



Quality Assurance Unit



Tanta University
Faculty of Medicine

**Department of Tropical medicine and
Infectious Diseases**

Course Specifications

Tropical medicine and Infectious Diseases

Fifth Year

Malaysian students

2018-2019

1- Administrative Information

- **Course title: Tropical medicine and infectious diseases.**
- **Code: TMED.05:01**
- **Department offering the course: Tropical medicine and infectious diseases department.**
- **Program (s) on which this course is given: M.B.B.Ch**
- **Academic year/ Level : Fifth year of M.B.B.Ch**
- **Semester in which the course is given: All the academic year.**
- **Date of approval by department council: //2018**
- **Date of approval by faculty council: / /2018**
- **Taught hours : In one week**
 - **Lectures: 12 hours / week**
 - **Tutorial: 3 hours given as 30 minutes a day over 6 days.**
 - **Practical: 18 hours. Given as 3hrs daily for 6 days (1 and a quarter hours daily for the clinical round and 1 hour forty five minutes for the case discussion).**
 - **Total: 33 hours.**

2 - Overall Course Aims

Our course aims to:

- **Allow the student to acquire basic scientific knowledge essential to practice medicine at the primary level of health, dealing with health problems commonly met with in clinical practice with proper awareness of the social and community contexts of health care.**
- **Prepare a physician capable of diagnosing, managing, controlling and preventing infectious diseases and diseases endemic in Egypt, the surrounding region and Malaysia.**
- **Prepare a physician suited to working within primary health care settings and following the ministry of health and population policies, regulations and protocols.**
- **Enable the student to acquire basic clinical skills including: history taking, physical; particularly abdominal examination, interpretation of diagnostic investigations and sharing in laying treatment plans.**
- **Enable the student to acquire basic hygiene and infection control principles.**
- **Enable the student to acquire, address, and demonstrate positive attitudes that will help him/her achieve long life continuous medical education, and share in community health education.**

3- Intended learning outcomes (ILOs):

a) Knowledge and understanding:

By the end of the course, students should be able to:

- a1** Describe the causes, pathogenesis, clinical picture, investigations, treatment and prognosis of the diseases taught.
- a2** Identify the early manifestations of diseases that necessitate isolation and community related precautions.
- a3** State traveling related diseases and necessary vaccinations.
- a4** List the appropriate sterilization and disinfection modalities to avoid nosocomial as well as community acquired infections.
- a5** Illustrate epidemiology and methods of control and mass treatment in endemic diseases.

b) Intellectual skills

By the end of the course, students should be able to:

- b1** Summarize patient's data in a standard sheet and introduce it as a short oral presentation followed by discussion.
- b2** Interpret the most important symptoms and signs of endemic and infectious diseases to get the most feasible diagnosis, and mention needed investigations.
- b3** Differentiate between common clinical situations using appropriate problem solving skills and relevant ethical principles.
- b4** Point out the most appropriate and cost effective diagnostic laboratory investigations for common infections to reach the proper final diagnosis within a short time.
- b5** Classify factors that place individuals at risk for disease, to determine strategies for appropriate response.

c) Professional & practical skills

By the end of the course, students should be able to:

- c1** Construct a proper history, perform adequate clinical examination for a patient with general as well as gastro intestinal related symptoms, and identify deviations from normal in abdominal examination.
- c2** Draw a possible diagnosis from the physical signs related to the studied course such as jaundice, pallor, clubbing, edema, rash, fever, ascites and organomegaly.
- c3** Formulate a management plan for common diseases.
- c4** Write safe prescriptions of different types of drugs based on patient's weight, age and health condition.

d) General transferable skills, professional attitude and communication skills

By the end of the course, students should be able to:-

- d1** Allay patient anxiety and get his/her confidence, and respond effectively to his/her emotional and psychological concerns.
- d2** Explain to the patient and/or his relatives the nature of the disease, the diagnostic and therapeutic options and recommend life style modifications

- d3** Respect patients rights involving them or their caretakers in management decision
- d4** Understand and respect the different cultural beliefs and values in the community they serve.
- d5** Adopt the principles of life long learning.
- d6** Present information clearly.
- d7** Communicate ideas and arguments effectively.
- d8** Effectively manage time and resources.
- d9** Consider the resources of biomedical information including the available electronic facilities to update his /her knowledge and to manage and utilize information.
- d10** Follow rules of medical ethics.
- d11** Maintain a professional image in manner, dress, speech and interpersonal relationships that is consistent with the accepted contemporary medical profession standards.

4- Suggested Topics (Contents of the course)

Topic	No. of hrs.		
	Lectures	Practical/Small groups	Total
1. Pyrexia of unknown origin and concepts of infection control	1 h	1hour	2h
2. Malaria	1 h		1 h
3. Schistosomiasis and its sequelae (hepatic fibrosis, portal hypertension, cancer bladder....}	1 h	1 hour	2h
4.HIV and opportunistic infections	1 h		1h
5. Infectious diarrhea and dysentery	1 h		1h
6. CNS infections	1 h		1h
7. Infectious causes of jaundice	1 h	4 hours	5 h
8.Typhoid fever and Brucellosis	1 h		1
9. Viral hepatitis and its sequelae 1 (cirrhosis, liver failure and HCC, end stage liver disease.....)	1h	4 hours	5h
10. Viral hepatitis and its sequelae 2 (ascites, SBP, hepatorenal syndrome, hepatic encephalopathy.....)	1h	3 hours	4h
11. Helminthic infections (Fascioliasis, heterophys heterophys, taenia saginata and solium, hydatid disease, entrobilus vermicularis, trichinella spiralis, filariasis)	1h	1 hour	2h
12. Protozoal infections Proto (Amoebiasis, giardiasis, leishmaniasis, toxoplasmosis)	1h	1 hour	2h
13. Viral hemorrhagic fevers and heat disorders.		2 hours	2h
14. Clinical sheet, physical examination and research		4 hours	4 h
Total	12 hrs	21 hrs	33 hrs

5-Teaching and learning methods

- 5.1 Illustrated lectures (to implement knowledge and professional skills)
- 5.2 Clinical rounds and small groups (to implement intellectual skills)
- 5.3 Practical clinical techniques (to implement intellectual skills)
- 5.4 Tutorial.
- 5.5 Attendance with guidance.
- 5.6 Assignment (essay) (to implement general and professional skills and self learning)
- 5.7 Case presentation (to implement self learning, intellectual and professional skills)
- 5.8 Self learning and assessment: This is by case presentations and assignments prepared by the students.
- 5.9 E learning: An electronic copy of the course notes is available online

6- Student Assessment

It is to be noted that only end of round assessment (10 marks) is written here as other assessment schedules covering the rest of ILOs are included in internal medicine exams which are shared by the internal medicine department

a) Methods used

1. OSCE to assess 3b.2, 3c.1, 3c.2, 3d.1, 3d.6, and 3d.8.
2. Assignment to assess 3a.1, 3a.2, 3a.3, 3a.4, 3a.5, 3b.3, 3d.5, 3d.6, 3d.8., 3d.9
3. Log book

b) - Assessment schedule

Assessment	Week
1. End of round assessment (OSCE and Oral exams)	At the end of the clinical round
2. Final exam (Written and final practical exam)	At the end of the academic year
3. Assignment	At the end of the clinical round.

c) - Weighing of assessments

Exam	Marks	% of Total
End of round assessment (OSCE)	9	90%
Final term examination		
Other types of assessment: Assignment Self learning	1	10 %
Total		100%

d) Attendance criteria:

- Practical attendance: The minimal attendance in practical and tutorial classes is 75%.
- Log book

e) Grading System

Examination	Topic	Description	Marks
End of round assessment	OSCE	OSCE: Multiple stations in which the student is assessed according to a check list on performance of clinical skills taught during the course.	9 marks
	Assignment	Essay on specified topics	1 mark
	Self learning		
Final Examination	Written examination		35 marks
	Oral exam	Included within the internal medicine exam	
	Clinical exam		

7- List of references

7.1 Department ebook

Available for free download on the department face book page.

<https://www.facebook.com/TantaTropicalMedicine>

Registration number: 14773/2016

ISBN: 978 977 904 076 9

7.2- Course notes

- Handout of the lectures
- Approved national books

7.3Text books

- **Hutchison's clinical methods 23rd edition 2012.**
- Davidson's principles and practice of medicine 21st edition 2010.
- Kumar and Clark Clinical Medicine 8th edition 2012.

7.4 Recommended books

- Lecture notes on Tropical Medicine 7th edition 2014.
- Macleod clinical examination 12th edition 2009.

7.5 Periodicals and web sites

- **Web site:** www.tanta.edu.eg/faculties/medicine/departments/tropical
- www.nlm.ncbi.gov
- www.gastrojournal.org
- Royal society of tropical medicine and hygiene
- CDs in electronic library

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

We verify that the above course and the analysis of students and external evaluator opinions are accurate.

Course coordinators:

Name: Ferial El-Kalla Signature:..... Date:

Name: Abdelrahman Kobtan Signature:..... Date.....

Head of Tropical Medicine Department:

Name: Fathia Assal Signature Date.....

Head of quality assurance unit:

Name: Signature..... Date.....

Name of course

Tropical medicine and infectious disease

Code of course

TMED 05.01

University: Tanta University
 Faculty: Medicine
 Department: Tropical Medicine and Infectious diseases

Topics of the course	Day Study	Knowledge & Understanding	Intellectual Skills	Professional Skills	General transferable skills
Tropical Medicine an overview	First day				
Pyrexia of unknown origin	First day	3a.1, 3a.2,3a.3, 3a.4, 3a.5	3b.4, 3b.5	3c.3,3c.4	3d.5
Concepts of infection control	First day	3a.2, 3a.3, 3a.4, 3a.5	3b.2, 3b.3, 3b.5	3c.3,3c.4	3d.5
Malaria	First day	3a.1, 3a.2, 3a.3, 3a.4, 3a.5	3b.2, 3b.4, 3b.5	3c.3, 3c.4	3d.5
Schistosomiasis and its sequelae (hepatic fibrosis, portal hypertension, cancer bladder...)	Second day	3a.1, 3a.2, 3a.3, 3a.5	3b.2, 3b.3	3c.3, 3c.4	3d.5
HIV and opportunistic infections	Second day	3a.1, 3a.2, 3a.4, 3a.5	3b.2, 3b.3	3c.3, 3c.4	3d.5
Infectious diarrhea and dysentery	Third day	3a.1, 3a.2, 3a.3, 3a.	3b.2, 3b.3	3c.3, 3c.4	3d.5
CNS infections	Third day	3a.1, 3a.2, 3a.3, 3a.5	3b.2, 3b.3, 3b.4, 3b.5	3c.3, 3c.4	3d.5
Infectious causes of Jaundice	Fourth day	3a.1, 3a.2, 3a.3, 3a.4, 3a.5	3b.2, 3b.3	3c.3, 3c.4	3d.5
Typhoid fever and Brucellosis	Fourth day	3a.1, 3a.2, 3a.4, 3a.5	3b.2, 3b.3	3c.3, 3c.4	3d.5
Viral hepatitis and its sequelae 1 (cirrhosis, liver failure and HCC, end stage liver disease.....)	Fifth day	3a.1, 3a.2, 3a.3, 3a.4, 3a.5	3b.2, 3b.3	3c.3, 3c.4	3d.5
Viral hepatitis and its sequelae 2 (ascites, SBP, hepatorenal syndrome, hepatic encephalopathy)	Fifth day	3a.1, 3a.2, 3a.4, 3a.5	3b.2, 3b.3	3c.3, 3c.4	3d.5

Topics of the course	Day Study	Knowledge & Understanding	Intellectual Skills	Professional Skills	General transferable skills
Helminthic infections (Fascioliasis, heterophy heterophy, taenia saginata and solium, hydatid disease, entrobium vermicularis, trichinella spiralis, filariasis)	Sixth day	3a.1, 3a.2, 3a.3, 3a.4, 3a.5	3b.2, 3b.3	3c.3, 3c.4	3d.5
Protozoal infections (Amoebiasis, giardiasis, leishmaniasis, toxoplasmosis)	Sixth day	3a.1, 3a.2, 3a.3, 3a.4, 3a.5	3b.2, 3b.3	3c.3, 3c.4	3d.5
Clinical Sheet	First day of round		3b.1, 3b.2, 3b.3	3c.1, 3c.2	3d.1, 3d.2, 3d.3, 3d.4, 3d.5, 3d.6, 3d.7, 3d.8, 3d.10, 3d.11
Fevers	Second day of round	3a.1, 3a.2, 3a.3, 3a.4, 3a.5	3b.1, 3b.2, 3b.3, 3b.4, 3b.5	3c.1, 3c.2, 3c.3, 3c.4	3d.1, 3d.2, 3d.3, 3d.4, 3d.5, 3d.6, 3d.7, 3d.8, 3d.10, 3d.11
Schistosomiasis and its sequelae	Third day of round	3a.1, 3a.4	3b.1, 3b.2, 3b.3, 3b.5	3c.1, 3c.2, 3c.3, 3c.4,	3d.1, 3d.2, 3d.3, 3d.4, 3d.5, 3d.6, 3d.7, 3d.8, 3d.10, 3d.11
Viral hepatitis and infectious jaundice	Fourth day of round	3a.1, 3a.2, 3a.4, 3a.5	3b.1, 3b.2, 3b.3, 3b.4, 3b.5	3c.1, 3c.2, 3c.3, 3c.4	3d.1, 3d.2, 3d.3, 3d.4, 3d.5, 3d.6, 3d.7, 3d.8, 3d.10, 3d.11
Chronic viral hepatitis and it's sequelae	Fifth day of round	3a.1	3b.1, 3b.2, 3b.3, 3b.5	3c.1, 3c.2, 3c.3, 3c.4	3d.1, 3d.2, 3d.3, 3d.4, 3d.5, 3d.6, 3d.7, 3d.8, 3d.10, 3d.11
Viral hemorrhagic fevers and heat disorders	Sixth day of round	3a.1, 3a.2, 3a.4, 3a.5	3b.2, 3b.3 3c.3, 3c.4 3b.2, 3b.3	3c.3, 3c.4	d.5 ^r

Course coordinators :

Prof/ Ferial El-Kalla

Ass. Prof/ Abdelrahman Kobtan

Head of the Tropical Medicine department

Prof/ Fathia Assal

Matrix of the course ILOs with the Program ILOs

		Matrix of the course ILO,s with the Program ILO,s																
Course ILOS	program ILO	knowledge & understanding				Intellectual skills				Professional & practical skills				General , transferable, Professional Attitude and communication skills				
	knowledge & understanding	a.1.	a5															
a.2.		a8																
a.3.		a10																
a.4.		a14																
a.5.		a 11	a 13															
Intellectual skills	b.1.					b1												
	b.2.					b2	b5											
	b.3.					b6												
	b.4.					b2												
	b.5.					b 8												
Professional & practical skills	c.1.									c2	c3							
	c.2.									c4								
	c.3.									c6								
	c.4.									c4								
General , transferable, Professional Attitude and communication skills	d.1.															d1		
	d.2.															d8	d9	
	d.3.															d2		
	d.4.															d3		
	d.5.															d12		
	d.6.															d14		
	d.7.															d8		
	d.8.															d25		
	d.9.															d 13		
	d.10.															d 5		
	d.11.															d 17		