



Quality Assurance Unit



Tanta University
Faculty of Medicine

Department of Tropical medicine and infectious diseases

Course Specifications

Tropical Medicine and infectious diseases Diploma degree

Gastroenterology course (Semester 4)

TROPID 7008

2024-2025

**Course Specifications: Tropical Medicine and Infectious Diseases Diploma degree
Semester 4 (Gastroenterology) 2024-2025**

Tropical Medicine and Infectious Diseases Diploma Degree Course Specifications

University: Tanta

Faculty: Medicine

Department: Tropical medicine
and infectious diseases

A- Administrative Information

1- Course title: Gastroenterology course for Tropical medicine and infectious diseases diploma 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 7008

5- Level: second part

6- No. of Credit hours: 7 credit hours:

- Theoretical: 4.5 credit hours = 68 hours
- Clinical: 2.5 credit hours = 75 hours

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

Scientific activities for 1 credit hour = 60 hours

An elective course for 1 credit hour = 15 hours

6-Date of approval: 3/9/2024

1 – Overall Course aims

Our course aims to help the student acquire knowledge, skills and attitude that qualify him/her to perfect management of patients suffering from diseases of the gastrointestinal system and pancreatic diseases in an ethical and professional manner applying basic hygiene, infection control, and quality principles.

2 – Intended learning outcomes (ILOs):

A-Knowledge and understanding:

1. By the end of the course, graduates should be able to:

a. 1-Identify the basic theories and principles of basic science of upper gastrointestinal diseases, regarding diagnosis, management, control, and prevention.

- a. 2- Identify the basic theories and principles of basic science of lower gastrointestinal diseases, regarding diagnosis, management, control, and prevention.
- a.3- Identify the basic theories and principles of basic science of pancreatic diseases, regarding diagnosis, management, control, and prevention.
- a. 4- List the ethical and legal principles of medical practice.
- a. 5- Identify the principles of quality assurance in medical practice.
- 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-Define the recent advances of gastrointestinal and pancreatic diseases on the rise in Egypt and the world.

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 upper gastrointestinal diseases.
- b. 3- Interpret common medical problems related to lower gastrointestinal diseases.
- b. 4- Interpret common medical problems related to pancreatic diseases.
- b. 5- Categorize medical material related to the specialties from medical journals and present them in seminars.
- b. 6-Evaluate risks in gastrointestinal and pancreatic disease management practice through their practical training.
- 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 gastrointestinal 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.
- c. 4- Compare and interpret common investigation reports related to the specialty (upper and lower endoscopy, radiology, serology, chemistry, CBC etc.)
- c. 5- Compose a referring medical report about a clinical case, reflecting its diagnosis and management plan, and respecting medico-legal aspects.
- c.6- Improve their patient care practices based on constant self-evaluation and lifelong learning.

D- General transferable skills

By the end of the course, students 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.

3-Course contents

Topics	No. of hours		
	Theoretical	Clinical training	Scientific activities
Gastroenterology and pancreatic diseases	68 (4.5 cr.)	75 (2.5cr.)	60 (1 cr.)

Detailed curriculum and logbook are annexed

4-Teaching and learning methods

Lectures, seminars, journal clubs, clinical training, bedside teaching, grand rounds, 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 case presentations) will be online while the other 30 % including (bed side learning and case presentation) will be face to face at the Tropical medicine and infectious diseases department.

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Method of teaching	ILOs
Lectures	a.1-7
Seminars	a.1-7, b.2, b.3, b.4, b.5, b.7,
Journal clubs	a.7, b.2, b.3, b.4, b.8, d2, d.3, d.4, d.6
Clinical training, bedside teaching and case presentation	b1, b.2, b.3, b.4, b.6, b.7, c.1, c.2, c.3, c.4, c.5, d.1, d.3, d.4, d.5
Online clinical teaching (incision academy-Tanta university- Tropical medicine graduate program Microsoft teams)	c.1, c.6, d.2, d.3, d.4, d.6
Assignments	c.2, d.4
Conference & workshop participation	a.1-a.7, b.5, a.7, c.3, c.6, d.4, d.6

5-Student Assessment

5.1. Theoretical exam to assess (a.1, a.2, a.3, a.5, a.6, a.7, b.1, b.2, b.3, b.4, b.7, c.1)

5.2. Clinical exam to assess (a.4, b.2, b.3, b.4, b.6, c.2, c.4, c.5)

5.3. Oral exam to assess (a.1-7, b.1, b.2, b.3, b.4, b.7, c.1)

5.4. Logbook to assess (b.5, b.8, c.3, c.6, d.1-6)

6- Assessment schedule

التقييم المستمر ويشمل تقييم المقررات الدراسية الالزامية في نهايه كل فصل دراسي داخل الاقسام و كذلك يتم تقييم كتاب log book على ان يعتمد من رئيس القسم و المرشد الأكاديمي و تكون النتيجة في صورة اجتياز او رسوب وفي هذه الحالة يتم اعادة تقييم الطالب بواسطة القسم مع الفصول الدراسية اللاحقة و لا يتم الموافقة على الدخول لامتحان النهائي للجزء الثاني الا بعد اجتياز الفصول الدراسية الاجباريه و المقررات الاختيارية

يشترط النجاح في الجزء الاول و اجتياز جميع الفصول الدراسية و يتقدم الطالب لامتحان بعد استكمال الطالب للبرنامج التدريبي التخصصي و استيفاء نسبة حضور لا تقل عن 75% من الساعات المعتمدة و الحصول على موافقة رئيس القسم و المرشد الأكاديمي بالقسم قبل شهر من موعد الامتحان و في حالة رسوب الطالب يلزم فقط الحصول على موافقة رئيس القسم على طلب دخول الامتحان و في حالة الرسوب في الامتحان التحريري لا يجوز للطالب استكمال دخول الامتحان الشفهي أو العملي أو الأكلينيكي

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شرط النجاح في الأوراق التحريرية للجزء الأول و الجزء الثاني الحصول على 50% من الدرجة الكلية للامتحان التحريري على ان يكون النجاح بعد حصول الطالب على 60% لكل لجان المادة (التحريري أو الشفهي و العملي أو الأكلينيكي مجتمعة)

يعقد الاختبار مرتين سنوياً في شهري إبريل و أكتوبر من كل عام و يحق للطالب التقدم وفق بنود المادة 31 من اللائحة. و يتكون الامتحان من الاختبارات الآتية طبقاً للمادة 33 , 32 من اللائحة

1- اختباران تحريريان مدة كل منهما 3 ساعات الأول في الأمراض المعدية و الثاني في أمراض الكبد و الجهاز الهضمي

2- اختباراً إكلينيكي في الأمراض المعدية و أمراض الكبد و الجهاز الهضمي

3- اختباراً شفهي في الأمراض المعدية و أمراض الكبد و الجهاز الهضمي

يحتسب الجزء الثاني من الدبلومة مقابل 75% من الدرجات الكلية للدبلومة

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 Diploma exam.

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

7- Weighing of assessments

Method of Assessment	Mark
	170
Final written exam paper 2: Infectious diseases	170
Oral examination	135
Long Clinical case	100
Short Clinical case 1	50
Short Clinical case 2	50
Formative assessment	Logbook
Semester work	Clinical and theoretical exams after each semester should be passed
Total	675

8- List of references

8.1 Course notes

- Handouts of Journal clubs and seminars

8.2 Text books:

- 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.

9.3 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>
- AASLD guidelines: <https://www.aasld.org/practice-guidelines>
- CDs in the electronic library

9-Other resources/ facilities required for teaching and learning to achieve the above ILOs

Daily abdominopelvic ultrasonography lists

Daily upper and lower GI endoscopy lists.

Weekly ERCP lists.

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

Topics	No of hours			
	Lectures 4.5 cr. (68 h)	Clinical training 2.5 cr. (75 h)	Scientific activities 1 cr. (60 h)	Elective course 1 cr.
A. <u>Disorders of the esophagus:</u> <ul style="list-style-type: none"> Gastroesophageal reflux disease Barrett's esophagus 	Each lecture 1½hr	-Clinical sheet 5 sessions x1 hours each (5 teaching hours)	- Journal club 1 hour/month	
B. <u>Disorders of the stomach and duodenum:</u> <ul style="list-style-type: none"> H pylori infection Peptic ulcer disease 		* Clinical training (15 teaching hours)	-Attendance of seminars2 hours/ week	
C. <u>Disorders of the small and large bowel:</u> <ul style="list-style-type: none"> Celiac disease and non-celiac 		*Bedside clinical teaching 1.5 hours twice /week for 10	-Attendance of theses dissertations -Attendance of department scientific	

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<ul style="list-style-type: none"> gluten sensitivity ○ Malabsorption syndrome ○ Inflammatory bowel diseases ○ Colorectal cancer 		weeks (30 teaching hours) *Case presentation and attendance two hours /week (15 teaching hours) -Clinical case discussion	meetings and scientific days. -Attendance of conferences - Participation in workshops and training courses - Incision academy courses 1hour/week (10 hr)	
D. <u>Gastrointestinal bleeding: Causes, evaluation and management</u> <ul style="list-style-type: none"> ○ Upper GI bleeding ○ Lower GI bleeding 				
E. <u>Other GI topics</u> <ul style="list-style-type: none"> ○ Abdominal pain ○ Imaging of the gastrointestinal system. 		5 sessions x 2 hours each (10 teaching hours)		
F. <u>GI related bacterial infections:</u> <ul style="list-style-type: none"> ○ Salmonella infections including enteric fever ○ Cholera ○ Important bacterial gastrointestinal pathogens other than salmonella and vibrio cholera: including Shigella, Campylobacter, E. Coli, Yersinia enterocolitica, and Clostridium difficile 				

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	Lectures 4.5 cr. (68 h)	Clinical training 2.5 cr. (75 h)	Scientific activities 1 cr. (60 h)	Elective course 1 cr.
G- GI related parasitic infections:				
○ Amoebiasis				
○ Giardiasis				
H-Diarrhea (Acute and chronic)				
I- Food poisoning including				
Botulism				
J- Peritonitis				

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.....

