



Quality Assurance Unit



Tanta University

Faculty of Medicine

Department of Tropical medicine and infectious diseases

Course Specifications

Tropical Medicine and infectious diseases Diploma degree

Hepatobiliary diseases course (Semester3)

TROPID 7007

2024-2025

**Course Specifications: Tropical Medicine and Infectious Diseases Diploma degree
Semester 3 (Hepatobiliary 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: Hepatobiliary 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 7007

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-Date of approval: 3/9/2024

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 hepatobiliary and splenic diseases in an ethical and professional manner applying basic hygiene, infection control, and quality principles.

2 – Intended learning outcomes (ILOs):

A-Knowledge and understanding:

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

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

**Course Specifications: Tropical Medicine and Infectious Diseases Diploma degree
Semester 3 (Hepatobiliary diseases) 2024-2025**

- a.3- Identify the basic theories and principles of basic science of diseases affecting the spleen, 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 it can be made safe (syringe disposal, tissue and blood specimen transport...etc.)
- a. 7- Define the recent advances on hepatobiliary diseases on the rise 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 hepatic diseases.
- b. 3- Interpret common medical problems related to biliary diseases.
- b. 4- Interpret common medical problems related to splenic diseases.
- b. 5- Categorize medical material related to the specialties from medical journals and present them in seminars.
- b. 6- Evaluate risks in hepatic, biliary and splenic diseases management practice through their practical training.
- b. 7- Formulate treatment plans according to available information in particular situations.
- b. 8- 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 hepatic, biliary and splenic 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 patients by real time abdominal ultrasound.
- c. 4- Compare and interpret common investigation reports related to the specialty (liver function test, CBC, PCR, viral panels, serology, autoimmune markers, 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.

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.

**Course Specifications: Tropical Medicine and Infectious Diseases Diploma degree
Semester 3 (Hepatobiliary diseases) 2024-2025**

- 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
Hepatobiliary and splenic 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
--------------------	------

**Course Specifications: Tropical Medicine and Infectious Diseases Diploma degree
Semester 3 (Hepatobiliary diseases) 2024-2025**

Lectures	a.1-a.7, b.5
Seminars	a.1-a.7
Journal clubs	b.2, b.3, b.4, b.5, b.8, d.2, d.3
Clinical training, bedside teaching and case presentation	b.1, b.2, b.3, b.4, b.6, b.7, c1, c2, c.3, c4, c.5, c.6, d.1, d.3, d.5
Online clinical teaching (incision academy-Tanta university- Tropical medicine graduate program Microsoft teams)	c.6, d.2, d.3, d.4, d.6
Assignments	c.2, d.4
Conference & workshop participation	a.1-a.7, b.5, a.7, c.3, c.6, d.4, d.6

5-Student Assessment

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

6- Assessment schedule

التقييم المستمر ويشمل تقييم المقررات الدراسية الالزامية والاختيارية في نهاية كل فصل دراسي من خلال الامتحانات ويستصدر للطالب شهادته بالنتيجة وكذلك يشمل التقييم المستمر البرنامج التدريبي من خلال تقارير نصف سنوية.

يرصد في سجل الطالب الدراسي Transcript جميع تقديراته الحاصل عليها في المقررات وتدخل جميعها في حساب **cumulative Grade Point Average (CGPA)** وهو المتوسط التراكمي للدرجات في جميع الفصول الدراسية. ولا يحسب للطالب مقرر حصل فيه علي تقدير اقل من (C-) ضمن الساعات المطلوبة للحصول علي الدرجة . ويجب عليه أعاده دراسة المقرر إذا كان إجباريا ويحق له دراسة مقرر بديل إذا كان اختياريا. وتدخل الدرجات الحاصل عليها في محاولاته في حساب المتوسط التراكمي للدرجات في جميع الفصول الدراسية (CGPA).

ويعقد امتحان نهائي شامل (Final Comprehensive Exam) تحريريا وشفويا وعمليا وإكلينيكيًا في درجة التخصص بعد اجتياز المقررات الدراسية بنجاح وبمتوسط تراكمي لا يقل عن (C+) وإلا توجب علي الطالب التسجيل في مقررات اختيارية اضافية أو أعاده بعض المقررات الالزامية لتحسين المتوسط التراكمي للدرجات. . يعقد الاختبار مرتين سنويا في شهري ابريل و أكتوبر من كل عام و يحق للطالب التقدم وفق بنود المادة 24 من اللائحة و التي تشترط استكمال

Course Specifications: Tropical Medicine and Infectious Diseases Diploma degree
Semester 3 (Hepatobiliary diseases) 2024-2025

logbook 75% والحصول على موافقة رئيس القسم قبل شهر من موعد الامتحان . و يتكون الامتحان من الاختبارات الآتية طبقاً للمادة 25,26,27,28 من اللائحة

- 1- اختباران تحريريان مدة كل منهما 3 ساعات الأول في الأمراض المعدية والثاني 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

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, Infectious hepatobiliary diseases, Infectious gastrointestinal 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

**Course Specifications: Tropical Medicine and Infectious Diseases Diploma degree
Semester 3 (Hepatobiliary diseases) 2024-2025**

8.1 Course notes:

- Handouts of journal clubs and seminars

8.2 Text books:

- Dooley, J., Lok, A., Garcia-tsao, G., Pinzani, M. (2018): *Sherlock's Diseases of the Liver and Biliary System*. 13th ed. John Wiley and sons.
- Schiff, E., Maddrey, W., Reddy, KR. (2018): *Schiff's Diseases of the Liver*. 12th ed McGraw-Hill.
- Friedman, S., Saltzman, J. (2022): *Greenberger's CURRENT Diagnosis & Treatment Gastroenterology, Hepatology, & Endoscopy*, 4th ed. Mc Graw Hill Lange.
- 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:

- 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
- Clinical care options/ Hepatitis <https://clinicaloptions.com>
- Medscape/ Gastroenterology <https://www.medscape.com/gastroenterology>
- Uptodate: <https://www.uptodate.com>
- AASLD liver learning: <https://liverlearning.aasld.org>
- 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 ultrasonography abdomen.

A list for hepatocellular carcinoma ablative therapy (alcohol injection, and radiofrequency and microwave ablation) is regulated weekly.

Daily clinics at the unit for control of viral hepatitis.

**Course Specifications: Tropical Medicine and Infectious Diseases Diploma degree
Semester 3 (Hepatobiliary diseases) 2024-2025**

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 in department or faculty library

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.
<ul style="list-style-type: none"> ❖ <u>Disorders of the liver:</u> <ul style="list-style-type: none"> ▪ Hepatic infections ▪ Biliary tract infections ▪ Noninfectious hepatitis ▪ Metabolic liver disease ▪ Vascular liver disease ▪ Cholestatic liver disease ▪ Hepatic focal lesions ▪ Liver transplantation ▪ Pregnancy related liver diseases ▪ Surgical risks in patients with liver diseases ❖ <u>Disorders of the gallbladder and biliary system</u> 	Each lecture 1½ hr	-Clinical sheet 5 sessions x1 hours each (5 teaching hours) * Clinical training (15 teaching hours) *Bedside clinical teaching 1.5 hours twice /week for 10 weeks (30 teaching hours) *Case presentation and attendance two hours /week (15	- Journal club 1 hour/month -Attendance of seminars2 hours/ week -Attendance of theses dissertations -Attendance of department scientific meetings and scientific days. -Attendance of conferences	

**Course Specifications: Tropical Medicine and Infectious Diseases Diploma degree
Semester 3 (Hepatobiliary diseases) 2024-2025**

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.
❖ <u>Disorders of the spleen</u>		teaching hours) -Clinical case discussion 5 sessions x 2 hours each (10 teaching hours)	- Participation in workshops and training courses - Incision academy courses 1hour/week (10 hr)	

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.....

