coping mechanisms.
- identify significant body or lifestyle changes and other stressors that may affect recovery/health maintenance.
- recognize abilities of client to adapt to temporary/permanent role changes.
- recognize client response to illness (e.g., rationalization, hopelessness, anger).
- provide support to the client with unexpected altered body image (e.g., alopecia).
- use therapeutic techniques to assist client with coping ability.
- assist client to cope/adapt to stressful events and changes in health status (e.g., end of life, grief and loss, life changes or physical changes).
- assist client in maintaining level of independence after unexpected body image changes (e.g., amputation, paralysis).
- monitor client progress toward achieving improved body image (e.g., mastectomy, colostomy).

**Demonstrate knowledge regarding crisis intervention**—The student will:

- identify client in crisis.
- identify client risk for self-injury and/or violence (e.g., suicide or violence precaution).
- collect data on client potential for violence.
- assist in managing the care of angry/agitated client.
- use crisis intervention techniques to assist client in coping.
- provide opportunities for client to understand why the crisis occurred.
- guide client to resources for recovery from crisis (e.g., social supports).
- reinforce client teaching on suicide/violence prevention.
- report changes in client behavior (indicating a developing crisis) to supervisor.

**Apply principles of mental health concepts**—The student will:

- identify expected behaviors of client with independent or dependent personality.
- identify client symptoms of acute or chronic mental illness (e.g., schizophrenia, depression, bipolar disorder).
- recognize client use of defense mechanisms.
- recognize change in client mental status.
- recognize client symptoms of relapse
- explore why client is refusing or not following treatment plan.
- assist in the care of the cognitively impaired client.
- assist in promoting client independence.
- establish trusting nurse-client relationship.
- promote positive self-esteem of client.
- provide emotional support to client and family.
- assist client in communicating needs to health care staff.
- develop and maintain therapeutic relationships with client.

- respect client personal values and beliefs.
- establish a trusting nurse-client relationship.
- use therapeutic communication techniques with client.
- encourage client appropriate use of verbal and non-verbal.
- monitor effectiveness of communications with client.

## **Module: Anatomy and Physiology**

**This module focuses on the structure and function of each system in the human body. Additional**

**Terms and concepts applicable to the basic structure of the human body-**Students will be able to:

- differentiate anatomy and physiology.
- examine two subdivisions of anatomy.
- interpret terms referring to location, direction, planes and sections of the body.
- examine metabolism, anabolism, catabolism and homeostasis.
- distinguish the molecular structure and function of DNA and RNA.
- describe acids and bases.
- examine the process of neutralization.
- differentiate pH and the pH scale.
- classify examples of the pH of body fluids.
- establish the significance of pH for body function.
- examine a buffer.
- define and pronounce medical terminology applicable to body structures and functions.

**The structure of a typical cell and the function of each component-** Students will be able to:

- examine the structure of a typical cell.
- distinguish the function of each cell structure.
- define mitosis.
- differentiate the five phases of mitosis.
- examine diffusion, osmosis, filtration, active transport, phagocytosis and pinocytosis.
- assess cell specialization.
- establish the meaning of benign, malignant and metastasis.

**Tissues, Organs and Organ Systems-** Students will be able to:

- examine the four main types of tissues, describing their function and location.
- define organ.
- define organ system.
- assess the function of each organ and organ system in the human body.
- distinguish the process by which tissue is repaired.
- determine the vitamins favorable to tissue repair.

**Integumentary System-** Students will be able to:

- list and define structures and functions of the integumentary system including appendages.
- Explain common diseases associated with the integumentary system.
- define integument.
- examine the function of the skin.
- distinguish epidermis, dermis, and subcutaneous layers including structure, function and location.
- examine the appendages of the skin and their structure, function and location.
- correlate skin functions as a barrier to microorganisms.
- differentiate the following disorders: acne vulgaris, athlete's feet, dermatitis, eczema, impetigo, psoriasis, ring worm, urticaria, furuncles, carbuncles, shingles, herpes, skin cancer and burns.
- determine common types of skin lesions in relationship to their characteristics and size including an example of each.

**Skeletal System-** Students will be able to:

list and define structures and functions of the skeletal system.

- List and explain common disorders associated with the skeletal system.
- determine the functions of the skeletal system.
- describe how bones are classified.
- distinguish types of joint movement.
- examine the process by which bone is formed.
- label the parts of the long bone, describing structure and function.
- examine how bones grow.
- distinguish bones of the skeleton by name and location.
- examine four types of fractures.
- differentiate open reduction, closed reduction and traction.
- recognize common bone and joint disorders

**Muscular System-** Students will be able to:

demonstrate knowledge of structure and function of each muscle type.

Demonstrate knowledge of Common disorders associated with the muscular system.

- interpret the function of muscle.
- name, describe, and locate each type of muscle.
- differentiate contractility, extensibility, elasticity and excitability as they relate to muscular function.
- relate the attachment of the origin and insertion of a muscle.
- distinguish the terms antagonist, flexor, extensor, levator, depressor and dilator.
- examine energy and heat in relationship to the work of muscles.
- assess muscle fatigue and tone.
- name, locate and describe the function of the main skeletal muscles.
- examine the effect of sports training on muscles.
- compare common muscular disorders.

**Circulatory System-** The students will be able to:

demonstrate knowledge of the structure and function of the circulatory system including the heart and blood vessels.

- demonstrate knowledge of common diseases associated with the circulatory system.
- the function of the circulatory system.
- Examine and locate the components of the circulatory system.
- Recognize substances that are added and removed from the blood during circulation.
- Examine the structure and function of the heart.
- demonstrate the blood pathway through cardiopulmonary circulation.
- determine the conductive pathway of an electrical impulse as the heart contracts.
- examine disorders of the heart.
- differentiate the specialized circulatory systems.
- trace the blood in fetal circulation.
- compare and contrast the types of blood vessels.
- recognize the principal arteries and veins of the body.
- establish the process by which blood flows through the arteries and veins.
- distinguish systolic and diastolic blood pressure.
- Examine disorders of the blood vessels

**Blood-** Students will be able to:

demonstrate knowledge of structure and function of blood.

list blood types.

- describe common disorders of the blood.
- examine the function of blood components.
- recognize the three types of blood cells.
- identify hemoglobin, erythropoiesis, hemolysis and coagulation.
- describe the inflammatory process.
- differentiate the four types of blood.
- assess the significance of the Rh antigen.
- examine disorders of the blood.

**Lymphatic System and Immunity-** Students will be able to:

demonstrate knowledge of structure and function of the lymphatic system.

- state the lymphatic system's role in immunity.
- examine the lymphatic system, characterizing each component.
- distinguish lymph nodes.
- differentiate the role of the tonsils, spleen and thymus gland.
- compare types of immunity.
- define immunization, antigen, immunoglobulin and autoimmunity.
- examine the process of hypersensitivity/allergy development.
- determine the meaning, signs and treatment of anaphylaxis.
- distinguish the symptoms of AIDS.
- examine AIDS transmission and prevention.
- describe Standard Precautions.
- Examine diseases involving the lymphatic system.

**Respiratory System-** Students will be able to:

demonstrate knowledge of structure and function of the respiratory system

- list and describe common disorders associated with the respiratory system.
- examine the structure of the respiratory system.
- recognize the function of the respiratory system.
- identify the mediastinum.
- describe the breathing process.
- examine the role of the nervous system and chemical factors necessary for the control of breathing.
- differentiate four types of lung capacity volumes.
- distinguish types of respirations (i.e. apnea, dyspnea, eupnea, hyperpnea, orthopnea and tachypnea).
- characterize infectious and noninfectious disorders of the respiratory system.

**Gastrointestinal System-**Students will be able to:

demonstrate knowledge of the structure and function of the digestive system.

- list and describe common disorders associated with the digestive system.
- examine the structure and function of the digestive system including accessory organs.
- trace the digestive process through the alimentary canal.
- compare mechanical and chemical digestion.
- determine the action of enzymes on carbohydrates, fats and protein.
- recognize common disorders of the gastrointestinal system.

**Urinary System-**Students will be able to:

demonstrate knowledge of the structure and function of the urinary system.

- list and describe common disorders associated with the urinary system.
- examine structure and function of the urinary system.
- describe formation of urine by the nephron.
- differentiate chemical and nervous system control of urine secretion.
- recognize common disorders of the urinary system.

**Endocrine System-**Students will be able to:

demonstrate knowledge of the structure and function of the endocrine system.

examine glands of the endocrine system including the hormone secreted by each and their locations.

determine the negative feedback system in controlling the secretion of hormones.

recognize prostaglandins.

determine the causative factors for endocrine gland disorders.

recognize common disorders of the endocrine system.

common disorders associated with the endocrine system.

**Nervous System-** Students will be able to:

demonstrate knowledge of the structure and function of the nervous system.

- list and explain common disorders associated with the nervous system.
- examine the structure and function of the nervous system.
- assess main divisions of the nervous system.
- determine the function of the neuron.
- distinguish the parts of the neuron.
- examine the brain, describing the location and function of each area.
- examine the spinal cord, describing parts and function.
- identify cerebrospinal fluid and explain its circulation.
- assess disorders of the brain and spinal cord.
- distinguish characteristics and function of a mixed nerve.
- distinguish the function of the cranial and spinal nerves.
- examine the function of the sympathetic and parasympathetic nervous system.
- examine the simple reflex arc.
- recognize disorders of the central nervous system and peripheral nervous system.

**Sensory System-** Students will be able to:

demonstrate knowledge of the structure and function of the sensory organs.

- list and describe common disorders associated with the sensory organs.
- examine structure and function of sensory organs.
- determine parts of the eye and describe their function.
- trace a pathway of light from outside to the brain.
- determine parts of the ear and describe their function.
- trace the pathway of sound from outside the ear to the brain.
- evaluate disorders of the eye, ear and nose.
- examine the process associated with the sense of smell.

**Reproductive System-** Students will be able to:

define genetics

- examine genetically linked disorders.

- examine genetics, mutation and genetically linked disorders.
- identify two main types of mutation.
- characterize genetic counseling and engineering.

## **Module: Nutrition**

**This module will examine nutrition in relation to the maintenance and/or restoration of wellness. Topics**

**Gastrointestinal System-** Students will be able to:

- demonstrate knowledge of structure and function of the digestive system and accessory organs.
- examine the structure and function of the digestive system.
- distinguish the digestive and absorption processes.
- relate the function of enzymes in digestion.
- examine the roles of accessory organs in digestion.

**Metabolism-**Students will be able to:

- determine the process of metabolism and its role in the production of energy.
- compare anabolism and catabolism.
- interpret basal metabolic rate (BMR).
- calculate BMR given the formula and client scenarios.
- identify the factors that influence metabolic rate.

**Basic nutrition and food composition-** Students will be able to:

- examine nutrition including its relationship to physical well-being.
- determine the essential nutrients including their function and source.
- examine the basic chemical composition of fat, carbohydrates and protein.
- examine the function and storage of carbohydrates.
- compare simple and complex carbohydrates.
- examine the three categories of lipids including use and storage in the body.
- compare saturated, monounsaturated and polyunsaturated fats.
- examine cholesterol, differentiating between cholesterol made by the body and dietary cholesterol.
- evaluate the relationship between cholesterol and heart disease.
- compare LDL and HDL, focusing on their relationship to the risk of heart disease.
- determine how glucose is made available to the body.
- define amino acids.
- examine the function and storage of protein.
- correlate the significance between essential amino acids and complete protein.
- define calorie and compare the caloric values of carbohydrates, fat and protein.
- calculate individual minimum caloric requirement using the given formula.
- determine the function and source of vitamins and minerals in the body.
- distinguish between water-soluble and fat-soluble vitamins.
- evaluate the vitamin and mineral content of various foods.
- relate vitamin and mineral deficiencies to resulting diseases.

**Nutrition Guidelines-** Students will be able to:

- demonstrate knowledge of the food pyramid.
- examine the USDA's Food Guide and DASH Eating Plan.
- interpret food intake recommendation tables and Dietary Reference Intakes (DRI) tables.
- use food intake recommendation tables to create a balanced eating plan for selected client scenarios.
- determine nutritional requirements throughout various stages of life.
- relate the effects of culture and religion on nutrition.



**Regular Diet-** Students will be able to:

patient/client dietary requirements.

- USDA's nutritional and caloric recommendations.
- create a sample menu for a regular diet based on nutritional guidelines and caloric requirements.
- calculate the caloric value of the sample menu.
- calculate the nutritional value of the sample menu.
- analyze the information on food labels.
- use information on food labels to analyze meal plans.

**Therapeutic Diets-**Students will be able to:

demonstrate knowledge of therapeutic diets.

- explore the relationship of therapeutic diets to the physiology and pathology of the body.
- examine diet therapy.
- demonstrate the similarities and differences in a therapeutic diet and a balanced eating plan.
- determine common therapeutic diets and the rationale for their use.
- differentiate between food allergies and food sensitivities.

**Eating Disorders-**Students will be able to:

- examine types of eating disorders and corresponding symptoms.
- assess the factors that contribute to eating disorders.
- compare the methods of treatment for eating disorders.
- create a dietary plan for a patient with an eating disorder.
- explain treatments for eating disorders.

**Patient/client teaching** –Students will be able to:

- examine the healthcare professional's role in patient teaching regarding nutrition.
- determine a nutritional teaching plan based on USDA's dietary guidelines.
- analyze the factors that influence patient compliance.
- create a patient teaching plan for selected therapeutic diets.
- develop the communication skills necessary for effective patient teaching.