



Quality Assurance Unit



Tanta University

Faculty of Medicine

Department of Tropical medicine and infectious diseases

Course Specifications

Tropical Medicine and infectious diseases Diploma degree

Infectious diseases course (Semester 2)

TROPID 7006

2025-2026

**Course Specifications: Tropical Medicine and Infectious Diseases Diploma degree
Semester 2 (Infectious diseases) 2025-2026**

Tropical Medicine and Infectious Diseases Diploma Degree Course Specifications

University: Tanta

Faculty: Medicine

**Department: Tropical medicine
and infectious diseases**

A- Administrative Information

1- Course title: Infectious diseases course for Tropical medicine and infectious diseases diploma degree.

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 7006

5- Level: Second part

6- No. of credit hours: 7 credit hours

- **Theoretical: 4.5 credit hours = 68 hours**
- **Clinical: 2.5 credit hours = 150 hours**

NB: parallel to the course in the same semester there are:

- **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

Our course aims to help the student acquire knowledge, skills and attitude that qualify him/her to perfect management of patients suffering from endemic or infectious diseases in an ethical and professional manner applying basic hygiene and infection control principles.

2 – Intended learning outcomes (ILOs):

A-knowledge and understanding:

1. *By the end of the course, the graduate 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.

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- 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.
- 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-State the recent advances on emerging and re- emerging infections in Egypt and the world.

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- Categorize medical material related to the specialties from medical journals and present them in seminars.
- b. 4- Examine risks in endemic and infectious diseases management practice through their practical training.
- b. 5- Formulate treatment plans according to available information in particular situations.
- b. 6- Critique 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 infectious and endemic diseases.
- c. 2- Report clinical data of a given case in a provisional sheet and develop a management plan for clinical case.
- c. 3- Examine the patient using a real time abdominal ultrasound.
- c. 4- Compare and interpret common investigation reports related to the specialty (PCR, viral panels, serology, culture and sensitivity tests, lumbar punctures, ascitic fluid analyses, liver function test, CBC, radiology etc.)
- c. 5- Compose a referring medical report about a clinical case, reflecting its diagnosis and management plan, and respecting medico-legal aspects.
- c. 6- Improve their patient care practices based on constant self-evaluation and lifelong learning.

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D-General transferable skills

By the end of the course, students 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 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 Diploma on 24/9/2025.

4-Course contents

Topics	No. of hours		
	Theoretical	Clinical training	Scientific activities
Infectious diseases	68	150	60
	(4.5 cr.)	(2.5cr.)	(1 cr.)

Detailed curriculum and logbook are annexed

5-Teaching and learning methods

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

Blended learning can be used with online teaching for some of course contents including (lectures, seminars, virtual conferences and webinars, and some case discussions) while bed side learning and case presentation will be face to face at the Tropical medicine and infectious diseases department.

Method of teaching	ILOs
Lectures	a4-a7
Seminars	a1-a7
Journal clubs	a.7, b.3, b.6, d.1, d.4, d.6

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Clinical training, bedside teaching, case presentation, ward rounds and grand rounds b1, b.2, b.4, b.5, c.1, c.2, c.3, c.4, c.5, c.6, d1, d.3, d.4, d.5, d.6

Online clinical teaching (incision academy- Tanta university- Tropical medicine- post graduate program Microsoft teams) c.1, c.6, d.2, d.4, d.6

Assignments a.4, a.5, a.7, c.4, d.4

Conference & workshop participation a.7, c.6, d.4, d.6

6-Student Assessment

6.1. Written to assess (a1, a2, a3, a.5, a.6, a.7, b.1, b.2, b.5, c.1, c.4)

6.2. Clinical to assess (b.1, b.2, c.1, c.2, c.4, c.5)

6.3. Oral to assess (a.1-7, b.1, b.2, b.5, d.1)

6.4. Logbook to assess (b.3, b.4, b.6, c.2, c.3, c.6, d.1, d.2, d.3, d.6)

7- Assessment schedule

التقييم المستمر ويشمل تقييم المقررات الدراسية الالزاميه في نهايه كل فصل دراسي داخل الاقسام وكذلك يتم تقييم كتاب log book على ان يعتمد من رئيس القسم والمرشد الأكاديمي وتكون النتيجة في صورة اجتياز او رسوب وفي هذه الحالة يتم اعادة تقييم الطالب بواسطة القسم مع الفصول الدراسية اللاحقة ولا يتم الموافقة على الدخول للامتحان النهائي للجزء الثاني الا بعد اجتياز الفصول الدراسية الاجباريه والمقررات الاختيارية

يشترط النجاح في الجزء الاول واجتياز جميع الفصول الدراسية ويتقدم الطالب للامتحان بعد استكمال الطالب للبرنامج التدريبي التخصصي واستيفاء نسبة حضور لا تقل عن ٧٥% من الساعات المعتمدة والحصول على موافقة رئيس القسم والمرشد الأكاديمي بالقسم قبل شهر من موعد الامتحان وفي حالة رسوب الطالب يلزم فقط الحصول على موافقة رئيس القسم على طلب دخول الامتحان وفي 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 أجان المادة (التحريري أو الشفهي و العملي أو الأكلينيكي مجتمعة)

يعقد الاختبار مرتين سنويا في شهري ابريل و أكتوبر من كل عام و يحق للطالب التقدم وفق بنود المادة ٣١ من اللائحة. و يتكون الامتحان من الاختبارات الآتية طبقا للمادة 32, 33 من اللائحة

١- اختباران تحريريان مدة كل منهما ٣ ساعات الأول في الأمراض المعدية و الثاني في أمراض الكبد و الجهاز الهضمي

٢- اختباراً إكلينيكي في الأمراض المعدية و أمراض الكبد و الجهاز الهضمي

٣- اختباراً شفهي في الأمراض المعدية و أمراض الكبد و الجهاز الهضمي

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يحتسب الجزء الثاني من الدبلومة مقابل 75% من الدرجات الكلية للدبلومة

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 second part of the Diploma exam.

The final assessment will be included in the second part of the Diploma final theoretical, clinical and oral exams.

8- Weighing of assessments

Method of Assessment	Mark
Final written examination paper 1: Hepatobiliary diseases and gastroenterology	170
Final written exam paper 2: Infectious diseases	170
Oral examination	135
Long clinical case	100
Short Clinical case 1	50
Short Clinical case 2	50
Formative assessment	Logbook
Semester work	Clinical and theoretical exams after each semester should be passed
Total	675

9- List of references

9.1 Course notes:

- Handouts of journal clubs and seminars

9. 2 Text books:

- 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.

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- Papadakis, M., McPhee, S., Rabow, M., McQuaid, K., Ghandi, M. (2024): CURRENT Medical Diagnosis and Treatment 2024. 63rd ed. Mc Graw Hill Lange.

9.3 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.

9.4 Periodicals and web sites

- Department Web site:

www.tanta.edu.eg/faculties/medicine/departments/tropical

- 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 the electronic library

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

The department has regular daily lists for abdominopelvic ultrasound.

Daily clinics at the unit for control of viral hepatitis.

Weekly HIV clinic.

Outpatient clinics

Inpatient wards.

Free Internet access for international databases is available for all postgraduate students through the faculty postgraduate library

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The essential textbooks for this course are available either at the department or the faculty library

11. Course contents

Course contents	No of hours			
	Lectures 4.5 cr. (68 h)	Clinical training 2.5 cr. (75 h)	Scientific activities 1 cr. (60 h)	Elective course 1 cr.
Clinical approach to a case of fever:	Each lecture 1½ h	-Clinical sheet 5 sessions x1 hours each (5 teaching hours)	- Journal club 1 hour/month	
A- Bacterial infections		* Clinical training	-Attendance of seminars 2 hours/ week	
1. Tuberculosis				
2. Brucellosis				
3. Tetanus				
4. Diphtheria				
5. Plague				
6. Anthrax				
7. Spirochetes including (Treponema, Leptospira)		(15 teaching hours)	-Attendance of department scientific meetings and scientific days.	
8. Sepsis and septic shock				
B- Parasitic infections		* Bedside clinical teaching 1.5 hours twice /week for 10 weeks (30 teaching hours)	-Attendance of conferences	
1. Malaria				
2. Leishmaniasis				
3. Human Trypanosomiasis				
4. Toxoplasmosis				
5. Cryptosporidiosis				
6. Cyclosporiasis				
D- Helminthic infections:		* Case presentation and attendance two hours /week (15 teaching hours)	- Participation in workshops and training courses	
1. Cestodes:				
o Taeniasis				
o Hymenolepis nana				
o Diphyllbothrium latum				
2. Nematodes:				
o Ascariasis, ancylostomiasis, entrobiasis, capillariasis				
o Strongyloidiasis				
o Trichinosis				
o Dracunculus medinensis				

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Course contents	No of hours			
	Lectures	Clinical training	Scientific activities 1	Elective course
	4.5 cr. (68 h)	2.5 cr. (75 h)	cr. (60 h)	1 cr.

- Filariasis (lymphatic, subcutaneous and serous cavity)
- 3. Soil transmitted helminths
- E- Viral infections
 1. HIV: epidemiology, clinical features, management of HIV/AIDS and its opportunistic infections, prevention
 2. Viral hemorrhagic fevers
 3. Rabies
 4. Avian and swine flu
 5. Corona virus diseases
- F- Meningitis: Viral and bacterial
- G- Other Topics:
 1. Generalized lymphadenopathy
 2. Anemia
 3. Heat disorders
 4. Antibiotics including (classification, mechanism of action and resistance)
 5. Immunization chemoprophylaxis and vaccination

-Clinical case discussion

5 sessions x 2 hours each (10 teaching hours)

- Incision academy courses 1hour/week (10 hr)

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12-We certify that all the information required to deliver this course 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 Ziada*.....

Head of quality assurance unit: Prof. Eslam Elhawary

Signature...*Dr. Eslam Elhawary*.....

