



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

2024/2025

Course Specifications: hepatobiliary diseases course for the Tropical Medicine and Infectious diseases Doctorate Degree
2024-2025

Tropical Medicine and Infectious diseases Doctorate 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 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

6- No. of credit hour/ course:

Theoretical: 5 credit hours = 75 hours

Clinical: 3 credit hours = 90 hours

Elective courses: 1 credit hour = 15 hours

Scientific activity: 1 credit hour = 15 hours

Total: 10 credit hours

7-Authorization date of course specification: 3/11/2024

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 an academic specialist able to add new in the fields of tropical medicine, infectious diseases, hepatic, gastrointestinal and nutritional 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 program graduates should be able to:

a.1-Define the basic theories, principles, and updates in pathogenesis of hepatobiliary diseases.

a. 2- Discuss the theories, principles, and updates in pathogenesis of infectious diseases affecting the liver 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 program, 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 hepatic 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 particular 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 program, 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 medico legal aspects.
- c. 3- Evaluate medical methods and tools used in the specialty and share in its development and progress.
- c. 4- use of advanced technological tools to serve their career.
- c. 5- Plan to develop their career and teach juniors.

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).

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- 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- Apply ethical principles and confidentiality while treating patients.
- d. 10- Conduct scientific seminars with good time management.

3-Course contents

Topics	No. of hours	
	Theoretical	Clinical
Hepatobiliary diseases	75	90

Detailed curriculum and log book are annexed

4-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 be on line 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	c1,c3,c4, d2,d7

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program)	
Assignments	C3, d2,d3,d7
Conference participation and attendance	C3, d2,d3,d7

5-Student Assessment

5.1 Theoretical exam to assess (a1,a3,a4,a5,b1,b2,b8,b9,d6)

5.2 Clinical exam .to assess (c1,d1,d4,d6,d8,d9)

5.3 Oral exam to assess...(a2,a3,a4,b3,b4,b5,b6,b7,c2,d6,d7)

5.4 Logbook and workplace assessment to assess (a6,a7,b3,b4,b5-13,c3,c4,d1,d2,d3,d4,d5,d7-10)

6- Assessment schedule

التقييم المستمر ويشمل تقييم المقررات الدراسية الالزامية والاختيارية في نهايه كل فصل دراسي من خلال الامتحانات ويستصدر للطالب شهاده بالنتيجة وكذلك يشمل التقييم المستمر تقييم المسار البحثي (الرساله) والبرنامج التدريبي من خلال تقارير نصف سنويه.

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 اختياريًا. 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 اضافيه أو أعاده بعض المقررات الالزامية لتحسين المتوسط التراكمي للدرجات.

يتقدم الطالب للامتحان النهائي بعد النجاح في الجزء الاول و بعد قبول الرسالة بشهرين على الاقل واجتياز 8 فصول دراسية بنجاح (4 اعوام من تاريخ القيد) و يشترط استكمال الطالب للبرنامج التدريبي المتقدم و استكمال نسبة حضور لا تقل عن 75% من الساعات المعتمدة وان يتقدم بطلب دخول الامتحان مرفقا بة كتيب المتابعة (log book) معتمدا من القسم قبل بداية الامتحان بشهر على الاقل طبقا للمادة 34 من اللائحة

. و يتكون الامتحان من الاختبارات الآتية طبقا للمادة 35من اللائحة

- 1- اختباران تحريريان مدة كل منهما 3 ساعات في طب المناطق الحارة والأمراض المعدية
- 2- اختباراً تحريرياً مدته ساعة ونصف لحالة يتولى الطالب شرحها وتشخيصها ووصف علاجها
- 3- اختباراً إكلينيكي في طب المناطق الحارة
- 4- اختباراً شفوي في طب المناطق الحارة

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		250/21,66 %
Final theoretical exam paper 3: Case commentary		200/ 16,66%
Final oral examination		200/10 %
Final Clinical examination	Long clinical case	150
	Short Clinical case 1	75
	Short Clinical case 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%

7- List of references

7.1 Course notes:

- Handouts of journal clubs and seminars

7.2 Text books:

- Mauss, Berb, Rockstroh, Sarrazin and Wedemeyer (2020): *Hepatology: A clinical textbook*. 10th ed. Saunders/ Elsevier.

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- 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.

7.3 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.

7.4 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

8-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 data bases 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	No of hours			
	Lectures 4 credit hours (60 teaching hours)	Clinical training 3 credit hours (90 teaching hours)	Scientific activities 1credit hour	Elective course 1credit 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 align="center">Each lecture 1 ½ teaching hours</p>	<ul style="list-style-type: none"> -Clinical sheet 10 sessions x2 hours each(20 teaching hours) - Bedside teaching 1.5 hours twice /week for 10 weeks (30 teaching hours) -Case presentation and attendance two hours /week (20 teaching hours) -Clinical case discussion 5 sessions x 2 hours each (10 teaching hours) 	<ul style="list-style-type: none"> - Journal club 1 hour/week - Attendance of seminars 2 hours/ week - Attendance of theses dissertations - Attendance of department scientific meetings and scientific days. - Attendance of conferences - Participation in workshops 	

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		Incision academy courses 1hour/week (10 hr)	and training courses	
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9-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.....