



Course Code NURS-105	Course Title Elements of Anatomy and Physiology	ECTS Credits 6
Prerequisites None	Department Life and Health Sciences	Semester Fall
Type of Course Required	Field Nursing	Language of Instruction English
Level of Course 1 st Cycle	Lecturer(s) Dr Edna Yamasaki Patrikiou	Year of Study 1 st
Mode of Delivery Face-to-face	Work Placement N/A	Co-requisites BIOL-110

Objectives of the Course:

The main objectives of the course are to:

- Cover a broad range of conditions concerning actual and potential health problems of adult patients / clients suffering from chronic and degenerative diseases requiring continuing care in hospital / clinical settings as well as in the community.
- Enable students to develop further knowledge and skills to care for these patients / clients.
- Explore pathogenesis and the causes, signs and symptoms will be discussed and the treatment modalities of these diseases
- Integrate with the principles of nursing to enable the planning of holistic, individualized patient care. Emphasis is on care not cure.

Learning Outcomes:

After completion of the course students are expected to be able to:

- Discuss the complexity of caring for those with chronic illness with emphasis on degenerative conditions
- Integrate theoretical knowledge from nursing, biological, psychological and social perspectives, in order to underpin nursing practice in continuing care.
- Practice with focus on a client / patient centered approach to maintain health across the lifespan and in chronic illness.
- Analyze and interpret all appropriate data to provide care.
- Analyze physiological changes that occur across the life span and apply this knowledge when planning care.
- Use critical thinking when making clinical judgment regarding the type of nursing care to be provided.

- Communicate effectively with other professionals when planning shared care.
- Analyze ethical issues and their impact on care.
- Analyze the application of nursing research as a basis for nursing practice and demonstrate commitment to the value of caring, competence and life-long learning.

Course Contents:

- Nursing: Continuing care definitions and principles. Therapeutic relationships. Evidence based care relating to chronic illness and continuing care; mobility, continence, feeding, hydration. Care of those with a variety of chronic illnesses e.g diabetes mellitus, CVA. Cognitive impairment, brain disorders, end stage renal failure, respiratory conditions (COPD) Dementia. Nursing those with cancer.
 - Communication: Communication challenges within the multi-disciplinary team. Communication with the dying and the bereaved
 - Biological perspectives: Biological basis of problems and care of patients with CVA.
 - Overview of degenerative brain disorders. The nature of cancer. Radiotherapy and chemotherapy. Chronic pain and related pharmacology.
 - Psycho-social Perspectives: Adaption to chronic illness. Continuing care and mental health / illness. Culture and the end of life.
 - Professional Practice: Compliance and non-compliance. Death and dying.
 - Conferencing: During conferencing the students will be discussing the fundamental knowledge and skills they must develop, with reference to specific examples and as to how this knowledge is applied to practice settings.
 1. Care of those with impaired mobility.
 2. Evidence based symptom management.
 3. Loss associated with life style changes.
 4. Care of the dying and palliative care.
 5. Managing practice in shared care.
 6. Use of informatics in research.
 7. Evaluation of care.
- Health, recreation, education and exercise in continuing care.

Learning Activities and Teaching Methods:

Lectures, Clinical Cases, Practical Exercises and Assignments

Assessment Methods:

Laboratory Practical Sessions, Tests, Final Examination

Required Textbooks / Reading:

Title	Author(s)	Publisher	Year	ISBN
Anatomy, Physiology, and Pathophysiology for Allied Health	Booth, KA and Wyman, TD	McGraw-Hill	2009	978-0-07-337395-9

Recomended Textbooks / Reading:

Title	Author(s)	Publisher	Year	ISBN
Fundamental Principles of Anatomy and Physiology	Martini F.	Prentice Hall	2008	0805359338
Berne and Levy Principles of Phsyiology	Levy Matthew, Koeppen, Bruce Stanton, Bruce	Elsevier	2005	9780323031950