

COURSE DESCRIPTION

(1) GENERAL

SCHOOL	Health Sciences		
DEPARTMENT	Nursing		
LEVEL OF STUDIES	Undergraduate		
COURSE CODE	0805.6.015.0	SEMESTER	6 th
COURSE TITLE	Cardiovascular Disease Nursing		
SELF-ENDED TEACHING ACTIVITIES		TEACHING HOURS/ WEEK	CREDIT UNIS (ECTS)
Theory		2	
Coaching School		1	
Total		3	3
COURSE TYPE	Compulsory		
PREREQUISITE COURSES	No		
LANGUAGE OF TEACHING and EXAMINATION	Greek		
THE COURSE IS OFFERED TO ERASMUS STUDENTS	No		
Website	https://eclass.hmu.gr/courses/NURS274/		

(2) LEARNING OUTCOMES

Learning outcomes
<p>The aim of the course is for the students to acquire knowledge and skills regarding the holistic nursing care of patients with cardiovascular health problems, the management of acute and chronic cardiovascular disease, as well as its prevention.</p> <p>After completing the course the students will be able to:</p> <ul style="list-style-type: none"> ● understand the pathophysiology of cardiovascular diseases in humans ● recognize the needs and problems of patients with the main cardiovascular diseases ● know the main drugs that affect the cardiovascular system ● apply documented medication administration, understanding their indications, contraindications and side effects ● apply specialized nursing care to patients for the main cardiovascular diseases ● implement hemodynamic monitoring of patients in an invasive and non-invasive way ● apply cardiovascular disease prevention principles at all stages (primary, secondary, tertiary prevention)
General Skills
<p>The course aims to acquisition of the following general skills:</p> <ul style="list-style-type: none"> ● autonomous working skills ● provision of independent and critical thinking ● Decision making ● Work in an interdisciplinary environment ● Respect for diversity and multiculturalism ● Demonstration of social, professional and ethical responsibility and sensitivity to gender issues ● Promotion of free, creative and inductive thinking

(3) COURSE CONTENT

1st week	Electrocardiogram data and recognition of basic ECG abnormalities
2nd week	Nursing management of electrocardiographic disorders
3rd week	Continuous monitoring and special catheterizations in cardiology intensive care units.
4th week	Special diagnostic tests in the cardiovascular system. Preparation and care planning of patients undergoing invasive cardiac tests (Axial, Magnetic Scintigraphy, Fatigue Test, Holter)
5 th week	Specialized nursing care of patients with heart infections (peri-myocarditis)
6 th week	Specialized nursing care of patients with coronary artery disease - OEM
7th week	Specialized Nursing Care of Patients with Coronary Artery Bypass and Device Implantation
8 th week	Specialized nursing care of patients with arterial hypertension
9th week	Specialized nursing care of patients with valvular diseases
10th week	Specialized nursing care of patients with aortic aneurysms
11th week	Specialized nursing care of patients with heart failure
12th week	Metabolic syndrome - Cardiovascular risk assessment
13th week	Health education for cardiovascular diseases - Cardiac rehabilitation
Course content – Outline of Tutorial	
1st week	Implementation of real ECG. Rough EKG reading by nurses. Advanced ECG recognition of disturbances using monitor simulation. Case study
2nd week	Implementation of real ECG. Rough EKG reading by nurses. Advanced ECG recognition of disturbances using monitor simulation. Case study
3rd week	Implementation of real ECG. Rough EKG reading by nurses. Advanced ECG recognition of disturbances using monitor simulation. Case study
4th week	Implementation of real ECG. Rough EKG reading by nurses. Advanced ECG recognition of disturbances using monitor simulation. Case study
5 th week	Implementation of real ECG. Rough EKG reading by nurses. Advanced ECG recognition of disturbances using monitor simulation. Case study
6 th week	Ultrasound-guided CSF catheterization with the Seldinger technique.
7th week	Catheterization for PICC placement in a simulated environment
8 th week	Ultrasound-guided CSF catheterization with the Seldinger technique.
9th week	Catheterization for PICC placement in a simulated environment
10th week	Ultrasound-guided CSF catheterization with the Seldinger technique.
11th week	Catheterization for PICC placement in a simulated environment
12th week	Ultrasound-guided CSF catheterization with the Seldinger technique.
13th week	Catheterization for PICC placement in a simulated environment

(4) TEACHING and LEARNING METHODS - EVALUATION

TEACHING METHOD	<ul style="list-style-type: none"> • Traditional lectures using PowerPoint software. • Questions and answers for students. • Case Study • Practice in using ECG and tools
USE OF INFORMATION AND COMMUNICATION TECHNOLOGIES	<p>Use of the e-class electronic platform to store presentations in digital format for easy access by students</p> <p>Communication with students on issues related to the educational process through the same platform</p> <p>View video in digital format</p> <p>Using powerpoint slides</p> <p>Simulation Practice</p>

TEACHING ORGANIZATION	Activity	Workload of semester
	Lectures	39
	Self ended study	25
	Preparation, examination	26
	Total	90
STUDENT EVALUATION	Language of assessment: Greek Method of assessment: 70% from a written final exam 30% from coaching part with orally or written or exercise	

(5) RECOMMENDED BIBLIOGRAPHY (into Greek language)

- **Νόσοι της Καρδιάς και νοσηλευτική φροντίδα, Ολιστική Προσέγγιση.** Μπροκαλάκη-Παναουδάκη Ηρώ, ISBN: 978-960-7875-83-9, Εκδόσεις: ΛΑΓΟΣ ΔΗΜΗΤΡΙΟΣ