

**Gastrointestinal diseases course (TROPID 8008) for the Tropical Medicine and  
Infectious Diseases master's degree- Course Specifications-2025/2026**

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**Quality Assurance Unit**



**Tanta University  
Faculty of Medicine**

**Department of Tropical Medicine and Infectious Diseases**

**Course Specifications (semester 4)**

**Gastrointestinal diseases**

**Tropical Medicine and Infectious Diseases**

**Master's Degree**

**TROPID 8008**

**2025-2026**

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

**A- Administrative Information**

- 1- **Course title:** Gastrointestinal 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 8008
- 5- **Level:** Second part/Fourth 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**

Help the students address, demonstrate, and practice positive attitudes that will help them to perform medical research on sound scientific bases, and practice community health services related to gastrointestinal diseases in a professional and ethical manner applying basic hygiene and infection control principles 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:**

- a. 1-Identify the basic theories and principles of basic science of esophagogastric diseases, regarding diagnosis, management, control, and prevention.
- a. 2- Identify the basic theories and principles of basic science of intestinal diseases regarding diagnosis, management, control, and prevention.
- a.3- Identify the basic theories and principles of basic science of colorectal diseases regarding diagnosis, management, control, and prevention.
- a. 4- Identify the basic theories and principles of basic science that help in understanding clinical nutrition.
- a. 5- List the ethical and legal principles of medical practice.

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- a. 6- Identify the principles of quality assurance in medical practice.
- a. 7- 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. 8-State the recent advances of gastrointestinal diseases and infections on the rise in Egypt and the world.
- a. 9-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 esophagogastric diseases.
- b.3- Interpret common medical problems related to intestinal and colonic diseases.
- b.4- Interpret common medical problems related to gastrointestinal system infections .
- b.5- Categorize medical material related to the specialties from medical journals and present them in seminars.
- b.6-Examine risks in gastrointestinal disease management practice.
- 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 endemic and infectious 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 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, lumbar punctures, ascitic fluid analyses, CBC, histopathology, upper and lower gastrointestinal endoscopy 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- Assess effective presentation skills, and use an evidence based scientific discussion.

**3- Academic reference standard**

**Academic standard 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 master degree in 24/9/2025 were adopted as the benchmark.

**4-Course contents**

Topics	No. of hours	
	Theoretical	practical
Gastrointestinal system diseases	75 (5 cr)	180 (3cr)

Detailed curriculum and logbook are annexed

**5-Teaching and learning methods**

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Lectures, seminars, journal clubs, clinical training, bedside teaching, grand rounds, case presentation, assignments, conference participation observation and hands on practice.

<b>Method of teaching</b>	<b>ILOs</b>
<b>Lectures</b>	a1-a8
<b>Seminars</b>	a1-a9
<b>Journal clubs</b>	b2,b3,b4,d2,d3
<b>Clinical training, bedside teaching, case presentation, mortality and morbidity meetings, ward rounds and grand rounds</b>	b1,b7,b8,b9,c1,c2,c4,c5,d1,d2,d4,d5,d6,d7,d8
<b>Online clinical teaching (incision academy- Tanta university- Tropical medicine- post graduate program 2021)</b>	c1-d2,3,4
<b>Assignments</b>	C3, d2,d3,d7
<b>Conference and workshop participation and attendance</b>	b10,C3, d2,d3,d7
<b>Thesis</b>	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,b\`-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**

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التقييم المستمر ويشمل تقييم المقرر اتالدراسيها لالزامي هو الاختيار بهيئتها كلفصلدراسي من خلال الامتحانات ويستصدر لل طالبشهادته بالنتيجة وكذلك تشمل التقييم المستمر تقييم المسار البحثي والبرنامج التدرسي من خلال التقارير نصف سنوية.

يرصد في سجل الطالب بالدراسي Transcript  
جميعه تقديراته الحاصلة عليها في المقرر اتو تدخل جميعها في حساب cumulative Grade Point Average (CGPA) وهو المتوسط التراتر اكميلدرجات في جميع الفصول بالدراسي. ولا يحسب للطالب المقرر حصل فيه على تقدير اقل من (C) ضمن الساعات المطلوبة للحصول على الدرجة  
ويجب عليها عادة اسة المقرر اذا كان اجباريا ويحقله اسة مقرر بديلا اذا كان اختياريا.  
وتدخل درجاتها الحاصلة عليها في محاو لات ه في حساب المتوسط التراتر اكميلدرجات في جميع الفصول بالدراسي (CGPA).

ويعد امتحانها نهائي شامل Comprehensive Exam  
تحريريا وشفويا و عمليا و اكلينيكي فيدر جهالتخصص بعد اجتياز المقرر اتالدراسي بنجاح وبتوسط اكميل اقله ن (C+) و الا توجب على الطالب التسجيل في مقرر ات اختياريا بها ضافيا هو اعادة بعض المقرر ات الالزامي لتحسين المتوسط التراتر اكميل درجات.

يتقدم الطالب بالامتحان النهائي بعد النجاح في الجزء الاول و بعد قبوله لالرسالة بشهرين على اقل و اجتياز 4 فصول دراسية بنجاح ويشته رط استكمال الطالبلبرنامج التدرسي بالمتقدموا استكمال نسبة حضور لا تقل عن 75%  
من الساعات المعتمدة و ان يتقدم بطلب دخو لالامتحان رفقا بة كتيب المتابعة (log book)  
معتمد من القسم بدياة الامتحان بشهر على اقل طبقا للمادة ٣٤ من اللانحة  
ويتكون الامتحان من الاختبار ات الالية طبقا للمادة ٣٥ من اللانحة

١- اختبار انحريري امددة كل منهما ٣ ساعات (على ان تخصص الورقة الاولى لأسئلة الأمراض المعدية و الورقة الثانية لأسئلة الكبد و الجهاز الهضمي)

٢- اختبار اكلينيكي

٣- اختبار أشفيا

**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 master's exam.**

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**8. Weighing of final assessments of final examination 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
<b>Total</b>		<b>750</b>

**8- List of references**

**8.1 Course notes:**

- Handouts of Journal clubs and seminars

**8.2 Textbooks:**

- Kasper, D. L. (2018). *Harrison's gastroenterology and hepatology*. 3rd ed. McGraw-Hill Education.
- 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.
- Giroux, I. (2018): *Applications and case studies in clinical nutrition*. Wolters Kluwer, Lippincott Williams & Wilkins.

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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* 13<sup>th</sup> edition. Edinburgh: Churchill Livingstone, Elsevier.
- Glynn, M., and Drake, M.D. (2012): *Hutchison's clinical methods: An Integrated Approach to Clinical Practice*. 23<sup>rd</sup> ed. Edinburgh: Saunders.

**8.4 Periodicals and web sites:**

- Department Web site: [www.tanta.edu.eg/faculties/medicine/departments/tropical](http://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**

- Department daily abdominopelvic ultrasonography lists.
- Daily upper and lower GI endoscopy lists at the department's GI endoscopy unit.
- Weekly ERCP lists at the department's GI endoscopy unit.
- Weekly IBD clinics.
- Outpatient clinics
- Inpatient wards.
- Free Internet access for international databases is available for all 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)	Practical 3 credit hours (180 teaching hours)	Scientific activities 1credit hour (60 hours)	Elective course 1credit hour (15 hours)
<ul style="list-style-type: none"> <li>• <u>Disorders of the esophagus:</u> Gastroesophageal reflux disease Barrett's esophagus</li> <li>• <u>Disorders of the stomach and duodenum:</u> H pylori infection Peptic ulcer disease</li> <li>• <u>Disorders of the small and large bowel:</u> Celiac disease and non-celiac gluten sensitivity Malabsorption syndrome Inflammatory bowel diseases (IBD) Irritable bowel syndrome (IBS) Diverticular disease of the colon Gastrointestinal foreign bodies</li> <li>- <u>Achalesia</u></li> <li>• <u>Gastrointestinal bleeding:</u> <u>Causes, evaluation and management</u> Upper GI bleeding Lower GI bleeding</li> <li>• <u>Gastrointestinal cancers</u> Cancer esophagus Gastric carcinoma Colorectal cancer</li> </ul>	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</p> <p>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</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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<ul style="list-style-type: none"> <li>• <u>Imaging &amp; investigations of the gastrointestinal system</u>  <b>Ultrasound</b>  <b>CT</b>  <b>MRI</b>  <b>Indications, precautions and complications of upper GI endoscopy</b>  <b>Indications, precautions and complications of lower GI endoscopy</b>  <b>Indications and precautions for endoscopic polypectomy</b>  <b>Wireless capsule endoscopy &amp; small bowel enteroscopy</b>  <b>ERCP</b>  <b>Endoscopic ultrasound</b></li> <li>• <u>GI related bacterial infections:</u>  <b>Salmonella infections</b>  <b>Cholera</b>  <b>Important bacterial gastrointestinal pathogens other than salmonella and vibrio cholera: including Shigella, Campylobacter, E. Coli, Yersinia enterocolitica, and Clostridium difficile</b></li> <li>• <u>GI related parasitic infections:</u>  <b>Amoebiasis</b>  <b>Giardiasis</b></li> <li>• <b>Clinical approach to acute and chronic diarrhea</b></li> <li>• <b>Food poisoning including Botulism</b></li> </ul>		<p><b>reporting</b></p> <p>10 sessions x 1 hours each (10 teaching hours)</p> <p><b>- incision academy courses 1hour/wee k (10 hr)</b></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:** Prof. Nehad Hawash

Signature...*Nehad Hawash*.....

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

Signature...*Dina Ziadey*.....

**Head of quality assurance unit:** Prof. Eslam Elhawary

Signature.....

*Dr. Eslam Elhawary*  
كلية الطب - جامعة طنطا  
قسم الجودة