# 87. CLINICAL NEUROPHYSIOPATHOLOGY IN CRITICAL AREA AND INTENSIVE CARE

**Department of Experimental and Clinical Biomedical Sciences "Mario Serio" (DSBSC)**

<table>
<thead>
<tr>
<th>Course coordinator</th>
<th>Francesco Lolli</th>
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<tr>
<td>Executive Committee</td>
<td>Francesco Lolli, Mario Mascalchi, Guido Mannaioni, Diego Minciacchi, Alessandro Della Puppa</td>
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</tbody>
</table>

**Contact person for information regarding teaching organization, class schedule, and course content**

Francesco Lolli 0552758420 francesco.lolli@unifi.it

**Practical-professional profile of the course and industry sector of reference**

The course intends to address the technical-diagnostic neurophysiopathological aspects of the critical area and the ICU both in their practical aspect (neurophysiopathology technicians) and medical, theoretical and diagnostic (medical graduates). The topics range from basic topics such as neuroanatomy and clinical pharmacology to the pathophysiology of disorders of consciousness, neurophysiological methods in the ICU (adult and neonatal), post-anoxic, post-traumatic and vascular coma, neuro-muscular/septic dysmetabolic encephalopathy, encephalic death, diagnostic/prognostic evaluation. The course is aimed at graduates in medicine and surgery and neurophysiopathology technicians.

**Admission qualifications**

First level degree obtained in L/SNT3 Class of degrees in technical health professions in neuro-physiopathology techniques; Single-cycle master’s degree obtained according to the regulations ex D.M. n. 270/2004 or pursuant to Ministerial Decree n. 509/1999 or previous regulations in LM-41 Medicine and Surgery

**Admission procedure**

Selection based on qualifications

**Duration**

10 months

**Teaching methods**

Presence/distance lessons

**If remote or mixed mode is proposed, specify: synchronous, asynchronous, platforms that are available they intend to use**

Synchronous mode with use of Googlemeet for 25% of frontal teaching activities

**Language the course will be delivered in**

Italian

**Attendance requirement**

Presence for 80% of frontal activities and internship

**Course location**

Plesso didattico Morgagni, viale Morgagni 40, Firenze Azienda Ospedaliero Universitaria di Careggi, Largo Brambilla 3, Firenze

**Foreseen lecture days**

Lessons are divided into 4 days per week including Saturday

**Exam procedure and schedule**

Two annual sessions
Exclusively observational internship in neurophysiopathology activities for 8 credits (200 hours)

**Final examination**
At the end of the course there is a final test which consists of:
- presentation of a paper

**Number of available places and enrolment fees**

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<tr>
<th>Description</th>
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<tr>
<td><strong>Full-fee students</strong></td>
<td></td>
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<tr>
<td>Minimum no. of places</td>
<td>8</td>
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<tr>
<td>Maximum no. of places</td>
<td>15</td>
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<tr>
<td>Enrolment fee</td>
<td>1500 euro</td>
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As per DR n. 1303 prot. prot. 281134 of 21 November 2023, n. 10 scholarships to reimburse the registration fee to those enrolled in the master’s program who are employees of the Tuscan Health System and awarded based on the following criteria:
- To the first 10 classified (employees of the Tuscan Healthcare System) in the final ranking at the end of the master's degree;
- In case of equal merit, the minor age of the students (employees of the Tuscan Health System) who completed the master's degree is considered.

**Single modules**

No single module foreseen

**Description of traineeship activities and training objectives**
Exclusively observational internship in neurophysiopathology activities for 8 credits (200 hours)