

Infectious diseases course (TROPID 8006) for the Tropical Medicine and Infectious Diseases master's degree- Course Specifications-2025/2026



Quality Assurance Unit



**Tanta University
Faculty of Medicine**

Department of Tropical Medicine and Infectious Diseases

Course Specifications(semester 2)

Infectious diseases

TROPID 8006

Tropical Medicine and Infectious Diseases master's degree

2025-2026

Infectious diseases course (TROPID 8006) for the Tropical Medicine and Infectious Diseases master's degree- Course Specifications-2025/2026

A- Administrative Information

- 1- Course title: Infectious Diseases**
- 2- Department offering the program: Tropical Medicine and Infectious Diseases department.**
- 3- Department responsible for the course: Tropical Medicine and Infectious Diseases Department**
- 4- Course code: TROPID 8006**
- 5- Level: Second part/ second semester**
- 6- No. of credit hours: 8 credit hours**

- **Theoretical: 5 credit hours = 75 hours**
- **Clinical: 3 credit hours = 180 hours**

NB: parallel with the course in the same semester there are 2 credit hours:

- **Scientific activities for 1 credit hour = 60 hours**
- **An elective course for 1 credit hour = 15 hours**

7- Authorization date of course specification: 7/10/2025

B- Professional Information

1 - Overall Course aims

The course aims to help the student with knowledge, skills and attitude that qualify him to perfect management of patients suffering from endemic and infectious diseases in an ethical and professional manner applying basic hygiene infection control, and quality principles, reflecting the mission of our faculty and spirit of our department.

2 - Intended learning outcomes (ILOs):

Knowledge and understanding:

By the end of the course graduates should be able to:

- a. 1- Identify the basic theories and principles of basic science of endemic and infectious diseases, regarding diagnosis, management, control, and prevention.
- a. 2- Identify the basic theories and principles of basic science of infectious diseases affecting the liver, regarding diagnosis, management, control, and prevention.
- a. 3- Identify the basic theories and principles of basic science of infectious diseases affecting the gastrointestinal tract, regarding diagnosis, management, control, and prevention.

Infectious diseases course (TROPID 8006) for the Tropical Medicine and Infectious Diseases master's degree- Course Specifications-2025/2026

- a. 4- List the ethical and legal principles of medical practice.
- a. 5- Identify the principles of quality assurance in medical practice.
- a. 6- Outline the effect of medical practice on the surrounding environment and how can it be made safe (syringe disposal, tissue and blood specimen transport...etc.)
- a. 7- Define the recent advances on emerging and re- emerging infections in Egypt and the world.
- a. 8- List the principles and ethics of medical research

b -Intellectual skills

By the end of the course, 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 infections.
- b. 3- Interpret common medical problems related to gastrointestinal tract infections.
- b. 4- Interpret and solve common medical problems related to splenic and pancreatic infections.
- b. 5- Collect related medical topics in medical journals for research purposes in the field.
- b. 6- Evaluate risks in endemic and infectious diseases management practicethrough their practical training.
- b. 7- Design treatment options according to available information in particular situations.
- b. 8- Organize medical research concerning specified medical problems (thesis)
- b. 9- Discuss up to date related medical topics in medical journals through journal clubs.

c- Professional & practical skills

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

- c.1 Apply previously learnt basic medical knowledge to further their understanding of endemic and infectious diseases.
- c.2- Report clinical data of a given case in a provisional sheet and develop a management plan for a clinical case .
- c.3- Examine patients by real time abdominal ultrasound.
- c.4- Compare and interpret common investigation reports related to the specialty (radiology, serology, chemistry, PCR, viral panels, serology, culture and sensitivity tests, lumbar punctures, ascitic fluid analyses, CBC, histopathology etc.)

Infectious diseases course (TROPID 8006) for the Tropical Medicine and Infectious Diseases master's degree- Course Specifications-2025/2026

c.5- Compose a referring medical report about clinical cases, reflecting their diagnosis and management plan, and respecting medico legal aspects.

c.6- Improve their patient care practices based on constant self-evaluation and lifelong learning.

d- General transferable skills

By the end of the course, graduates should be able to:

d. 1- Demonstrate proficient communication skills with both peers and patients.

d. 2- Apply basic computer using skills which serve career development.

d. 3- Apply self-evaluation and specify medical educational needs.

d. 4-Apply different learning resources to acquire knowledge and information .

d. 5- Collaborate effectively with a healthcare team in the management of patient care in clinical settings.

d. 6- Adopt effective practice of continuous medical education.

3- Academic reference standards

Academic standards for postgraduates offered by The Egyptian Authority for Quality Assurance and Accreditation for Education (NAQAAE) 2009) and adopted by the faculty council for master degree in 24/9/ 2025 were adopted as the benchmark.

4-Course contents

Topics	No. of hours/ Semester			
	Theoretical	Clinical training	Scientific activities	Elective course
Infectious diseases	75 (5 cr.)	180 (3 cr.)	60 (1 cr.)	15 (1cr.)

Detailed curriculum and logbook are annexed

Infectious diseases course (TROPID 8006) for the Tropical Medicine and Infectious Diseases master's degree- Course Specifications-2025/2026

5-Teaching and learning methods

Lectures, seminars, journal clubs, bedside teaching, case presentation, assignments, conference participation, observation and hands on practice

Method of teaching	ILOs
Lectures	a1-a8
Seminars	a1-a9
Journal clubs	b2,b3,b4,d2,d3
Clinical training, bedside teaching, case presentation, mortality and morbidity meetings, ward rounds and grand rounds	b1,b7,b8,b9,c1,c2,c4,c5,d1,d2,d4,d5,d6,d7,d8
Online clinical teaching (incision academy- Tanta university- Tropical medicine- post graduate program 2021)	c1-d2,3,4
Assignments	C3, d2,d3,d7
Conference and webinar attendance and workshop participation	b10,C3, d2,d3,d7

6-Student Assessment

Successfully passing the semester entails passing the end of semester written exam with a grade of at least C and fulfillment of at least 75% of semester logbook activities.

After passing the 4 semesters, the student will be allowed to enter the final exam as follows:

- 5.1 Theoretical exam to assess (a.1, a.2, a.3, a.4, a.5, a.6, a.7, a.8, b.1, b.2, b.6, b.9, c.2)
- 5.2 Clinical exam to assess (c.2, c.3, d.1)
- 5.3 Oral exam to assess (a.1, a.2, a.3, a.4, a.5, a.6, a.7, a.8, b.1, b.2)
- 5.4 Logbook and workplace assessment to assess (b.5, b.6, b.8, b.9, c.1, c.6, c.7, d.1, d.5, d.6, d.7, d.9)

Infectious diseases course (TROPID 8006) for the Tropical Medicine and Infectious Diseases master's degree- Course Specifications-2025/2026

7- Assessment schedule

التقييم المستمر ويشمل تقييم المقرر الدراسي لها لزاميها في نهايتها كلفصل دراسي داخل الأقسام و كذلك يتم تقييم كتاب log book على ان يعتمد من رئيس القسم و المرشد الأكاديمي و تكون النتيجة في صورة اجتياز او رسوب وفي هذه الحالة يتم اعادة تقييم الطالب بواسطة القسم مع الفصول الدراسية اللاحقة و لا يتم الموافقة على الدخول لامتحان النهائي للجزء الثاني الا بعد اجتياز الفصول الدراسية الاجباريه و المقررات الاختيارية

يشترط النجاح في الجزء الاول و اجتياز جميع الفصول الدراسية و يتقدم الطالب لامتحان بعد استكمال الطالب للبرنامج التدريبي التخصصي و استيفاء نسبة حضور لا تقل عن ٧٥% من الساعات المعتمدة و الحصول على موافقة رئيس القسم المرشد الأكاديمي بالقسم قبل شهر من موعد الامتحان و في حالة رسوب الطالب يلزم فقط الحصول على موافقة رئيس القسم على طلب دخول الامتحان و في حالة الرسوب في الامتحان التحريري لا يجوز للطالب استكمال دخول الامتحان الشفهي أو العملي أو الأكلينيكي

شروط النجاح في الأوراق التحريرية للجزء الأول و الجزء الثاني الحصول على ٥٠% من الدرجة الكلية للامتحان التحريري على ان يكون النجاح بعد حصول الطالب على ٦٠% لكل لجان المادة (التحريري أو الشفهي و العملي أو الأكلينيكي مجتمعة)

يعقد الاختبار مرتين سنويا في شهر يناير و يوليو أكتوبر من كل عام ويحقل الطالب التقدم وفق بنود المادة ٣١ من اللائحة. ويتكون الامتحان من الاختبار الآتية طبقا للمادة 33 , 32 من اللائحة

١- اختبار ان تحريري ايامدة كلمتها ٣ ساعات (الورقة الأولى مخصصة للأمراض المعدية و الورقة الثانية مخصصة لأمراض الكبد والجهاز الهضمي)

٢- اختبار أكلينيكي

٣- اختبار أشفهي

End of semester theoretical and clinical exams: These are pass or fail exams. The student is required to pass these with a grade of at least C + to be allowed to sit the Final master's exam.

8. Method of Assessment of second part

Method of Assessment	Marks
Final written examination paper 1: Hepatobiliary, splenic, pancreatic and gastrointestinal diseases	185
Final written exam paper 2: Infectious diseases, Infectious hepatobiliary diseases, Infectious gastrointestinal diseases	185
Oral examination	150

Infectious diseases course (TROPID 8006) for the Tropical Medicine and Infectious Diseases master's degree- Course Specifications-2025/2026

Clinical exam	Long Clinical case	110
	Short Clinical case 1	60
	Short Clinical case 2	60
Semester work	Clinical and theoretical exams after each semester should be passed	
Formative assessment	Logbook	
Total	750	

8- List of references

8.1 Course notes:

- Handouts of Journal clubs and seminars

8.2 Textbooks:

- Spec, A., Escota, G., Chrisler, C., Davies, B. (2020) Comprehensive review of infectious diseases. Elsevier.
- Ryan, E., Hill, D., Solomon T., Aronson, N., Endy, T. (2020): Hunter's Tropical Medicine and Emerging Infectious Diseases. 10th ed. Elsevier.
- Farrar, J. (2014): Manson's tropical diseases. 23rd ed. Saunders/ Elsevier.
- Kasper, L., Fauci, A.S. (2010): Harrison's infectious diseases. McGraw-Hill.
- Papadakis, M., McPhee, S., Rabow, M., McQuaid, K., Ghandi, M. (2024): CURRENT Medical Diagnosis and Treatment 2024. 63rd ed. Mc Graw Hill Lange.

8.3 Recommended books:

- Beeching, N., Gill, G. (2014): Tropical medicine lecture notes. 7th ed. Wiley-Blackwell
- Macleod, J. G., Japp, A. G., Robertson, C., Hennessey, I. A. M., & Elsevier (Amsterdam). (2013). *Macleod's clinical diagnosis*. Edinburgh: Churchill Livingstone/Elsevier.
- Douglas, G., Nicol, F. and Robertson, C. (2013): *Macleod's clinical examination* 13th edition. Edinburgh: Churchill Livingstone, Elsevier.
- Glynn, M., and Drake, M.D. (2012): *Hutchison's clinical methods: An Integrated Approach to Clinical Practice*. 23rd ed. Edinburgh: Saunders.

8.4 Periodicals and web sites:

- Department Web site:
www.tanta.edu.eg/faculties/medicine/departments/tropical

Infectious diseases course (TROPID 8006) for the Tropical Medicine and Infectious Diseases master's degree- Course Specifications-2025/2026

- www.nlm.ncbi.gov
- Royal society of tropical medicine and hygiene <https://rstmh.org/>
- WHO infectious diseases site:
https://www.who.int/topics/infectious_diseases/en/
- CDC infection control site: <https://www.cdc.gov/infectioncontrol/index.html>
- Clinical care options/ Hepatitis <https://clinicaloptions.com>
- Clinical care options/ HIV <https://clinicaloptions.com>
- Clinical care options/ Infectious diseases <https://clinicaloptions.com>
- Medscape/ Infectious diseases:
<https://www.medscape.com/infectiousdiseases>
- Medscape/ HIV: <https://www.medscape.com/hiv>
- Uptodate: <https://www.uptodate.com>
- CDs in electronic library

9-Other resources/ facilities required for teaching and learning to achieve the above ILOs

- Daily clinics at the unit for control of viral hepatitis.
- Daily ultrasound lists.
- Daily viral hepatitis clinics.
- Weekly HIV clinic .
- Outpatient clinics
- Inpatient wards.
- Free Internet access for international databases is available for all students through the faculty postgraduate library
- The essential textbooks for this course are available either at the department or faculty library.

Topics of the course	No of hours			
	Lectures 5 credit hours (75 teaching hours)	Practical 3 credit hours (180 teaching hours)	Scientific activities 1credit hour	Elective course 1credit hour
-Temperature regulation, pathogenesis of fever and PUO B-Bacterial infections: 1. Salmonella infections including enteric fever 2. Cholera 3. Other important bacterial gastrointestinal pathogens than	1½ teaching hours each	-Clinical sheet 10 sessions x 3 hours each (30 teaching hours) - Bedside teaching 3	- Journal club 1 hour/week -Attendance of seminars 2 hours/ week	

Infectious diseases course (TROPID 8006) for the Tropical Medicine and Infectious Diseases master's degree- Course Specifications-2025/2026

<p>salmonella and vibrio cholera including (Shigella, Campylobacter, E. Coli, Yersinia enterocolitica, Clostridium difficile)</p> <p>4. Brucellosis 5. Tuberculosis 6. Tetanus 7. Diphtheria 8. Plague 9. Anthrax 10. Spirochetes including (Treponema, Leptospira)</p> <p>C- Parasitic infections: 1. Malaria and Babesiosis 2. Leishmaniasis 3. Human Trypanosmiasis 4. Amoebiasis 5. Giardiasis 6. Toxoplasmosis 7. Cryptosporidiosis 8. Cyclosporiasis</p> <p>D. Helminthic infections: 1-Trematodes: o Schistosomiasis o Fascioliasis o Other trematodes including (FasciolopsisBuski and HeterophysHeterophys)</p> <p>2. Cestodes: o Taeniasis o Hymenolepis nana o Diphylobothriumlatum o Hydatid disease (Echinococcusgranulosus and multilocularis)</p> <p>3-Nematodes: o Ascariasis, ancylostomiasis, entrobiasis, capillariasis o Strongyloidiasis o Trichinosis o Dracunculusmedinensis o Filariasis (lymphatic, subcutaneous and serous cavity)</p> <p>4. Soil transmitted helminths</p> <p>E. Viral infections</p>		<p>hours twice /week for 10 weeks (60 teaching hours)</p> <p>-Case presentation and attendance two hours twice /week (40 teaching hours)</p> <p>-Clinical case discussion</p> <p>10 sessions x 3 hours each (30 teaching hours)</p> <p>-outpatient clinic case evaluation and reporting</p> <p>10 sessions x 1 hours each (10 teaching hours)</p> <p>- incision academy courses 1hour/week (10 hr)</p>	<p>-Attendance of these dissertations</p> <p>-Attendance of department scientific meetings and scientific days.</p> <p>-Attendance of conferences</p> <p>- Participation in workshops and training courses</p>	
---	--	--	--	--

Infectious diseases course (TROPID 8006) for the Tropical Medicine and Infectious Diseases master's degree- Course Specifications-2025/2026

<p>1.HIV: epidemiology, clinical features, management of HIV/AIDS and its opportunistic infections, prevention</p> <p>2.Viral haemorrhagic fevers</p> <p>3.Rabies</p> <p>4. avian and swine flu</p> <p>5. novel corona viruses</p> <p>6- Epstein Barr virus</p> <p>F. Meningitis: Viral and bacterial</p> <p>G. Other important topics</p> <p>1.Infectious diarrhea (Acute and chronic)</p> <p>3.Food poisoning including Botulism</p> <p>4.Generalized lymphadenopathy</p> <p>5.Anemia</p> <p>6.Peritonitis</p> <p>7.Heat disorders</p> <p>8.Antibiotics including (classification, mechanism of action and resistance)</p> <p>9.Immunization chemoprophylaxis and vaccination</p> <p>10. MRSA</p> <p>11. Nosocomial infection</p> <p>12. Septic shock</p>				
---	--	--	--	--

We verify that the above course information is accurate.

Program coordinator: Prof. Ferial El-Kalla

Signature.....

Course coordinator: Prof. Nehad Hawash

Signature... *Nehad Hawash*

Head of the department: Prof. Dina Ziada

Signature... *Dina Ziada*

Head of quality assurance unit: Prof. Eslam Elhawary

Signature... *Dr. Eslam El-Hawary*

