

## COURSE DESCRIPTION

### (1) GENERAL

<b>ΣΧΟΛΗ</b>	Health Sciences		
<b>ΤΜΗΜΑ</b>	Nursing		
<b>LEVEL OF EDUCATION</b>	Undergraduate		
<b>COURSE CODE</b>	0805.6.001.0	<b>STUDY SEMESTER</b>	6 <sup>th</sup>
<b>COURSE TITLE</b>	Intensive Nursing Care		
<b>SELF-ENDED TEACHING ACTIVITIES</b>	<b>TEACHING HOURS/ WEEK</b>	<b>CREDIT UNIS (ECTS)</b>	
Theory	3		
Coaching School			
Clinical exercise	4		
<b>Total</b>	7	7	
<b>COURSE TYPE</b>	Compulsory		
<b>PREREQUISITE COURSES</b>	No		
<b>LANGUAGE OF TEACHING and EXAMINATION</b>	Greek		
<b>THE COURSE IS OFFERED TO ERASMUS STUDENTS</b>	No		
<b>Website</b>	<a href="https://eclass.hmu.gr/courses/NURS252/">https://eclass.hmu.gr/courses/NURS252/</a>		

### (2) LEARNING OUTCOMES

<b>Learning outcomes</b>
<p>The aim of the course is the understanding of the special concepts and the clinical training of the students in the field of Intensive Care Nursing with particular emphasis on the holistic care of the critically ill patient with serious and life-threatening health problems.</p> <p>After completing the course the student should:</p> <ul style="list-style-type: none"> <li>• has a comprehensive understanding of what is involved in monitoring and caring for a patient in the intensive care unit (ICU)</li> <li>• identifies and prioritizes the respiratory, cardiovascular, metabolic and nutritional needs of the patient in the ICU</li> <li>• recognize the types of mechanical support in the ICU</li> <li>• evaluates and establishes basic care protocols for critically ill patients</li> <li>• applies critical thinking to solve complex problems in critically ill patients.</li> <li>• realizes that he must base his thinking on documented knowledge.</li> <li>• understands the meaning of the team in the intensive care unit and how he fits into it.</li> </ul>
<b>General Skills</b>
<p>The course aims to acquire the following general skills:</p> <ul style="list-style-type: none"> <li>• Search, analysis and synthesis of data and information, using the necessary technologies</li> <li>• Adaptation to new situations</li> <li>• Decision making</li> <li>• Autonomous and team work</li> <li>• Work in an international environment</li> <li>• Work in an interdisciplinary environment</li> <li>• Generation of new research ideas</li> <li>• Project planning and management</li> </ul>

- Respect for diversity and multiculturalism,
- Demonstration of social, professional and ethical responsibility and sensitivity to gender issues, Exercise of criticism and self-criticism,
- Promotion of free, creative and inductive thinking

### (3) COURSE CONTENT

1st week	Organization & Management of Intensive Care Units (ICU)
2nd week	Monitoring of Patients in ICUs
3rd week	Disorders of Water, Sodium, Potassium Homeostasis and Acid-Base Balance
4th week	Clinical application and evaluation of Blood Gases
5th week	Analgesia Sedation Muscle paralysis in ICU
6th week	Mechanical Support of Breathing
7th week	Management of Respiratory Problems in the ICU
8th week	Management of Cardiovascular problems in the ICU
9th week	Management of urinary problems in the ICU
10th week	Management of Shock & SIRS and Sepsis in the ICU
11th week	Management of Neurological problems in the ICU
12th week	Management of Multiple Trauma and Brain Death in the ICU
13th week	Management of other problems that require Intensive Monitoring
<b>Course content – Outline of Tutorial – Clinical Practice</b>	
1st week	Tour and introduction to the ICU areas
2nd -13th week	Design and implementation of monitoring Fluid and electrolyte management - serum enrichment - corrections etc Obtaining and evaluating Blood Gases Design and implementation of care plans in clinical problems Administration of drugs by all routes Design and implementation of mechanical respiratory support (invasive or non-invasive) Patient care Monitor placement of central venous and arterial lines Maintenance of central lines Care of bedsores - burns, etc. Tracheobronchial suction Specialized emergency response

### (4) TEACHING and LEARNING METHODS - EVALUATION

<b>TEACHING METHOD</b>	<b>THEORY</b> Traditional lectures using PowerPoint software. Dialogue - Brainstorming Case studies Questions and answers for students. <b>CLINICAL PRACTICE</b> Practice in ICU, ER, CCU, PACU, Renal Failure Unit, etc.		
<b>USE OF INFORMATION AND COMMUNICATION TECHNOLOGIES</b>	Use of the e-class electronic platform to store presentations in digital format for easy access by students. Communication with students on issues related to the educational process through the same platform. View video in digital format. Using powerpoint slides. Often communication with students about the educational procedure.		
<b>TEACHING ORGANIZATION</b>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;"><b>ACTIVITY</b></td> <td style="width: 50%;"><b>WORKLOAD OF SEMESTER</b></td> </tr> </table>	<b>ACTIVITY</b>	<b>WORKLOAD OF SEMESTER</b>
<b>ACTIVITY</b>	<b>WORKLOAD OF SEMESTER</b>		

	Lectures	39
	Clinical Practice	52
	Self ended study	60
	Preparation, examination	59
	<b>Total</b>	<b>210</b>
<b>STUDENT EVALUATION</b>	Language of assessment: Greek Method of assessment: 100% from a written final exam with question from the theoretical and clinical framework Prerequisite: the successful completion of the students' visits in hospital.	

**(5) RECOMMENDED BIBLIOGRAPHY (into Greek language)**

<ul style="list-style-type: none"> <li>● Κλινική Πνευμονολογία &amp; Εντατική Θεραπεία, Τόμος 3, Συγγραφείς Albert R., Slutsky A., Ranieri V., Takala J., Torres A., Εκδόσεις BROKEN HILL PUBLISHER LTD</li> <li>● Μονάδα Εντατικής Θεραπείας Συγγραφείς: Paul L. Marino Εκδόσεις ΛΑΓΟΣ ΔΗΜΗΤΡΙΟΣ</li> <li>● Επείγουσα Νοσηλευτική - ΜΕΘ, Marianne Saunorus Baird, Janet Hicks Keen, Pamela L. Swearingen, Εκδόσεις ΒΗΤΑ</li> </ul>
-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------