



**Quality Assurance Unit**



**Tanta University  
Faculty of Medicine**

**Department of Tropical Medicine and infectious diseases**

**Program Specifications (semesters)**

**Tropical Medicine and Infectious diseases**

**Doctorate degree**

**2025-2026**

Tropical Medicine and Infectious Diseases Doctorate Degree Program Specifications

University: Tanta	Faculty: Medicine	Department: Tropical medicine and infectious diseases
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**A- Basic information**

- 1-**Program title:**Tropical Medicine and Infectious Diseases Doctorate degree
- 2-**Program Code:** TROPID 900
- 3- **Program coordinator:**Prof. Ferial El-Kalla.Professor of Tropical medicine and infectious diseases, Tanta University.
- 4- **Program internal evaluator:** Prof. Raafat Salah. Professor of Tropical medicine and infectious diseases,Tanta University.
- 5- **Program external evaluator:** Prof. Maysaa Abd Allah Mohamed. Professor of Hepato-gastroenterology and infectious diseases – Zagazig University
- 6-**Date of approval:**24/9/2025
- 7-**Departments offering the courses of the program:**  
Tropical Medicine and Infectious Diseases department  
Anesthesiology, surgical intensive care and pain management department  
Internal Medicine department

**B\_ Professional information**

**1 - Overall program aims**

Our program aims to enable the candidates to expand their levels of knowledge, skills, and attitude, producing a specialist able to add new in the fields of tropical medicine, infectious diseases, hepatic, gastrointestinal and nutritional diseases research, teach junior students, and implement an ethical and professional medical practice.

**2 - Intended learning outcomes (ILOs):**

**a- knowledge and understanding:**

*By the end of the program graduates should be able to:*

- a.1-Define the basic theories, principles, and updates in pathogenesis of endemic and infectious diseases(viral, bacterial, parasitic, etc.) at physiological, pathological, and clinical levels
- a. 2- Discuss the theories, principles, and updates in pathogenesis of hepatobiliary, splenic, pancreatic and gastrointestinal diseases at physiological, pathological, and clinical levels.
- a.3-Define the basic theories, principles, and updates in pathogenesis of nutritional disorders at physiological, pathological, and clinical levels.

- a.4-List the principles, methods, ethics, and various tools of medical research.
- a.5- List the ethical and legal principles of medical and professional practice.
- a.6- Outline the principles of quality assurance in medical practice.
- a.7- Outline the effect of medical practice on the surrounding environment, and how to develop and protect the environment (current infections in Egypt and worldwide, syringe disposal, tissue and blood specimen transport ...etc.).
- a.8-recognize the internal medical insults commonly associated and indications of ICU admission in patient with hepatobiliary, splenic, pancreatic,gastrointestinal or infectious diseases.

**b-Intellectual skills**

*By the end of the program, graduates should be able to:*

- b.1-Analyze medical problems referring to their roots in basic science.
- b. 2-Interpret common medical problems related to endemic and infectious diseases.
- b. 3- Interpret common medical problems related to hepatobiliary, splenic, and pancreatic diseases.
- b. 4- Interpret common medical problems related to gastrointestinal diseases.
- b. 5- Interpret and solve common medical problems related to nutritional diseases
- b.6-Designa nutritional plan for management of infectious, hepatobiliary, splenic, pancreatic and gastrointestinal diseases.
- b.7- Plan medical research to add new to the specialty.
- b.8- Design medical research papers.
- b.9-Evaluate risks in medical practice (nosocomial infections, care for infectious cases...etc.).
- b.10- Plan to further their career practice as tropical medicine and infectious diseases consultants.
- b.11- Design professional medical decisions according to different situations when facing medical problems (during the clinical training course).
- b.12- Design solutions to medical problems in the specialty (suggest innovative scenarios for controlling infectious diseases, reduce nosocomial infections...etc.).
- b.13- Discussmedical issues and provide sound evidence-basedarguments during the journal club.
- b.14-Rationalize the indications of using different treatment modalities in critically ill patients in the field of hepatogastroenterology and infectious diseases.
- b.15-plane soundly to manage critically ill patients and patients with associated medical problems (renal, endocrinal ...etc) in field of hepatogastroenterology and infectious diseases according to guidelines

**c- Professional&practical skills**

*By the end of the program, students should be able to:*

- c.1-Assessthe patient using basic and recent professional medical skills in the specialty including abdominal ultrasound examination, diagnostic and therapeutic upper and lower gastrointestinal endoscopy.

- c.2- Design a professional medical report reflecting case diagnosis , management plans, and respecting medico legal aspects.
- c.3- Evaluate medical methods and tools used in the specialty and share in its development and progress.
- c.4- use of advanced technological tools to serve their career.
- c.5- Plan to develop their career and teach juniors.
- c.6- Manage patients with associated medical problems and critically ill patients with hepatobiliary, splenic, pancreatic, gastrointestinal, and infectious diseases.
- c.7- Master CCU practice including basic and advanced life support, arterial sampling, oxygen therapy...etc.

#### **d- General transferable skills**

*By the end of the course, students should be able to:*

- d.1- Communicate effectively with patients and their relatives, transferring information about illness using clear and suitable words while respecting individual beliefs and backgrounds.
- d.2- Apply basic computer-using skills.
- d.3- Revises specified topics in the library books, medical journals, and on the internet (eg. assignments, journal clubs).
- d.4- Use self- evaluation and reflection to specify his medical educational needs (eg, through tutorials).
- d.5- Assess time effectively and work well in a medical team.
- d.6- organize the medical assisting team to apply the best possible medical care for the patients
- d.7- Apply life- long continuous learning and medical education.
- d.8- Justify adequately with all colleagues in a medical team.
- d.9- Apply ethical principles and confidentiality while treating patients.
- d.10- Conduct scientific seminars with good time management.

### **3- Academic standards adopted**

Academic standards for postgraduates by The Egyptian Authority for Quality Assurance and Accreditation for Education (NAQAAE) 2009 implemented by the faculty council for medical degree of Doctorate on 24/9/2025.

### **4 - Curriculum structure and content:**

**4-1- Program duration:** At least 42 months (6 semesters) from registration

**4-2- Program structure:**

**1<sup>st</sup> part:** (The first semester after registering the degree.) The first part has a total of 10 credit hours.

**Thesis:** The thesis is chosen according to the schedule research plan of the department. 18 credit hours. Candidates should pass the thesis dissertation successfully at least two years after thesis registration & 1 month before the

starting date of exams and after passing the 1st part to be allowed to enter the exams. No marks are allocated for the thesis but passing it is a must to enter the second part examinations.

**2<sup>nd</sup> part:** (At least 5 semesters, 50 credit hours) Students must attend and participate on a full-time basis all through these semesters at the anesthesiology, surgical intensive care and pain management, internal medicine and tropical medicine and infectious diseases departments, fulfilling 75% of their logbook, passing end semester exams and passing the thesis dissertation to be allowed to enter the final exams. On passing the final exam, students get the degree.

### 5-Courses included in the program:

#### Courses titles in the first part

Applied physiology, Applied pathology and Internal medicine courses related to Tropical medicine and Infectious diseases.

*Departments offering the courses:* Tropical medicine department and Internal Medicine department -Faculty of medicine - Tanta University.

#### Course titles in the second part:

Internal medicine, Critical care, Infectious diseases, Hepatobiliary diseases, and Gastrointestinal diseases(theoretical and clinical)

*Departments offering the course:* Tropical Medicine and Infectious Diseases Department, Tanta University, Internal medicine department and the Anesthesiology, surgical intensive care and pain management department.

	Code	Course Title	No. of taught Hours		Total credit hours/course	ILOs Covered
			Theoretical	Clinical		
First semester	TROPID 9001	Applied Physiology	15/1		1	a1, b1,b2
	TROPID 9002	Applied Pathology	15/1		1	a1,a2,a3,a4,a5,a6,a7,b1,b2,b5,b6,b7,b8,b9,d1,d5,d6,d7,d8,d9,d10
	TROPID 9003	Internal medicine	45/3	180/3	6	A1, b15, b16, c6,c7, d1,d6, d7, d8
	Elective course faculty Scientific		15/1		1	
				60/1	1	a4,a5,a6,a7,

	activities						b9,c4,c5,d8,d10
Second semester	TROPID 9004	Internal medicine	75/5	180/3	8		a8, b15, c6, d1,d6, d7, d8
	Elective course		15/1		1		a4,a5,a6,a7, b9,c4,c5,d8,d10
	Scientific activities			60/1	1		a4,a5,a6,b3,b4,b9,d2,d3,d10
Third semester	TROPID 9005	Critical care	75/5	180/3	8		a8, b15, b16, c6,c7, d1,d6, d7, d8
	Elective course		15/1		1		a4,a5,a6,a7, b9,c4,c5,d8,d10
	Scientific activities			60/1	1		a4,a5,a6,b3,b4,b9,d2,d3,d10
Fourth semester	TROPID 9006	Infectious diseases	75/5	180/3	8		a1,a2,a3,a4,a5,a6,a7,b1,b2,b5,b6,b7,b8,b9,c1,c2,c3,c4,c5d1,d5,d6,d7,d8,d9,d10
	Elective course		15/1		1		a4,a5,a6,a7, b9,c4,c5,d8,d10
	Scientific activities			60/1	1		a4,a5,a6,b3,b4,b9,d2,d3,d10
Fifth semester	TROPID 9007	Hepatobiliary diseases	75/5	180/3	8		a1,a2,a3,a4,a5,a6,a7,b1,b2,b5,b6,b7,b8,b9,c1,c2,c3,c4,c5d1,d5,d6,d7,d8,d9,d10
	Elective course		15/1		1		a4,a5,a6,a7, b9,c4,c5,d8,d10
	Scientific activities			60/1	1		a4,a5,a6,b3,b4,b9,d2,d3,d10
Sixth Semester	TROPID 9008	Gastrointestinal diseases	75/5	180/3	8		a1,a2,a3,a4,a5,a6,a7,b1,b2,b5,b6,b7,b8,b9,b10,b11,c1,c2,c3,c4,c5d1,d5,d6,d7,d8,d9,d10
	Elective course		15/1		1		a4,a5,a6,a7, b9,c4,c5,d8,d10
	Scientific activities			60/1	1		a4,a5,a6,b3,b4,b9,d2,d3,d10
Thesis					18		a2,a3,a4,b3,b6,b9,d3,d9
<b>Total</b>			<b>540 (36cr)</b>	<b>1440 (24cr)</b>	<b>78cr</b>		

درجة الدكتوراة في طب المناطق الحارة والأمراض المعدية  
**Medical Doctorate in Tropical Medicine and Infectious Diseases (TROPID 900)**

المتطلبات				المتاح				المقرر الدراسي	
مجموع الدرجات	النظري	طوبى	عملي	عدد الساعات	عدد المقررات	الكود	الاسم	الجزء الأول	الجزء الثاني
50		30		15	1	TROPID-9001	مقرر طبي وعمل في الفسيولوجيا التطبيقية.		
20		30		15	1	TROPID 9002	مقرر طبي وعمل في الباثولوجيا التطبيقية		
150	30	10		15	6	TROPID 9003	مقرر طبي وعمل في أمراض العائلة العامة		
					1		مقررات اختيارية.		
					1		أنشطة علمية		
					18				
									الرسالة
120	100	100		75	8	TROPID 9004	مقرر طبي وكليني في العيادة العامة		
	100	100		75	5	TROPID 9005	مقرر طبي وكليني في رعاية الحالات الحرجة		
	100			75	5	TROPID-9006	3 مقررات علمية وكلينية في طب المناطق الحارة والأمراض المعدية		
					3	TROPID-9007			
					3	TROPID-9008			
					2		مقررات اختيارية		
					2		أنشطة علمية		
100	120	200		150	16				المجموع

**Total credit and taught hours of the program:**

**First Part:**

TROPID 9001: Applied physiology: 15 hours theoretical teaching. **(1 CH)**

TROPID 9002: Applied pathology: 15 hours theoretical teaching **(1 CH)**

TROPID 9003: Internal medicine: 2 CH theoretical teaching and 4 CH clinical training **(6CH)**.

*Scientific activities:* 60 contact hours **(1 CH)**

*Elective course:* 15 theoretical teaching **(1 CH)**

**Second Part:**

- TROPID 9004: Internal medicine: 5 CH theoretical teaching, 3 CH clinical training **(8CH)**
- TROPID 9005: Critical care: 5 CH theoretical teaching, 3 CH clinical training **(8CH)**
- TROPID 9006: Infectious diseases: 5 CH theoretical teaching, 3 CH clinical training **(8CH)**
- TROPID 9007: Hepatobiliary diseases: 5 CH theoretical teaching, 3 CH clinical training **(8CH)**
- TROPID 9008: Gastrointestinal diseases: 5 CH theoretical teaching, 3 CH clinical training **(8CH)**
- *Scientific activities:* 300 contact hours **(5 CH)**
- *Elective course:* 75 hours theoretical teaching **(5 CH)**

*Theoretical: 36 credit hours = 540 hours*

*Clinical training: 24 credit hours = 1440 hours*

*Scientific activities: 6 credit hours = 360 hours*

*Elective courses: 6 credit hours = 90 hours*

*Thesis: 18 credit hours = 1080 hours*

**Total: 78 credit hours**



# ILOS versus Academic Reference Standards (ARS)

		Academic Reference Standard (ARS)																											
ARS		A					B									c					d								
ILOs		1	2	3	4	5	1	2	3	4	5	6	7	8	9	1	2	3	4	5	1	2	3	4	5	6	7		
A	1	*																											
	2	*																											
	3	*																											
	4		*																										
	5			*																									
	6				*																								
	7					*																							
	8		*																										
B	1						*																						
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C	1														*														
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	8																				*								
	9																				*								
	10																								*				

## **6 – Program admission and progression requirements:**

Registration, progress requirements, and schedule of written exams are provided by the faculty through the post graduate guidebook according to postgraduate bylaws (paragraphs no. 19-22-23-24-25-26-27- 28- 29-30-38-39-40-41-42-43)

## **7-Program assessment and evaluation:**

### **Assessment**

Evaluation at the end of each semester is by examination, also continuous evaluation of the thesis and program by half annual reports. The students cannot pass each semester unless they get a grade above C.

### **First part:**

The total marks account for 250 marks of the total program marks.

Starting at no less than 6 months from the date of registration for the degree and includes courses in applied physiology, applied pathology and internal medicine.

### **Second part:**

Accounts for 1250 marks of the total program marks.

It includes 5 semesters:

TROPID 9004: Internal medicine

TROPID 9005: Critical care

TROPID 9006: Infectious diseases

TROPID 9007: Hepatobiliary diseases

TROPID 9008: Gastrointestinal diseases

Assessment is by written exams (paper 1 assigned to infectious diseases, paper 2 assigned to hepato-gastroenterology and nutrition and third paper for commentary exam), oral and clinical exams by exam committees nominated by the Tropical Medicine and infectious diseases department council and include:

- Clinical exam (long case)
- Clinical exam (2 short cases)
- Viva (X ray, CT, MRI, ECG)
- Oral exam

### **Third part: thesis**

A total of 78 credit hours distributed as follows:

Part 1 10 credit hours

Part 2: 50 credit hours

Thesis: 18 credit hours

**Evaluation of the program:**

- Evaluation by program external and internal evaluator reports.
- Questionnaires filled in by the students.
- Evaluation reports of the faculty internal auditing system.

Will be included in the program report and action plans will be structured accordingly

For the students to be awarded the degree they must pass the first- and second-part exams as well as dissertation of a scientific thesis.

**8- We certify that all the information required to deliver this program is contained in the above specifications and will be implemented**

We verify that the above course information is accurate.

**Program coordinator:** Prof. Ferial El-Kalla      Signature.....

**Course coordinator:** Ass. Prof. Nehad Hawash      Signature... *Nehad Hawash* .....

**Head of the department:** Prof. Dina Ziada      Signature... *Dina Ziady* .....

**Head of quality assurance unit:** Prof. Eslam Elhawary      Signature... *Di. Eslam Elhawary* .....

