

**23. INTENSIVE CARE AREA NURSING IN THE ADULT PATIENT<sup>i</sup>**

Level I

**Department of Health Sciences (DSS)**

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<b>Practical-professional profile of the course and industry sector of reference</b>	<p>The Course is aimed at training intensive care nurses with specialized skills in the management of critical situations and vital instability in the adult patient in the hospital setting, capable of operating safely in general and specialized intensive care settings based on scientific evidence, with the acquisition of technical skills in the use of complex technologies. The Course also aims to promote the development of skills in planning and evaluating nursing processes in the critical care area, methodological skills in nursing research, interpersonal skills in emotionally complex situations, and the evaluation and consideration of ethical and legal aspects involved in nursing situations.</p> <p>The main contents of the course cover nursing assessment, planning, management, and evaluation of nursing care for a critically ill adult patient admitted to the intensive care unit, monitoring of vital functions, interpretation of signs of clinical deterioration, and management of emergencies in the hospital setting. Specific insights will be devoted to quality of care and risk management, nursing research, non-technical skills, and ethical aspects peculiar to the intensive care setting.</p> <p>The nurse holding this level 1 Master diploma in intensive care finds employment in hospital settings, in public and private facilities, in general, and in specialty intensive care units (respiratory, neurosurgical, cardiothoracic, post-surgical, trauma)</p> <p>To this end, the training activities will consist of 360 hours of theoretical lectures, 65 hours of workshops, and 210 observational internships aimed at developing the skills offered by the Master Course</p> <p>At the end of the Course, learners will have acquired the following skills:</p> <ul style="list-style-type: none"><li>• Perform nursing assessments on the critical patient and identify related clinical problems and care priorities in the ICU</li><li>• Plan, manage, and evaluate nursing care for the patient with unstable or critically life-threatening conditions</li><li>• Communicating with the assisted person concerning his or her perceptual and expressive abilities</li><li>• Relate to and emotionally support the caregiver and his or her family members</li><li>• Identify the principles and operating methods of risk management in the critical care area</li><li>• Develop quality of care improvement projects in the ICU operating environment</li><li>• Develop the ability to identify research questions and conduct a literature search focused on the intensive care area</li><li>• Develop methodological skills in developing a research project and interpreting the results of scientific research</li></ul>

	<ul style="list-style-type: none"> <li>• Develop methodological skills inherent in the development of quality care improvement projects in the ICU</li> <li>• Providing specialized care for people with severe organ failure undergoing pharmacological or device-based life-function support, including extracorporeal ones.</li> <li>• Perform invasive and/or noninvasive instrumental monitoring of vital (neurological, respiratory, hemodynamic) and organ functions in the ICU and interpret the results for clinical care purposes</li> <li>• Managing infection risk in the person undergoing intensive care</li> <li>• Provide nursing care during intra- and inter-hospital transport of the critically ill person</li> <li>• Assess pain in the person with altered consciousness and provide active palliative care support in the ICU</li> <li>• Managing emergencies in the intrahospital setting</li> <li>• Analyze the legal and ethical aspects related to informed consent and Advance Treatment Arrangements</li> <li>• Recognizing one's own experiences in dealing with emergencies and facing death</li> <li>• Planning for continuity of care at the time of discharge</li> <li>• Educating the caregiver and family members on post-acute management</li> </ul>
<b>Access prerequisites</b>	Bachelor's degree obtained in accordance with the system under Ministerial Decree No. 270/2004 or Ministerial Decree No. 509/1999 in Nursing - L/SNT1 Class of Degrees in Nursing and Midwifery Health Professions, or equivalent degrees under Law No. 1/2002 or Law No. 240/2010, provided they are combined with a high school diploma.
<b>How the admission procedure takes place</b>	Selection by academic qualifications
<b>Duration</b>	10 months
<b>Teaching methods</b>	Blended teaching mode (in-person/synchronous remote, on Moodle platform)
<b>Language of instruction</b>	Italian (possibility of delivery of some content in English)
<b>Attendance requirements</b>	Attendance is mandatory for 75% of the total hours of the Course.
<b>Location of the Course</b>	Morgagni Campus, or another location also at the University of Florence, and classrooms at the Careggi Hospital
<b>Foreseen lecture schedule</b>	Classes will be held every other week with a summer break. Classes will be scheduled on weekdays, excluding holidays and pre-holidays, with both morning and afternoon attendance.
<b>Examinations procedures and schedule</b>	The assessment of educational activities consists of examinations with a grade expressed in thirtieths and possible mention of honors or with a pass/fail grade in some cases. As a rule, the examination for each module will take place during the month following the end of classes scheduled for that module.
<b>Final examination</b>	The final examination consists of the presentation of a paper.

<b>Available places and enrolment fees</b>	
<b>Full-fee students</b>	
<b>Minimum number</b>	14 <sup>1</sup>
<b>Maximum Number</b>	30
<b>Enrolment fee</b>	€2,300
<b>Free-of-charge supernumerary places</b>	
<b>AOU Careggi Employees</b>	2
<b>USL Toscana Centro Employees</b>	1
<b>Single Modules</b>	
None planned	

<b>Description of the activities and training objectives of the internship</b>	<p>The observational internship involves achieving the following objectives:</p> <ul style="list-style-type: none"> <li>▪ Manage logistical and proactive aspects of nursing care in the ICU</li> <li>▪ Monitor and support respiratory function (A &amp; B - Airways &amp; Breathing)</li> <li>▪ Monitor and support cardiovascular function (C - Circulation)</li> <li>▪ Monitor and support cognitive and neurological function (D - Disability)</li> <li>▪ Manage enteral nutrition, elimination, presence of probes, drains, and intracavitary monitoring (D - Drainages)</li> <li>▪ Monitor and manage issues related to skin, thermal, bone, and neurovascular status (E - Exposure)</li> <li>▪ Facilitate communication and implement therapeutic education (E - Education)</li> <li>▪ Managing early positioning and mobilization (F - Fair positioning)</li> <li>▪ Implementing humanization of care interventions and fostering the care of family members (F - Family Members and Significant Others)</li> <li>▪ Managing infection risk (I - Infection)</li> <li>▪ Manage care planning in specialized intensive care units</li> <li>▪ Deliver nursing care within the multidisciplinary team during the performance of major procedures</li> <li>▪ Deliver nursing care during specific organ support and diagnostic-therapeutic interventions</li> </ul> <p>Observational activity. 275 total hours of internship.</p>
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<sup>i</sup> This document is a translation of the form A.1 relating to the characteristics of the course attached to the Decree of the Deputy number 873 (record 158006) of 25th of July 2022, drafted in Italian and issued on the Master | Didattica | Università degli Studi di Firenze | UniFI and which therefore constitutes the only official document. This English translation cannot be used for legal purposes and has the sole purpose of supplying information in English on the content of the public notice.

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<sup>i</sup> As modified with the Degree n. . 252 (record. 48346) of 3<sup>rd</sup> March 2023