

Course Title	<b>Anesthesiology Nursing</b>				
Course Code	<b>NURS311</b>				
Course Type	Compulsory				
Level	BSc (Level 1)				
Year / Semester	3 <sup>rd</sup> / Fall				
Instructor	Dr Eleni Kletsiou				
ECTS	4	Lectures / week	2	Laboratories/ week	
Course Purpose	<p>The aim of the course is to provide the students with the opportunity to gain knowledge and understanding of the theory of anesthesiology nursing in relation to the basic principles of general anaesthesia and airway management and to apply that knowledge and understanding in practice within the operating theatres and in the clinical settings where patients are prepared for surgery and/or are recovering from surgery. The student will also gain opportunities to integrate psychology, pathophysiology, pharmacology, monitoring and pain management with holistic anaesthetic nursing care.</p>				
Learning Outcomes	<p>By the end of the course, students should be able to:</p> <ul style="list-style-type: none"> <li>- Demonstrate application of knowledge and understanding of physiological responses to anaesthetic and peri-operative procedures.</li> <li>- Demonstrate safe and skilled support for the anaesthetist during general and regional anaesthesia.</li> <li>- Demonstrate safe and skilled support for the anaesthetist to ensure management of/minimizing risk to the patient's airway.</li> <li>- Assess, plan, implement and evaluate individualized and holistic care of patients, during preparation for surgery, induction of anaesthetic, while anaesthetized and while recovering from the anaesthetic.</li> <li>- Enhance the emotional wellbeing of patients and families coping with surgery, utilizing skills of therapeutic communication.</li> <li>- Monitor patient recovery to ensure early detection and treatment of any complication and/or deterioration in their condition and initiate treatment/referral to relevant member of the clinical team.</li> <li>- Utilize evidence-based pain assessment tools to ensure effective pain monitoring and control.</li> </ul>				
Prerequisites	None	Co-requisites	None		
Course Content	- Introduction and Historical Data in Anesthesiology and Anaesthetic				

	<p>Nursing.</p> <ul style="list-style-type: none"> <li>- Anesthesiology Nurse: Education, Role, Duties, Responsibilities,</li> <li>- Types and Methods of Anesthesia: General Anesthesia, Local Anesthesia, Epidural, Medications.</li> <li>- Nursing Anesthetic Care: Pre-anesthetic, Peri-anesthetic, Post-anesthetic - Rehabilitation Room, Assessment - Planning - Intervention and Evaluation of the care provided</li> <li>- Anesthesia Equipment: Anesthesia Machine, Ventilator and Mechanical Ventilation, Injection Pumps, Equipment Adequacy and Maintenance Check.</li> <li>- Measures to prevent and spread infections in the Surgery and Recovery Room</li> <li>- Patient monitoring</li> <li>- Airway Management and Mechanical Ventilation</li> <li>- Cardiopulmonary Resuscitation and Defibrillation</li> <li>- Intravenous fluid and electrolyte</li> <li>- Stress management and psychological support</li> <li>- Pain</li> <li>- Organization of the Nursing Anesthesiology Department</li> </ul>
Teaching Methodology	<p>The course is delivered to the students through lectures, using computer-based presentations programmes. Case Studies, Discussion, Questions / Answers are also used depending on the content of the lecture. Lecture notes and presentations are available online for use by students in combination with textbooks. Relevant material published in international scientific journals are also used to follow the latest developments related to the subject of the course.</p>
Bibliography	<p><b>(a) <u>Textbooks:</u></b></p> <p>Simpson, P. &amp; Mansukh, P. (2017). <i>Κατανοώντας την Αναισθησιολογία</i>. BrokenHill</p> <p>Elisha, S., Heiner, J. S. &amp; Nagelhout, J. J. (2022). <i>Nurse Anesthesia</i>, 7th Edition. Elsevier</p> <p><b>(b) <u>References:</u></b></p> <p>Chu, L. F., Traynor, A. J., &amp; Kurup, V. (2020). <i>Manual of Clinical Anesthesiology</i>. LWW.</p> <p>Ehrenwerth, J., Eisenkraft, J. B., &amp; Berry, J. M. (2020). <i>Anesthesia Equipment: Principles and Applications</i>. Elsevier - Health Sciences Division.</p> <p>Marshall, A., Aitken, L., &amp; Chaboyer, W. (2019). <i>Critical Care Nursing</i>. Elsevier - Health Sciences Division.</p> <p>Ασκητοπούλου, Ε. &amp; Παπαϊωάννου, Α. (2015). <i>Εγχειρίδιο Αναισθησιολογίας &amp; Περιεγχειρητικής Φροντίδας</i>. Έκδοση: ΣΕΑΒ, ΚΑΛΛΙΠΟΣ</p>

	<p><i>Through the services of the university library, access is provided to electronic repositories of scientific journals and articles, indicatively <b>ProQuest, Cambridge University Press</b> and <b>Science Direct</b> with thousands of scientific journals in the fields of health sciences.</i></p>
Assessment	<p>The assessment of the course consists of the coursework (midterm exam, laboratory assessment, clinical practise assessment) and final exam.</p> <p><b>Mid-Term Exam: 40%.</b> A written midterm exam will be comprised by multiple choice questions, short answer and open questions.</p> <p><b>Student participation: 10%.</b> Participation in the classroom includes educational assessments with interactive problem-solving questions.</p> <p><b>Written Final Exam: 50%.</b> A written final exam will be comprised by multiple choice questions, short answer and open questions.</p>
Language	Greek / English