



Quality Assurance Unit



**Tanta University
Faculty of Medicine**

Department of Tropical Medicine and Infectious Diseases

Course Specifications (Semester 6)

Gastrointestinal diseases

Tropical Medicine and Infectious Diseases Doctorate Degree

2024/2025

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

Gastrointestinal diseases course for 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: Tropical Medicine and Infectious Diseases for 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 9008.

5- Level: Second part

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

- Theoretical: 5 credit hours = 75 hours
- Clinical: 3 credit hours = 90 hours

NB: parallel to the course in same semester there are:

Scientific activities: 1 credit hour = 60 hours

Elective courses: 1 credit hour = 15 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 gastrointestinal 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- Discuss the theories, principles, and updates in pathogenesis of diseases affecting the gastrointestinal diseases at physiological, pathological, and clinical levels.
- a. 2-List the principles, methods, ethics, and various tools of medical research.
- a. 3- List the ethical and legal principles of medical and professional practice.
- a. 4- Outline the principles of quality assurance in medical practice.

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a. 5- Outline the effect of medical practice on the surrounding environment, and how to develop and protect the environment (current gastrointestinal infections in Egypt and worldwide...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 gastrointestinal diseases.
- b. 3- Interpret and solve common medical problems related to malabsorption.
- b.6- Lay out a nutritional plan for management of gastrointestinal diseases.
- b.7- Plan medical research to add new to the specialty.
- b. 8- Prepare medical research papers.
- b. 9-Evaluate risks in medical practice (Endoscopy risks etc.).
- b. 10- Plan to further their career practice as tropical medicine 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 gastrointestinal diseases, reduce nosocomial GI 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- Examine the patient using basic and recent professional medical skills in the specialty including abdominal ultrasound examination, diagnostic and therapeutic upper gastrointestinal endoscopy.
- c. 2- Prepare 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-Make 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-Communicate 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-Search for specified topics in the library books, medical journals, and on the internet (eg. assignments, journal clubs).

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- d. 4- Adopt the practice of self- evaluation, reflection and specify his medical educational needs (eg, through tutorials).
- d. 5- Mange time effectively and work well in team.
- d. 6-Guide the medical assisting team to apply the best possible medical care for the patients
- d. 7-Embrace life- long continuous medical education.
- d. 8-Communicate adequately with all colleagues in a medical team.
- d. 9-Employ ethical principles and confidentiality while treating patients.
- d. 10- Conduct scientific seminars with good time management.

3-Academic reference adopted

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 medical degree of diploma in 20/5/ 2018 was adopted as benchmark.

4-Course contents

Topics	No. of hours	
	Theoretical	Practical
Gastrointestinal diseases	75	90

Detailed curriculum and logbook are annexed

5-Teaching and learning methods

Lectures, seminars, journal clubs, bedside 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 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
Bedside teaching and case presentation	b1,b7,b8,b9,b10,b11,c1,c2,c4,c5,d1,d2,d4,d5,d6,d7,d8,d9,d10

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Online clinical teaching (incision academy- Tanta university- Tropical medicine- post graduate program 2021)	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 (a.1, a.2, a.3, a.4, a.5, a.6, a.7, a.8, b.1, b.2, b.6, b.9, c.2)

6.2 Clinical exam to assess (c.2, c.3, d.1)

6.3 Oral exam to assess (a.1, a.2, a.3, a.4, a.5, a.6, a.7, a.8, b.1, b.2)

6.4 Logbook and workplace assessment to assess (b.6, b.8, b.9, c.1, c.6, c.7, d.1, d.5, d.6, d.7, d.9)

7- Assessment schedule

التقييم المستمر ويشمل تقييم المقررات الدراسية الإلزامية والاختيارية في نهاية كل فصل دراسي من خلال الامتحانات ويستصدر للطالب شهادته بالنتيجة وكذلك يشمل التقييم المستمر تقييم المسار البحثي (الرسالة) والبرنامج 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 على تقدير أقل من (C) ضمن الساعات المطلوبة للحصول على الدرجة. ويجب عليه أعاده دراسة المقرر إذا كان إجبارياً ويحق له دراسة مقرر بديل إذا كان اختيارياً. وتدخل الدرجات الحاصل عليها في محاولاته في حساب المتوسط التراكمي للدرجات في جميع الفصول الدراسية (CGPA).

ويعقد امتحان نهائي شامل (Final Comprehensive Exam) تحريريًا وشفويًا وعمليًا وإكلينيكيًا في درجة التخصص بعد اجتياز المقررات الدراسية بنجاح وبمتوسط تراكمي لا يقل عن (C+) وإلا توجب على الطالب التسجيل في مقررات اختيارية إضافية أو أعاده بعض المقررات الإلزامية لتحسين المتوسط التراكمي للدرجات.

يتقدم الطالب للامتحان النهائي بعد النجاح في الجزء الأول و بعد قبول الرسالة بشهرين على الأقل 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 مرفقاً بـ كتيب المتابعة (log book) معتمداً من القسم قبل بداية الامتحان بشهر على الأقل طبقاً للمادة 34 من اللائحة

. و يتكون الامتحان من الاختبارات الآتية طبقاً للمادة 35 من 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

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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 examination paper 1		250/ 21,66 %
Final theoretical examination paper 2		250/21,66 %
Final theoretical exam paper 3: Case commentary		200/ 16,66%
Final oral examination		200/10 %
Final practical 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%

8- List of references

8.1 Course notes:

- Handouts of journal clubs and seminars

8.2 Textbooks:

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- Bloom, S., L., Webster, G., Marks, D. (2022): *Oxford handbook of gastroenterology and hepatology*. 3rd ed. Oxford printing press.
- Feldman, M., Friedman, L.S., Brandt, L.J. (2022): *Sleisenger and Fordtran's Gastrointestinal and Liver Disease, Review and Assessment*. 11th ed.
- Wang, T.C., Camilleri, M. (2022): *Yamada's Textbook of Gastroenterology*. 7th ed. Wiley Blackwell.
- 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/ Gastroenterology <https://clinicaloptions.com>
- Medscape/ Gastroenterology: <https://www.medscape.com/gastroenterology>
- 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 ultrasonography, upper and lower gastrointestinal endoscopy and ERCP.

Weekly GI clinic

Weekly IBD clinic

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	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 esophagus:</u> <ul style="list-style-type: none"> • Symptoms of esophageal disease (dysphagia, reflux, chest pain, odynophagia and globus sensation) • Nonmalignant disorders of the esophagus • Metaplastic and neoplastic disorders of the esophagus ❖ <u>Disorders of the stomach and duodenum:</u> <ul style="list-style-type: none"> • Nonmalignant disorders • Metaplastic and neoplastic disorders ❖ <u>Disorders of the small intestine:</u> <ul style="list-style-type: none"> • Nonmalignant disorders • Metaplastic and neoplastic disorders 	Each lecture 1 ½ teaching hours	-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)	- 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 - Participatio n in workshops	

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<ul style="list-style-type: none"> ❖ <u>Disorders of the large intestine:</u> <ul style="list-style-type: none"> • Nonmalignant disorders • Metaplastic and neoplastic disorders ❖ <u>Hereditary gastrointestinal cancer syndromes</u> ❖ <u>Gastrointestinal bleeding:</u> <ul style="list-style-type: none"> • Upper • Lower • Small bowel bleeding ❖ <u>Disorders of the pancreas:</u> <ul style="list-style-type: none"> • Nonmalignant disorders • Metaplastic and neoplastic disorders 		<p>incision academy courses 1hour/week (10 hr)</p>	<p>and training courses</p>	
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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: Ass. Prof. Nehad Hawash Signature.....

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

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

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