

**Hepatobiliary diseases course (TROPID 8007) for the Tropical Medicine
and Infectious diseases master's Degree- Course specification 2025-2026**



Quality Assurance Unit



**Tanta University
Faculty of Medicine**

Department of Tropical Medicine and Infectious Diseases

Course Specifications (semester 3)

Hepatobiliary diseases

Tropical Medicine and Infectious Diseases

Master's Degree

TROPID 8007

2025-2026

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University: Tanta **Faculty:** Medicine **Department:** Tropical medicine and infectious diseases

A- Administrative Information

1- Course title: Hepatobiliary 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 8007

5- Level: Second part/ third 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**

Total credit hours for the semester: 10 credit 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 hepatobiliary, splenic and pancreatic diseases in an ethical and professional manner applying basic hygiene infection control, and quality principles while 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:

- 1- Identify the basic theories and principles of basic science of endemic hepatobiliary diseases, regarding diagnosis, management, control, and prevention.
- 2- Identify the basic theories and principles of basic science of diseases affecting the liver, regarding diagnosis, management, control, and prevention.
- 3- Identify the basic theories and principles of basic science of diseases affecting the biliary system, spleen, and pancreas regarding diagnosis, management, control, and prevention.
- 4- List the ethical and legal principles of medical practice.
- 5- Identify the principles of quality assurance in medical practice.

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- 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-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 hepatic diseases.
- b. 3- Interpret common medical problems related to biliary diseases.
- b. 3- Interpret common medical problems related to hepatobiliary infections.
- b. 4- Interpret and solve common medical problems related to splenic and pancreatic diseases.
- b. 5- Collect related medical topics in medical journals for research purposes in the field
- b. 6-Evaluate risks in hepatobiliary, splenic and pancreatic disease management practice through their practical training.
- b. 7- Formulate treatment plans according to available information in particular situations.
- b. 8- Organize medical research concerning specified medical problems (thesis)
- b. 9- 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 hepatobiliary, splenic and pancreatic 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 and interpret diagnostic GI endoscopy findings
- c.4- Compare and interpret common investigation reports related to the specialty (radiology, ultrasonography, serology, chemistry, PCR, viral panels, serology, culture and sensitivity tests, ascitic fluid analyses, CBC, histopathology etc.)
- 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.

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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.
- d.7-Practice teamwork through collaboration with other specialties to reach a proper multidisciplinary diagnosis of a given case.
- d. 8- Assesseffective presentation skills, and usean evidence based scientific discussion.

3- Academic reference standard

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	
	Theoretical	Clinical
Hepatobiliary, splenic and pancreaticdiseases	75 (5cr)	180(3 cr)

Detailed curriculum and logbook are annexed

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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.

Method of teaching	ILOs
Lectures	a1-a7
Seminars	a1-a7
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 workshop participation and attendance	b10,C3, d2,d3,d7
Thesis	b.4, b.5, c.4

6-Student Assessment

Successfully passing the semester entails passing the end of semester written and clinical exams 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 written exam to assess (a1-a3,a7,b1-b6)
5. 2- Clinical exam to assess (a4, a5, a6, b1,b2, b3, b4, b5,b6,b7, b8, c1-c5, d1)
5. 3- Oral exam to assess (a1, a2,a3,a4,b1,b2,b3,b4,b5, d1, d3,d6,d7,d8)
- 5.4- Logbook and workplace assessment to assess(a1,a2,a3,b1,b2,b3,b4,b5,c4,c5,d1,d2,d3,d4,d5,d6)

7- Assessment schedule

التقييم المستمر ويشمل تقييم المقرر اتالدراسيهالانز اميهوالاختياريهفيناهايكلفصلدراسيهمنخللالامتحاناتويستصدر لل طالبشهادهابالنسبةوكذاكيشملالتقييمالمستمرتقييمالمسارالبحثي والبرنامجالتدريبيمنخلالالتقارير نصفسنويه.

يرصدفيسجلالطالبالدراسي Transcript جميعتقديراتهاالحاصلعليهاالمقرر اتوتدخلجميعهافيحساب cumulative Grade Point Average (CGPA) وهو المتوسطالتركيمللدرجاتفيجميعالفصولالدراسية. ولايحسبللطالبمقرر حصليفيهلتيقدير اقلمن (C) ضمنالساعاتالمطلوبةللحصولعليالدرجة ويجبعليهاعادهدراسيةالمقرر اذاكاناجبارياويحقلهدراسيةمقرر يديلاذكاناختياريا. وتدخلالدرجاتالحاصلعليهافيحسابالمتوسطالتركيمللدرجاتفيجميعالفصولالدراسية (CGPA).

ويعدامتحانهايشامل Comprehensive Exam) تحرير يواشفيواو عملياواكلينيكيافيدر جهالتخصصبعداجتياز المقرر اتالدراسيةبنجاحو بمتوسطتركيملياقلع ن(C+) والاتوجبعليالطالبالتسجيلفيمقرر اتاختياريهاضافيهواو عادهبعضالمقرر اتالانز اميهلتحسينالمتوسطالتركيملل درجات.

يتقدمالطالبلالامتحانالنهائيبعدالنجاحفيالجزءالاولوبعدقبولالرسالةبشهرينعلبالاقلواجتياز4فصولدراسيةبنجاحويشت رطاستكمالاطالبالببرنامجالتدريبيالمتقدمواستكمالنسبةحضور لاتقلعن 70% منالساعاتالمعمدةوانيتقدمبطلبدخولالامتحانمرفقا بكتابةالمتابعة) (log book) معتمدانالقسمنالبلدايةالامتحانبشهرعلالاقطبقةالمادة 34 مناللائحة . ويتكونالامتحانمنالاختبارالاتيةطبقةالمادة 35 مناللائحة

1- اختبارانحرير يانمدةكلمنهما 3 ساعات) على أن تكون الورقة الHولى مخصصة للأمراض المعدية و الورقة الثانية للأمراض الكبد و الجهاز الهضمي)

2- اختبارأكلينيكي

3- اختبارأشفييا

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 master's exam.

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8. Weighing of final assessments of the second part		
Method of Assessment		Marks
Final written examination paper 1: Hepatobiliary, splenic and pancreatic diseases and gastroenterology		185
Final written exam paper 2: Infectious diseases, Infectious hepatobiliary diseases, Infectious gastrointestinal diseases		185
Oral examination		150
Clinical	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:

- Kasper, D. L. (2017). *Harrison's gastroenterology and hepatology*. 3rd ed. McGraw-Hill Education.
- Schiff. E.R., Willis C. Maddrey. W.C., Reddy. K.R. et al. (2017). *Schiff's diseases of the liver*. 12th ed. Wiley-Blackwell.
- Dooley. J.S., Lok. A. S., Burroughs A.K., Heathcote. E. J. (2018): *Sherlock's Diseases of the Liver and Biliary System*. 12th ed. Wiley-Blackwell.
- 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.
- Papadakis, M.A., McPhee, S.J., Rabow, M.W. (2023): *Current medical diagnosis and treatment*. 62nd ed. McGraw Hill

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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

- Daily clinics at the unit for control of viral hepatitis.
- The department has regular daily lists for abdominal ultrasonography
- Daily upper and lower gastrointestinal endoscopy lists at the department GI endoscopy unit.
- Weekly department multidisciplinary list for hepatocellular carcinoma ablative therapy (alcohol injection, and radiofrequency).
- Weekly nutrition 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 faculty library.

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Topics of the course	No of hours			
	Lectures 5 credit hours (75 teaching hours)	Clinical training 3 credit hours (180 teaching hours)	Scientific activities 1 credit hour (60 hours)	Elective course 1 credit hour (15 hours)
<p>➤ Disorders of the liver</p> <ul style="list-style-type: none"> • Assessment of liver function (invasive and non- invasive) • Enterically transmitted viral hepatitis: A & E • Hepatitis B and D • Hepatitis C • Hepatitis due to non-hepatotropic viruses • Acute liver failure • Hepatic fibrosis & Portal hypertension • Hepatic cirrhosis • End stage liver disease <ul style="list-style-type: none"> -Hepatic encephalopathy -Ascites and spontaneous bacterial peritonitis -Hepatorenal syndrome • Autoimmune hepatitis • Alcohol induced liver disease <ul style="list-style-type: none"> -Metabolic dysfunction-associated steatotic liver disease (MASLD -α 1- antitrypsin deficiency -Hereditary hemochromatosis -Wilson's disease • Primary biliary cholangitis • Primary sclerosing cholangitis • Hepatic focal lesions <ul style="list-style-type: none"> -Hepatic cysts -Hepatic abscesses -Benign focal lesions (Hepatic adenomas, Focal nodular hyperplasia, Hepatic 	1½ teaching hours each	<p>-Clinical sheet 10 sessions x 3 hours each (30 teaching hours)</p> <p>- Bedside teaching 3 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 10 sessions x 3 hours each (30 teaching hours)</p> <p>-outpatient clinic case evaluation and</p>	<p>- Journal club 1 hour/week</p> <p>-Attendance of seminars 2 hours/ week</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>	

