

## Anaesthesiology Nursing

SCHOOL			
SCHOOL		SCHOOL OF HEALTH SCIENCES	
DEPARTMENT		NURSING DEPARTMENT	
LEVEL OF EDUCATION		UNDERGRADUATE- (bachelor's degree)	
LESSON CODE	0805.5.006.0	SEMESTER	5th
COURSE TITLE		NURSE ANAESTHESIOLOGY	
SELF-ENDED TEACHING ACTIVITIES		TEACHING HOURS/WEEK	CREDITS
Theory		2	
Tutoring		1	
Practical Workshop			
Clinical Placement			
Total		3	3
COURSE TYPE:		COMPULSORY	
PREREQUISITE COURSES:		NO	
LANGUAGE (S) OF INSTRUCTION/EXAMINATION:		Greek	
THE COURSE IS OFFERED TO ERASMUS STUDENTS:		NO	
ELECTRONIC COURSE PAGE:		<a href="https://eclass.hmu.gr/courses/NURS210/">https://eclass.hmu.gr/courses/NURS210/</a>	
Learning Results			
<p>The purpose of the course is to introduce students to the basic principles of Nurse Anaesthesiology, so that they are able to cope with the needs of nursing care as members of the anaesthesia team by participating in all perioperative activities, including post-anaesthesia care.</p> <p>After completing the course successfully students will be able to:</p> <ul style="list-style-type: none"> <li>• recognize and understand the basic principles of Nurse Anaesthesiology</li> <li>• recognize and understand the basic principles of full monitoring</li> <li>• recognize and understand the basic principles of endotracheal intubation and airway management techniques in general</li> <li>• apply the basic principles of Nurse Anaesthesiology to meet the needs of nursing care as members of the anaesthesia team</li> <li>• plan and implement the nursing interventions related to this field perioperatively</li> <li>• apply the basic principles of Nurse Anaesthesiology in postanaesthesia care</li> <li>• apply these principles in clinical practice</li> </ul>			
General Skills			
Adaptation to new situations, Decision making, Autonomous work, Working in an interdisciplinary environment, Project planning and management			

Course content - Theory outline	
1 <sup>st</sup> week	History of Nurse Anaesthesiology - Basic Principles of Anaesthesiology and Nurse Anaesthesiology
2 <sup>nd</sup> week	Anaesthetic machine and anaesthetic equipment
3 <sup>rd</sup> week	Preoperative control – Nursing history in anesthesia
4 <sup>th</sup> week	Basic principles of ventilation and oxygenation – Ambu device, bag-valve-mask system
5 <sup>th</sup> week	Endotracheal intubation
6 <sup>th</sup> week	Laryngeal mask - Difficult airway management – Endotracheal intubation with fiberoptic
7 <sup>th</sup> week	Pre-anaesthesia - Introduction to anaesthesia - Anaesthetic drugs - Muscle relaxant drugs - Analgesic drugs
8 <sup>th</sup> week	Complications from anaesthesia (bronchospasm/laryngospasm, hypoxia, hypotension /hypertension, nausea/vomiting, hypothermia/postoperative shivering, malignant hyperpyrexia)
9 <sup>th</sup> week	Catheterization of central veins and arteries
10 <sup>th</sup> week	Full monitoring
11 <sup>th</sup> week	Local anaesthesia – Peripheral nerve blocks
12 <sup>th</sup> week	Regional anaesthesia
13 <sup>th</sup> week	Postanaesthetic care unit - Postoperative analgesia
Course content - Coaching school Theory outline	
1 <sup>st</sup> – 13 <sup>th</sup> week	Aspiration of bronchial secretions. Airway management I (head controls/equipment), mask ventilation. Endotracheal intubation – Endotracheal intubation /Laryngeal mask set preparation. Drugs /solutions, Anaesthesia room skills (managing patient warmers, blood warmers, arterial line catheterization), video demonstration. Scenario of anaesthesia patient in the operating room - case study. Epidural and intrathecal regional analgesia set.
TEACHING and LEARNING METHODS - EVALUATION	
<b>TEACHING METHOD</b>	Traditional lectures using power point software.
<b>USE OF INFORMATION AND COMMUNICATION TECHNOLOGIES</b>	Use power point slides. View video in digital format. 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.
<b>TEACHING ORGANIZATION</b>	<b>Activity Semester Workload</b> Lectures (total 13X2) 90 Tutoring (total 13X1) Total course: 39 hours
<b>STUDENT EVALUATION</b>	<b>Theoretical part of the course</b> 70% from a written final exam (Multiple Choice Test/Short Answer Questions/Questions) <b>Tutoring part of the course</b> 30% from a final oral exam of skills

**RECOMMENDED BIBLIOGRAPHY (into Greek language)**

- Miller R.D. Αναισθησιολογία. Εκδόσεις Broken Hill Publishers LTD, Αθήνα 1η Έκδοση 2015
- Paul L. Marino, Μονάδα Εντατικής Θεραπείας, ΛΑΓΟΣ ΔΗΜΗΤΡΙΟΣ
- NAEMT, PHTLS - Prehospital Trauma Life Support, ΛΑΓΟΣ ΔΗΜΗΤΡΙΟΣ
- Simpson P., Popat M. Κατανοώντας την Αναισθησιολογία. Εκδόσεις Broken Hill Publishers LTD, Αθήνα 1<sup>η</sup> Έκδοση 2017