



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

2024-2025

**Course Specifications: Tropical Medicine and Infectious Diseases Diploma degree
Semester 2 (Infectious diseases) 2024-2025**

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 = 75 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: 3/9/2024

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.

Course Specifications: Tropical Medicine and Infectious Diseases Diploma degree
Semester 2 (Infectious diseases) 2024-2025

- 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.

**Course Specifications: Tropical Medicine and Infectious Diseases Diploma degree
Semester 2 (Infectious diseases) 2024-2025**

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-Course contents

Topics	No. of hours		
	Theoretical	Clinical training	Scientific activities
Infectious diseases	68 (4.5 cr.)	75 (2.5cr.)	60 (1 cr.)

Detailed curriculum and logbook are annexed

4-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 will be done with 70 % of course contents including (lectures, seminars, journal clubs, conferences and webinars attendance and some case presentations) will be online while the other 30 % including (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
Clinical training, bedside teaching, case presentation, mortality and morbidity meetings, 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

Course Specifications: Tropical Medicine and Infectious Diseases Diploma degree
Semester 2 (Infectious diseases) 2024-2025

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

5-Student Assessment

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

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

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

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

6- Assessment schedule

التقييم المستمر ويشمل تقييم المقررات الدراسية الإلزامية في نهاية كل فصل 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 للامتحان النهائي للجزء الثاني الا بعد اجتياز الفصول الدراسية الإجبارية و المقررات الاختيارية

يشترط النجاح في الجزء الاول و اجتياز جميع الفصول الدراسية و يتقدم الطالب للامتحان بعد استكمال الطالب للبرنامج التدريبي التخصصي و استيفاء نسبة حضور لا تقل عن 75% من الساعات المعتمدة و الحصول على موافقة رئيس القسم و 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 50% من الدرجة الكلية للامتحان التحريري على ان يكون النجاح بعد حصول الطالب على 60% لكل لجان المادة (التحريري أو الشفهي و العملي أو الأكلينيكي مجتمعة)

يعقد الاختبار مرتين سنوياً في شهري ابريل و أكتوبر من كل عام و يحق للطالب التقدم وفق بنود المادة 31 من اللائحة. و يتكون الامتحان من الاختبارات الآتية طبقاً للمادة 33 , 32 من اللائحة

1- اختباران تحريريان مدة كل منهما 3 ساعات الأول في الأمراض المعدية و الثاني في أمراض الكبد و الجهاز الهضمي

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

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

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

Course Specifications: Tropical Medicine and Infectious Diseases Diploma degree
Semester 2 (Infectious diseases) 2024-2025

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.

7- 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

8- List of references

8.1 Course notes:

- Handouts of journal clubs and seminars

8. 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.
- 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
- 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

9-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

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

Course Specifications: Tropical Medicine and Infectious Diseases Diploma degree
Semester 2 (Infectious diseases) 2024-2025

10. 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.
<p><u>Clinical approach to a case of fever:</u></p> <p>A- Bacterial infections</p> <ol style="list-style-type: none"> 1. Tuberculosis 2. Brucellosis 3. Tetanus 4. Diphtheria 5. Plague 6. Anthrax 7. Spirochetes including (Treponema, Leptospira) 8. Sepsis and septic shock <p>B- Parasitic infections</p> <ol style="list-style-type: none"> 1. Malaria 2. Leishmaniasis 3. Human Trypanosomiasis 4. Toxoplasmosis 5. Cryptosporidiosis 6. Cyclosporiasis <p>D- Helminthic infections:</p> <ol style="list-style-type: none"> 1. Cestodes: <ul style="list-style-type: none"> ○ Taeniasis ○ Hymenolepis nana ○ Diphyllbothrium latum 2. Nematodes: <ul style="list-style-type: none"> ○ Ascariasis, ancylostomiasis, enterobiasis, capillariasis ○ Strongyloidiasis ○ Trichinosis ○ Dracunculus medinensis ○ Filariasis (lymphatic, subcutaneous and serous cavity) 	<p>Each lecture 1½ h</p>	<p>-Clinical sheet 5 sessions x1 hours each (5 teaching hours)</p> <p>* Clinical training</p> <p>(15 teaching hours)</p> <p>*Bedside clinical teaching 1.5 hours twice /week for 10 weeks (30 teaching hours)</p> <p>*Case presentation and attendance two hours /week (15 teaching hours)</p> <p>-Clinical case discussion</p>	<p>- Journal club 1 hour/month</p> <p>-Attendance of seminars 2 hours/ week</p> <p>-Attendance of department scientific meetings and scientific days.</p> <p>-Attendance of conferences</p> <p>- Participation in workshops and training courses</p> <p>- Incision</p>	

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<p>3. Soil transmitted helminths</p> <p>E- <u>Viral infections</u></p> <ol style="list-style-type: none"> HIV: epidemiology, clinical features, management of HIV/AIDS and its opportunistic infections, prevention Viral hemorrhagic fevers Rabies Avian and swine flu Corona virus diseases <p>F- <u>Meningitis: Viral and bacterial</u></p> <p>G- <u>Other Topics:</u></p> <ol style="list-style-type: none"> Generalized lymphadenopathy Anemia Heat disorders Antibiotics including (classification, mechanism of action and resistance) Immunization chemoprophylaxis and vaccination 		<p>5 sessions x 2 hours each (10 teaching hours)</p>	<p>academy courses 1hour/week (10 hr)</p>	

**Course Specifications: Tropical Medicine and Infectious Diseases Diploma degree
Semester 2 (Infectious diseases) 2024-2025**

10-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.....

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

Head of quality assurance unit: Prof. Dina Ziada Signature.....

