COURSE OUTLINE: ENP112 - MED-SURG NURSING

Prepared: Stephanie Collins, BN, RN
Approved: Bob Chapman, Chair, Health

Course Code: Title	ENP112: MEDICAL-SURGICAL NURSING
Program Number: Name	3044: ENHANCED PRACTICE
Department:	BSCN - NURSING
Academic Year:	2022-2023
Course Description:	This course will examine the pathophysiology of the many systems of the human body, in detail. Each module of the course will review the pathological processes of various illnesses along with the corresponding diagnostic tests, health assessments, medical treatments, and nursing interventions.
Total Credits:	3
Hours/Week:	3
Total Hours:	42
Prerequisites:	There are no pre-requisites for this course.
Corequisites:	There are no co-requisites for this course.
Vocational Learning Outcomes (VLO's) addressed in this course: **Please refer to program web page for a complete listing of program outcomes where applicable.**	**3044 - ENHANCED PRACTICE** VLO 1 Conduct comprehensive assessments to plan individualized care supporting health promotion and disease prevention in complex and non-routine patient environments. VLO 2 Integrate evidence-informed research, theory, and critical inquiry within the context of the Canadian health-care system to inform nursing practice and advance clinical judgement in the acute care setting. VLO 3 Model personal and professional responsibility, accountability, self-regulation, and ethical practice when caring for clients and their families to meet Canadian nursing regulatory standards, practices, and legislation. VLO 4 Communicate effectively with diverse populations and the healthcare team to form partnerships and improve health outcomes for individuals, families, groups and communities. VLO 5 Integrate and promote best practices and approaches in relation to the gerontological population within the Canadian healthcare system to plan and deliver nursing care in the acute care setting. VLO 10 Advocate for client, self and the nursing profession by implementing strategies to provide safe and quality nursing care in the acute care setting. VLO 11 Integrate principles and philosophy of end of life care to support the client and their families through the experience of death and dying.
Course Evaluation:	Passing Grade: 50%, A minimum program GPA of 2.0 or higher where program specific standards exist is required for graduation.

Books and Required Resources:

Lewis`s Medical-Surgical Nursing in Canada: Assessment and Management of Clinical Problems by Tyerman, J., Cobbett, S.
Publisher: Elsevier Edition: 5th
ISBN: 978-0-323-88195-1
eBook ISBN: 978-0-323-79157-1

Course Outcomes and Learning Objectives:

Course Outcome 1	Learning Objectives for Course Outcome 1
Review and assess student knowledge of he pathophysiology of the various systems in human body and review the pathological processes of various medical conditions along with the corresponding diagnostic tests, health assessments, medical treatments, and nursing interventions.	1.1 Explain the purpose, components and techniques of health history and physical examination. 1.2 Outline stress and stress management techniques and explain the role of the neurological and endocrine systems in the stress process. 1.3 Explain the stages of sleep and the various sleep disorders and the nursing management for sleep disorders. 1.4 Explain what pain is, the neural mechanisms of pain, the different types of pain, how to assess pain and the nursing management strategies for pain relief. 1.5 Explain the different types of head injury and the nursing management of patients with head injuries. 1.6Explain the physiological mechanisms that maintain normal intracranial pressure and outline the clinical signs and symptoms associated with increased ICP and the nursing interventions required. 1.7 Explain the incidence and risk factors for stroke and differentiate between ischemic and hemorrhagic stroke. 1.8 Outline the collaborative care, therapies, and nursing management for a patient with stroke. 1.9 Identify types of chronic neurological problems, the major goals of care for these problems and the nursing interventions for each. 1.10 Outline the clinical manifestations, collaborative care, and nursing management of spinal cord injury. 1.11 Explain the structures and functions of the respiratory system and the process that initiates and controls breathing. Outline the techniques used to assess the respiratory system. 1.12 Explain the gas exchange process within the lungs. 1.13 Outline the importance of arterial blood gas values and identify the signs and symptoms of inadequate oxygenation and nursing management of the patients exhibiting these signs. 1.14 Outline nurse management of a variety of upper and lower respiratory problems, including tracheostomies, pneumonia, COPD, and asthma. 1.15 Outline the hematological system, including structures and functions, hemostasis, and identify how to differentiate between normal and abnormal findings within this system. 1.16 Outline clinical manifestations, nursing management of anemias, thrombocytopenia, and clotting disorders. Explain the pathophysiology of these hematological problems. 1.17 Describe the anatomy and physiology of the cardiac system and explain the normal sequence of events involved in

		the conduction pathway of the heart and coronary circulation. 1.18 Assess appropriate and accurate techniques for cardiovascular assessments and differentiate normal versus abnormal findings. 1.19 Describe hypertension and the different classifications of hypertension. Explain prevention and treatment of/for hypertension. 1.20 Explain acute coronary syndrome and coronary artery disease. Describe the anatomy & physiology, risk factors, preventions and treatments involved with both ACS and CAD. 1.21 Explain the pathophysiology of heat failure, describe compensation versus non-compensation and select nursing interventions for patients in heart failure. 1.22 Discuss the electrocardiogram and describe the cardiovascular ailments that require ECG monitoring. Differentiate between normal sinus rhythm and some common dysrhythmias seen with ACS. 1.23 Differentiate between the need for cardioversion and defibrillation and describe nursing management of patients requiring these types of interventions. Describe nursing management of patients requiring temporary and permanent pacemakers, as well as implanted defibrillators. 1.24 Describe the anatomy and physiology of inflammatory heart disorders and explain the appropriate treatment and nursing interventions for affected patients. 1.25 Explain the anatomy and physiology of structural heart disorders, identify treatments and nursing interventions for affected patients. 1.26 Explain the pathophysiology of peripheral arterial disease, peripheral vascular disease and identify treatments, preventions, and nursing management interventions for both. 1.27 Outline the different structures and functions of the gastrointestinal system, the liver, gallbladder, biliary tract, and pancreas. 1.28 Outline the proper methods used for assessing the gastrointestinal system. 1.29 Explain the pathophysiology and nursing management of nutritional problems, upper and lower GI problems. 1.30 Explain the pathophysiology and nursing management of liver, pancreas, and biliary tract problems. 1.31 Explain the pathophysiology of the urinary and renal systems. 1.32 Explain the nursing and collaborative management of patients with problems of the urinary system, such as urinary tract infections, as well as care of patients with suprapubic and urethral catheters and nephrostomy tubes. 1.33 Outline the nursing management of patients with acute kidney injury and chronic kidney disease. 1.34 Differentiate between hemodialysis and peritoneal dialysis. 1.35 Explain the significance of cardiovascular disease in patients with chronic kidney disease.

		1.36 Outline the functions of the hormones secreted by the pituitary, thyroid, parathyroid, adrenal glands and the pancreas. Describe how hormone receptors work. 1.37 Explain the pathophysiology, clinical manifestations, collaborative care, and nursing management of patients with problems originating from the pituitary gland, thyroid, parathyroid, adrenal glands, and the pancreas. 1.38 Differentiate between Diabetes Type I and Diabetes Type II and outline the nursing management for patients with each type of Diabetes. 1.39 Explain the pathophysiology and nursing management of musculoskeletal problems including bone cancer, acute and chronic back pain and osteoporosis. 1.40 Differentiate between rheumatoid and osteoarthritis and the nursing management of each. 1.41 Outline the structures and functions of the integumentary system. Explain the normal and abnormal integumentary findings during assessment. 1.42 Explain the nursing management interventions for patients with integumentary problems. 1.43 Outline the causes and types of burns. 1.44 Explain the pathophysiological processes, clinical manifestations, complications, collaborative care, and nursing management for different types/classifications of burns. 1.45 Explain the fluid and electrolyte shifts associated with burns and identify the required close observation and nursing management.

Evaluation Process and Grading System:

Evaluation Type	Evaluation Weight
Final Exam	40%
Test #1	30%
Test #2	30%

Date: July 22, 2022

Addendum: Please refer to the course outline addendum on the Learning Management System for further information.