



Quality Assurance Unit



**Tanta University
Faculty of Medicine**

Department of Tropical Medicine and Infectious Diseases

Course Specifications (semester 5)

Hepatobiliary diseases course

Tropical Medicine and Infectious diseases

Doctorate Degree

2025/2026

TROPID 9007-Hepatobiliary diseases course for the Tropical Medicine and Infectious diseases Doctorate Degree-Course Specifications -2025-2026

Tropical Medicine and Infectious Diseases Doctorate Degree-Hepatobiliary diseases course (TROPID 9007) 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 Doctorate 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 9007.

5- Level: Second part/ Semester 5

6- No. of credit hour/ course: 8 credit hours

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

Parallel to the course during the same semester students also have:

- **Elective courses:** 1 credit hour = 15 hours
- **Scientific activity:** 1 credit hour = 15 hours

Total semester credit hours: 10 credit hours

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

B- Professional Information

1 – Overall Course aims

Our course aims to enable the candidates to expand their levels of knowledge, skills, and professional attitude producing a specialist able to add new in the fields of hepatobiliary diseases research, teach junior students, and implement an ethical and professional medical practice reflecting the mission of our faculty and the spirit of our department.

2 – Intended learning outcomes (ILOs):

a-knowledge and understanding:

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

- a.1-Define the basic theories, principles, and updates in pathogenesis of hepatobiliary, and splenic diseases.**
- a. 2- Discuss the theories, principles, and updates in pathogenesis of infectious diseases affecting the liver, biliary system, and spleen at physiological, pathological, and clinical levels.**
- a. 3-List the principles, methods, ethics, and various tools of medical research.**
- a. 4- List the ethical and legal principles of medical and professional practice.**
- a. 5- Identify the principles of quality assurance in medical practice.**

a. 6-Identify the effect of medical practice on the surrounding environment, and how to develop and protect the environment (current hepatic diseases in Egypt and worldwide, syringe disposal, tissue and blood specimen transport ...etc.).

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 hepatobiliary diseases.
- b. 3- Interpret common medical problems related to hepatobiliary and splenic diseases.
- b. 4- Design a nutritional plan for the management of hepatobiliary diseases
- b. 5- Plan medical research to add new to the specialty.
- b. 6- Design medical research papers.
- b.7-Evaluate risks in medical practice (Blood borne viral hepatitis infections, ...etc.).
- b. 10- Plan to further their career practice as hepatobiliary 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 hepatobiliary diseases, reduce nosocomial hepatobiliary infections...etc.).
- b. 13- Discuss medical issues and provide sound evidence- based arguments during the journal club.

c-professional&practical skills

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

- c. 1- Assess the patient using basic and recent professional medical skills in the specialty including abdominal ultrasound examination, diagnostic and therapeutic upper gastrointestinal endoscopy.
- c. 2- Design a professional medical report related to the career, reflecting case diagnosis and management plans, and respecting medicolegal aspects.
- c. 3- Evaluate medical methods and tools used in the specialty and share in its development and progress.
- c. 4- use advanced technological tools to serve their career.
- c. 5- Plan to develop their career and teach juniors.

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d-general transferable skills

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

- d.1-Judge effectively with patients and their relatives, transferring information about illness in clear and suitable words while respecting individual beliefs and backgrounds.
- d. 2- Apply basic computer-using skills.
- d. 3-Revise specified topics in the library books, medical journals, and on the internet (eg. assignments, journal clubs).
- d. 4- Use the practice of self- evaluation, reflection and specify his medical educational needs (eg, through tutorials).
- d. 5- Mange 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 medical education.
- d. 8-Justify adequately with all colleagues in a medical team.
- d. 9- Applyethical 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 (NAQAEE) 2009 implemented by the faculty council for medical degree of Doctorate on 24/9/2025.

4-Course contents

Topics	No. of hours	
	Theoretical	Clinical
Hepatobiliary diseases	75 (5cr)	180(3cr)

Detailed curriculum and logbook are annexed

5-Teaching and learning methods

Lectures, seminars, journal clubs, bed side teaching, 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 of case presentations) will

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be online while other 30 % including (bed side learning and case presentation) will be face to face in Tropical medicine and infectious diseases department.

Method of teaching	ILOs
Lectures	a1-a7
Seminars	a1-a7
Journal clubs	b2,b3,b4,b12,b13,d2,d3
Bed side teaching and case presentation	b1,b7,b8,b9,b10,b11,c1,c2,c4,c5,d1,d2,d4,d5,d6,d7,d8,d9,d10
Online clinical teaching (Incision academy- Tanta university- Tropical medicine- post graduate program)	c1,c3,c4, d2,d7
Assignments	C3, d2,d3,d7
Conference participation and attendance	C3, d2,d3,d7

6-Student Assessment

- 6.1 Theoretical exam to assess (a1,a3,a4,a5,b1,b2,b8,b9,d6)
- 6.2 Clinical exam .to assess (c1,d1,d4,d6,d8,d9)
- 6.3 Oralexam to assess...(a2,a3,a4,b3,b4,b5,b6,b7,c2,d6,d7)
- 6.4 Logbookand workplace assessment to assess (a6,a7,b3,b4,b5-13,c3,c4,d1,d2,d3,d4,d5,d7-10)

7- Assessment schedule

التقييم المستمر ويشمل تقييم المقرر التدرسيها لالزاميه الاختيار يه فيها كلفصلدراسي من خلال الامتحانات ويستصدر للطالب شهادة بالنسبة للنتيجة وكذلك شمل لتقييم المستمر تقييم المسار البحثي (الرسالة) والبرنامج التدرسي من خلال تقارير نصف سنوية.

يرصد في سجل الطالب الدراسي Transcript جميع تقديراتها الحاصلة عليها في المقرر او تدخل جميعها في حساب cumulative Grade (CGPA) Point Average وهو المتوسط لدرجاتها جميعا لفصول التدرسي. ولا يحسب الطالب المقرر حصليها لتقدير اقل من (C) ضمن الساعات المطلوبة للحصول على الدرجة. ويجب عليها اعادة دراسة المقرر اذا كان اجباريا ويحق لها اعادة دراسة المقرر بدلا اذا كان اختياريا. وتدخل درجاتها الحاصلة عليها في حساب المتوسط لدرجاتها جميعا لفصول التدرسي (CGPA).

ويعد امتحانها النهائي شامل (Final Comprehensive Exam) تحريريا وشفويا وعمليا واكينيكي في ايد جهات التخصص بعد اجتياز المقرر التدرسي بنجاح او بمعدل اقل من (C) والالتزام بـ جعلي الطالب لتسجيله في المقرر او اختياريا يضاف فيها اعادة بعض المقررات الالزامية لتحسين المتوسط لدرجاتها.

يتقدم الطالب لامتحانها النهائي بعد النجاح في الجزء الاول ويعد قبوله لدراسة شهرين على الاقل واجتياز 8 فصول دراسية بنجاح (4 اعوام متتاليين) ويشترط استكمال الطالب للبرنامج التدرسي المتقدم واستكمال نسبة حضور لا تقل عن 75% من الساعات المعتمدة وان يتقدم بمطالبة لاداء الامتحان من قابة كتيبة المتابعة (log book) معتمدة من القسم قبل بداية الامتحان بشهر على الاقل طبقا للمادة 34 من اللائحة

. ويتكون الامتحان من الاختبار الآتية طبقا للمادة 35 من اللائحة

- 1- اختبار تحريريا لمدة كل منهما 3 ساعات (يتم تخصيص الورقة الأولى للأمراض المعدية و الثانية للأمراض الكبد و الجهاز الهضمي)
- 2- اختبار أحريريا لمدة ساعة ونصف لاحتلالها لطلاب البشر حها وتشخيصها ووصف علاجها
- 3- اختبار اكلينيكي
- 4- اختبار شفوي

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 MD exam.

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

Method of Assessment		Marks / percentage
Final theoretical examination1		250/ 21,66 %
Final theoretical examination 2		200 /21,66 %
Final theoretical exam paper 3: Case commentary		200/ 16,66%
Final oral examination		200/10 %
Final Clinical examination	Long clinical case	150
	Short Clinicalcase 1	75
	Short Clinicalcase 2	75
	Viva examination (x-rays, CT, MRI, ECG)	100
	Total clinical marks	400/ 30%
Periodical examinations		Clinical and theoretical exams at the end of each course/semester should be passed with a grade of at least C -
Semester work/ Formative assessment		Logbook
Total		1250/ 100%

8- List of references

8.1 Course notes:

- Handouts of journal clubs and seminars

8.2 Text books:

- Mauss, Berb, Rockstroh, Sarrazin and Wedemeyer (2020): *Hepatology: A clinical textbook*. 10th ed. Saunders/ Elsevier.
- Bloom, S., L., Webster, G., Marks, D. (2022): *Oxford handbook of gastroenterology and hepatology*. 3rd ed. Oxford printing press.

- Schiff, E.R., D., Maddrey, W.C., Reddy, K.R. (2018): *Schiff's diseases of the liver*. 12th ed. Wiley-Blackwell.
- Dooley, J.S., Lok, A.S.F., Garcia-Tsao, G., Pinzani, M. (2028): *Sherlock's diseases of the liver and biliary system*.
- Papadakis, M.A., McPhee, S.J., Rabow, M.W. (2023): *Current medical diagnosis and treatment*. 62nd ed. McGraw Hill.

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, upper and lower gastrointestinal endoscopy and ERCP.

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

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

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

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Topics (Each topic for 1-4 lectures)	No of hours			
	Lectures 5 credit hours (75 hours)	Clinical training 3 credit hours (180 hours)	Scientific activities 1credit hour (60 hours)	Elective course 1credit hour (15 hour)
<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> ❖ <u>Disorders of the spleen</u> 	<p>Each lecture 1 ½ teaching hours</p>	<p>-Clinical sheet 10 sessions x3 hours each(30 teaching hours)</p> <p>- Bedside teaching</p> <p>3 hours three times /week for 10 weeks (90 teaching hours)</p> <p>-Case presentation and attendance three hours /week (30 teaching hours)</p> <p>-Clinical case discussion 10 sessions x 2 hours each (20 teaching hours)</p> <p>Incision</p>	<p>- Journal club 1 hour/week</p> <p>- Attendance of seminars</p> <p>2 hours/ week</p> <p>- Attendance of theses 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>	

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		academy courses 1 hour/week (10 hr)		
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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: 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*

