# Article 1 - Type

The University of Pavia is offering, for the academic year 2024/25, the advanced course in "Tropical Medicine and Point-of-Care Ultrasound.

An Integrated Approach" at the DEPARTMENT OF CLINICAL-SURGICAL, DIAGNOSTIC AND PEDIATRIC SCIENCES.

Edition: 2

Field of Affiliation: HEALTHCARE AREA

# **Article 2 - Educational Objectives and Career Prospects**

The Advanced Training Course aims to familiarize participants with diagnostic techniques used to identify various diseases related to tropical medicine, with particular emphasis on the use of point-of-care methods such as ultrasound. The course is designed to train participants to work in resource-limited settings.

The course is designed for healthcare professionals working in tropical medicine and global health cooperation, with a particular focus on physicians and surgeons. The skills acquired will be beneficial for professionals operating both in Italy and abroad, especially in resource-limited countries. Graduates will be able to diagnose and treat infectious and communicable diseases, with targeted knowledge for managing these conditions in resource-constrained settings. Therefore, the course is intended for healthcare professionals interested in gaining international experience, particularly in global health cooperation contexts.

## **Article 3 - Curriculum**

The Advanced Course normally has a duration of no more than one year and includes a total of 350 hours, structured according to the table below.

The set of planned educational activities corresponds to the acquisition of 14 university educational credits (CFU) by the enrolled students.

The teaching modules are organized as follows and will be conducted in English.

Name	SSD	Language	IPL (h)	STD (h)	OL (h)	EX (h)	Tot (h)	ECTS
	MED/17   Infectious Diseases	English	0	64	20	16	100	4
Parasitic Infections in which POCUS has a relevant role	Content: Filariasis Echinococcosis Ascariasis Urinary Schistosomiasis Intestinal Schistosomiasis Migrant larvae Leishmaniasis Chagas Disease Amebiasis Miscellaneous Malaria							
Bacterial Infections in which POCUS has a relevant role	MED/17   Infectious Diseases	English	0	64	20	16	100	4
	Content:  • Tuberculosis and other mycobacteriosis  • Brucellosis  • Melioidosis  • Other bacterial Liver Abscess							
Viral Infections in which POCUS has a relevant role	MED/17   Infectious Diseases	English	0	64	20	16	100	4
	Content: • COVID-19 • HIV							

	Dengue, Zika and Chikungunya								
	VET/06   Parasitology and Animal Parasitic Diseases	English	0	32	10	8	50	2	
Point-of-Care Laboratory Diagnostics in Tropical Medicine	Content: • Viral Infections • Bacterial Infections • Parasitic Infections								
		PARTIAL	0	224	70	56	350	14	
TOTAL					350	14			
IPL In-Person Learning; STD Study; OL Online learning; EX Exercises;									

Lectures and seminars will be conducted online via platforms such as Zoom and Google Meet.

Student participation in the various educational activities is structured as follows:

- Internship activities, practical exercises, and laboratory work: attendance is mandatory.
- Lectures, whether in-person or online: attendance is mandatory for at least 75% of the total scheduled hours.

The training period cannot be suspended.

## Article 4 - Certificate of Attendance

The Course Director will issue a certificate of attendance to students who have completed all activities and met all requirements.

# Article 5 - Faculty

The course modules will be taught by faculty members from the University of Pavia, professors from other Italian and/or foreign universities, and highly qualified external experts.

# **Article 6 - Admission Requirements**

The Advanced Training Course is open to those holding a degree under D.M. 270/04 in:

- (L/SNT4) Prevention Healthcare Professions
- (L/SNT2) Rehabilitation Healthcare Professions
- (L/SNT1) Nursing and Midwifery
- (L/SNT3) Technical Healthcare Professions
- (L-13) Biological Sciences
- (LM-41) Medicine and Surgery

The Advanced Training Course is also open to those who have obtained a degree under D.M. 509/99 in the following fields:

- (SNT/4) Prevention Healthcare Professions
- (SNT/2) Rehabilitation Healthcare Professions
- (SNT/1) Nursing, Midwifery, and Healthcare Professions
- (SNT/3) Technical Healthcare Professions
- (12) Biological Sciences
- (46/S) Specialization Degree in Medicine and Surgery

The Advanced Training Course is also available to those who have obtained a degree under previous academic regulations in:

- Medicine and Surgery
- Biological Sciences
- A university diploma according to the applicable legislation, provided it is accompanied by a secondary school diploma of at least five years.

Maximum number of participants: 20

Minimum number of participants required to activate the course: 7

The Faculty Board may also evaluate whether conditions allow for an increase in the number of available places.

In the event that the number of applicants exceeds the maximum limit, a Commission, composed of the Coordinator/Director and two course instructors, will conduct a selection process and establish a merit ranking, expressed on a scale of thirty. The ranking will be determined based on the following evaluation criteria:

- 1. Up to 15 points for the final degree grade, distributed as follows:
  - <100 -> 0 points
  - from 100 a 104/110 -> 5 points
  - from 105 a 110/110 -> 10 points
  - 110/110 cum laude -> 15 points
- 2. Up to 15 points for an interview, assessing professional experience in tropical medicine, motivations, and proficiency in English.

A minimum score of 6 points is required to pass the interview.

In the event of a tie in the ranking, the younger candidate will be given preference. If one or more candidates withdraw, the available spots will be offered to the next eligible candidates in the ranking, until all seats are filled.

## Article 7 - Deadline for the online course registration procedure

Applicants must complete the admission procedure described in the official call starting from 23/09/2024 and no later than 10/03/2025. The requirements specified in the call and its annex must be met by the application deadline.

## Article 8 - Attachments to the Online Course Registration Procedure

Applicants must upload the following during the online course registration process: a **curriculum vitae** including details of the qualifications required for admission and, if applicable, for the selection process.

### **Article 9 - Financial Resources**

#### **Enrollment**

Students enrolled in the advanced course must pay, for the academic year 2024/25, the amount of €1,400.00, which includes: €16.00 (stamp duty) and €142.00 (administrative fees).

This amount must be paid in a single installment at the time of enrollment.

National or international institutions or organizations may contribute to the course by offering scholarships to support enrollment and/or internship participation.

If such agreements are finalized, they will be announced on the course website, along with the criteria for scholarship allocation.

### **Article 9 - Financial Resources**

All communications to applicants will be published on the following website: http://dipclinchir.unipv.eu/site/home.html

For information regarding the organization of the course:

#### **Administrative Office**

The Administrative Office will be located at:

Department of Clinical-Surgical, Diagnostic and Pediatric Sciences

Email: silvia.bensi@unipv.it Contact person: Silvia Bensi