



إعتماد توصيف مقررات برنامج الدبلوم فى طب المناطق الحارة والجهاز

الهضمى

نقر نحن الموقعون على هذا أدناه أن توصيف وثيقة البرنامج التعليمى لدرجة الدبلوم فى طب المناطق الحارة والجهاز الهضمى والمقررات الدراسية المكونة له قد تم وضعها بمعرفة الأقسام

المعنية

م	اسم المقرر	اسم منسق المقرر	التوقيع	اسم رئيس القسم	التوقيع
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عميد الكلية



وكيل الكلية للدراسات العليا

Peer Revision

Reviewers	University	Date of Revision
- Prof. Dawlat Salem	Cairo	10/12/2011
- Prof. Ahmad K. Mansur	Mansura	28/11/2011

Program Specification for Tropical Medicine and Gastroenterology Diploma Degree

Sohag University

Faculty of Medicine

A- Basic Information

1. Program Title: Diploma degree in Tropical Medicine and Gastroenterology
2. Program Type: Single
3. Faculty: Faculty of Medicine
4. Department (s): Tropical Medicine and Gastroenterology ...
5. Coordinator: Dr/ Mahmoud Saif Al-Islam Abd Elfatah.
6. Assistant coordinator: Assistant Lecturer / Amr Mohammed. Zaghloul
7. External Evaluator(s) Prof./ Hamdy Mahfoz
8. Last date of program specifications approval: Faculty council No. "250", decree No. "1378" dated 28/12/2013.

B- Professional Information

1- Program Aims:

The aim of this program is to provide the postgraduate with the medical knowledge and skills essential for the professional practice of Tropical Medicine and Gastroenterology through providing:

- 1- Scientific knowledge essential for the practice of Tropical Medicine and Gastroenterology according to the international standards.
- 2- Skills necessary for proper diagnosis and management of patients including diagnostic, problem solving and decision- making skills.
- 3- Ethical principles related to the practice in this highly sensitive speciality.
- 4- Active participation in community needs management and problems solving.
- 5- Maintenance of abilities necessary for continuous medical education.

2- Attributes of the post graduate:

1. Application of the specific knowledge gained during practice of Tropical Medicine and Gastroenterology.
2. Identification of professional problems in this specialty and suggest solutions for them.
3. Mastering professional skills and usage of suitable technologies in practice of Tropical Medicine and Gastroenterology.
4. Ability to efficiently communicate and lead team works throughout organized professional work.
5. Decision making at the lights of the available information.
6. Perfect utilization of available resources.
7. Awareness of his role in community development and maintain good environment.

8. Reflects the commitment to act with integrity, credibility and professional norms and accountability.
9. Recognize the need to develop himself and to engage in continuous learning.

3- Program Intended Learning Outcomes (ILOs)

a) Knowledge and Understanding:

By the end of the study of diploma program in Tropical Medicine and Gastroenterology the Graduate should be able to:

- a1. Mention the normal structure and function of the gastrointestinal system.
- a2. Mention the normal gastrointestinal motility.
- a3. Describe the normal gastrointestinal secretion.
- a4. List the abnormal functions of the gastrointestinal and hepatobiliary systems.
- a5. Describe regulation of the normal body temperature.
- a6. Describe therapeutic intervention in hepatology and gastroenterology.
- a7. Enumerate methods of promoting GIT health and preventing their illness.
- a8. List the clinical picture and differential diagnosis of febrile illnesses.
- a9. Enumerate common diagnostic and laboratory techniques necessary to establish diagnosis of hepatic and GIT diseases.
- a10. Describe the various therapeutic methods/alternatives used for hepatic and GIT diseases.
- a11. List The principles and fundamentals of ethics and legal aspects of professional practice in the field of Tropical Medicine and Gastroenterology.
- a12. Mention the principles and fundamentals of quality of professional practice in the field of Tropical Medicine and Gastroenterology.
- a13. Mention the effect of professional practice on the environment and the methods of environmental development and maintenance.

b) Intellectual Skills

By the end of the study of diploma program in Tropical Medicine and Gastroenterology the Graduate should be able to:

- b1. Identify and analyze the information in the field of Tropical Medicine and Gastroenterology and rank them according to their priorities.
- b2. Solve problems in the area of Tropical Medicine and Gastroenterology.
- b3. Analyze researches and issues related to Tropical Medicine and Gastroenterology.
- b4. Assess risk in professional practice in the field of Tropical Medicine and Gastroenterology.
- b5. Make professional decisions in the light of the available data.

c) Professional and Practical Skills

By the end of the study of diploma program in Tropical Medicine and Gastroenterology the Graduate should be able to:

- c1. Apply professional skills in the field of Tropical Medicine and Gastroenterology.
- c2. Write medical reports.
- c3. Use appropriate technology in the field of Tropical Medicine and Gastroenterology.

d) General and Transferable Skills

By the end of the study of diploma program in Tropical Medicine and Gastroenterology the Graduate should be able to

- d1. Communicate effectively by all types of effective communication.
- d2. Use information technology to serve the development of professional practice.
- d3. Assess himself and identify personal learning needs.

- d4. Use different sources to obtain information and knowledge.
- d5. Work in a team, and team's leadership in various professional contexts.
- d6. Lead team in familiar professional contexts.
- d7. Learn himself continuously.

4- Academic Standards

Sohag Faculty of Medicine adopted the general National Academic Reference Standards*(NARS) provided by the National Authority for Quality Assurance and Accreditation of Education (NAQAEE) for postgraduate programs. This was approved by the faculty council decree No 6854 in its session No 177 Dated: 18/5/2009. Based on these NARS; Academic Reference standards (ARS) were suggested for this program. These ARS were approved by the faculty council decree No.7528 in its session No.191, dated 15/3/2010. The adoption of NARS and the suggested ARS were approved by University council degree No 587, in its session No.60. Dated 26-12-2011

5- Curriculum Structure and Contents

5.a- Program duration...3 semesters (1.5 year)

5.b- Program structure

Subject	hours /week		
	Lectures	Practical	Clinical
First Part: (one semester).			
Physiology	2	---	---
Pathology	1	2	---
Clinical Pathology	1	2	
Microbiology and Immunology	1	2	---
Parasitology	1	2	---
Public health and Community Medicine	2	---	---
Biostatistics	1	2	
Second Part: (two semesters).			
Tropical Medicine and Gastroenterology module	3.5	---	8
Internal Medicine module	3.5		6

code	Item	No	%	
b.i	Total credit hours	Compulsory	42	100
		Elective	0	0
		Optional	0	0
b.iii	credit hours of basic sciences courses	12	28.5	
b.iv	credit hours of courses of social sciences and humanities	0	0	
b.v	credit hours of specialized courses:	15	35.7	
b.vi	credit hours of other course	15	35.7	

b.viii	Program Levels (in credit-hours system): Level 1: 1 st part Level 2: 2 nd Part	14 28	33.3 66.6
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6- Program Courses

6.1- Level/Year of Programme...1st part..... Semester...1.....

a. Compulsory

Course Title	No. of credit hrs	No. of hours /week			Program ILOs Covered (By No.)
		Lect.	Prac.	Clin.	
Physiology	2	2	---	---	a1,a2,a3,a5,b2,c3,d2
Pathology	2	1	1	---	a4,a9,b2,c3,d2
Clinical pathology	2	1	1		
Microbiology and Immunity	2	1	1	---	a9,b2,c3,d2
Parasitology	2	1	1	---	a9,b2,c3,d2
Public health and Community medicine	2	2			a7,b5,c3,d5,d6
Biostatistics	2	1	1		a15, a16, b3, c1, d3
Second part semester: 2,3					
Tropical medicine module	15	7		8	a9,a10,a11,b1,b3,b4,c1,c3,d4,d6
Internal medicine module	13	7		6	a4,a8,a12,b1,c2,c3,d5,d7

7- Program Admission Requirements

General Requirement

- Candidate should have either:
 - MBBCh Degree from any Egyptian Faculty of Medicine or
 - Equivalent Degree from Medical Schools abroad approved by the Ministry of Higher Education.
- Candidate should complete the house office training year.
- Follow postgraduate regulatory rules of Sohag Faculty of Medicine.

8- Regulations for Progression and Program Completion

Duration of program is 3 semesters (1.5 years), starting from registration till the second part exam; divided to:

First Part: (≥ 6 months=1 semester):

- Program-related basic science courses
- At least six months after registration should pass before the student can ask for examination in the 1st part.
- Two sets of exams: 1st in April — 2nd in October.
- For the student to pass the first part exam, a score of at least 60% in each curriculum is needed (with at least 40% of the written exam).
- Those who fail in one curriculum need to re-exam it only.

Second Part: (≥ 12 months=2 semesters):

- Program related specialized science of Tropical Medicine and gastroenterology Courses.
- After passing at least:

- 12 months training in the department of tropical medicine and gastroenterology.
- The student should pass the 2nd part exam (either in April or October).
- For the student to pass the second part exam, a score of at least 60% is needed (with at least 60% of the written exam, and 50% of the oral, clinical and practical exam).

9- Methods of Student Assessments:

Method of assessment	The assessed ILOs
1-Research assignment	- General transferable skills, intellectual skills
2-Written Exam: -Short essay: 40% -structured questions: 25% -MCQs: 20% -Commentary, Problem solving: 15%	- Knowledge - Knowledge - Knowledge, intellectual skills - Intellectual skills, General transferable skills
3-OSCE	-Practical skills, intellectual skills, general transferable skills
4-OSPE	-Practical skills, intellectual skills
5-Structured Oral Exam	- Knowledge, Intellectual skills, General transferable skills

Assessment schedule:

Part I:

Pathology, Medical Microbiology and Immunology and Community Medicine and public Health and Medical statistics: Written Exam (3 hours) + structured oral Exam.

Part II: -

Internal Medicine: Written Exam (3 hours) + Structured oral Exam.

Chest Diseases and Tuberculosis: Written Exam (3 hours) + OSCE + OSPE +

Structured oral Exam + screening patients for at least three the number one case of Internal Medicine+ one written exam containing commentary.

10- Evaluation of Program Intended Learning Outcomes

Evaluator	Tool	Sample
1-Senior students	questionnaire	3
2-Alumni	questionnaire	0
3-Stakeholders (Employers)	questionnaire	5
4-External Evaluator(s) (External Examiner(s))	reports	1
5-Other		

3. Course Contents:

Topic	No. of hours	Lectures	Practical
<u>General Bacteriology</u>			
Bacterial structure	3.5	1.5	2
Bacterial genetics	1	-----	1
Recombinant DNA technology	1	-----	1
Antibiotics	2	----	2
Sterilization & Disinfection	4.5	1.5	1
<u>Systematic Bacteriology</u>		-----	
Gram +ve cocci	3.5	2	1.5
Gram –ve cocci	3.5	2	1.5
Gram +ve bacilli	3.5	2	1.5
Gram –ve bacilli	4.5	3	1.5
<u>Mycology</u>		-----	
Fungal classifications	1	-----	1
Opportunistic mycosis& Antifungal drugs	5.5	3	2.5
<u>Immunology</u>		---	
Congenital & Acquired Immunity	2.5	-----	2.5
Immunological Cells	1.5	-----	1.5
Hypersensitivity	1.5	-----	1.5
Transplantation	2	-----	2
Tumor Immunology	1	-----	1
Immunodeficiency	2	-----	2
<u>General virology</u>	2	-----	2
<u>Systematic Virology</u>			-----
RNA viruses	2.5	-----	2.5
DNA viruses	2.5	-----	2.5
Total	45	15	30

4. Teaching and Learning Methods:

4.1- Lectures.

4.2- Department practical class and notes.

4.3- Practical lessons

5- Student Assessment Methods:

5. Student Assessment Methods

Method of assessment	The assessed ILOs
5.1- Observation of attendance and absenteeism.	- General transferable skills, intellectual skills
5.3-Written Exam: -Short essay: 40% -structured questions: 25% -MCQs: 20% -Commentary, Problem solving: 15%	- Knowledge - Knowledge - Knowledge, intellectual skills - Intellectual skills, General transferable skills,
5.4-Structured Oral Exam	- Knowledge, Intellectual skills, General transferable skills
5.5-OSCE	-Practical skills, intellectual skills General transferable skills

Assessment schedule:

Assessment	final written exam	Week 48
Assessment	OSCE	Week 48
Assessment	final Structured Oral Exam	Week 48

Weighting of Assessments

Final- written Examination	50%
Structured Oral Examination	30%
OSCE	20%
Total	100%

Formative only assessments: attendance and absenteeism

6. List of References:**6.1. Course Notes:**

Notes of the department and practical notebook
Prof. Abla Elmeshad.

6.2. Essential Books (Text Books):

Jawetz Medical Microbiology.
Roitt Essential Immunology.
Abbas Clinical Immunology
Alberts Molecular Biology

6.3. Recommended Books:

A coloured Atlas of Microbiology.
Topley and Wilson, Microbiology

6.4. Periodicals, Web Sites, ... etc

Microbiology
Immunology
<http://mic.sgmjournals.org/>

7. Facilities Required for Teaching and Learning:

- Library & textbooks.
- Computer & data show.
- Internet connection.

Course Coordinator: Dr. Mona Fatoh Mohamed

Head of Department: Dr. Abeer M. Shenief

Date: 18/12/2011, **Revised:**1/9/2012, **Revised:**1/12/2013

Course Specification of Pathology for Diploma Degree (first part) of Tropical Medicine and Gastroenterology

Sohag University

Faculty of Medicine

1. Program on which the course is given: Diploma Degree in Tropical Medicine and Gastroenterology.
2. Major or minor element of program: Minor.
3. Department offering the program: Tropical Medicine and Gastroenterology
4. Department offering the course: Pathology.
5. Academic year / level: Tropical Medicine and Gastroenterology 1st part of Diploma Degree.
6. Date of specification approval: Faculty council No. "250", decree No. "1378" dated 28/12/2013

A. Basic Information

Title: **Pathology**

Code: PAT0530-100

Credit Hours:2

Lecture: 1 hours/week.

Tutorial: - Practical: 2 hour/week.

Total: 3hours/week.

B. Professional Information

1-Overall Aims of Course

- To use precisely medical biostatistics and computer programs

2- Intended Learning Outcomes (ILOs):

By the end of the course, the post graduate students should be able to have the professional knowledge of Pathology and Clinical Pathology and different laboratory diagnosis of disease especially those prevalent in our locality. The post graduate student should know how to interpret the results of different laboratory data.

a) Knowledge and Understanding:

By the end of the study of Diploma Degree in Tropical Medicine and Gastroenterology the Graduate should be able to:

- a1. Mention the normal structure and function of the gastrointestinal system
- a2. Mention the normal gastrointestinal motility
- a3. Enumerate the normal gastrointestinal secretion
- a4. List the abnormal gastrointestinal and hepatobiliary functions
- a5. Describe regulation of the normal body temperature
- a6. Describe therapeutic intervention in hepatology and gastroenterology
- a7. Enumerate Methods of promoting GIT health and preventing their illness.
- a8. List the clinical picture and differential diagnosis of febrile illnesses.
- a9. Enumerate common diagnostic and laboratory techniques necessary to establish diagnosis of hepatic and GIT diseases
- a10. Describe the various therapeutic methods/alternatives used for hepatic and GIT diseases.
- a11. Describe scientific developments in the field of Tropical medicine and Gastroenterology

- a12. Understand the mutual influence between professional practice and its impact on the environment.
- a13. Mention the ethical and legal principles of professional practice in the field of Tropical medicine and Gastroenterology
- a14. List the principles and fundamentals of quality of professional practice in the field of Tropical Medicine and Gastroenterology
- a15. List the basis and ethics of scientific research

b) Intellectual Skills

By the end of the study of Diploma Degree in Tropical Medicine and Gastroenterology the Graduate should be able to:

- b1. Interpret data acquired through history taking to reach a provisional diagnosis for hepatic and GIT problems.
- b2. Select from different diagnostic alternatives the ones that help reaching a final diagnosis for hepatic and GIT problems.
- b3. Link between knowledge for professional problem solving
- b4. Conduct a research study and / or write a scientific study on a research problem.
- b5. Assess risk in professional practice in the field of Tropical Medicine and Gastroenterology
- b6. Plan to improve performance in the field of Tropical Medicine and Gastroenterology
- b7. Identify gastrointestinal and hepatic problems and find solution
- b8. Analyze research and issues related to the Tropical Medicine and Gastroenterology

c) Professional and Practical Skills

By the end of the study of Diploma Degree in Tropical Medicine and Gastroenterology the Graduate should be able to

- c1. Master the basic and modern professional skills in the area of Tropical Medicine and Gastroenterology
- c2. Write and evaluate medical reports.
- c3. Assess methods and tools existing in the area of Tropical Medicine and Gastroenterology

d) General and Transferable Skills

By the end of the study of Diploma Degree in Tropical Medicine and Gastroenterology the Graduate should be able to

- d1. Communicate effectively by all types of effective communication
- d2. Use information technology to serve the development of professional practice.
- d3. Assess himself and identify personal learning needs
- d4. Use different sources to obtain information and knowledge
- d5. Develop rules and indicators for assessing the performance of others.
- d6. Work in a team, and team's leadership in various professional contexts.
- d7. Manage time efficiently
- d8. Learn himself continuously

3- Course Contents:

Topic	Total	Lectures	Practical
1- General Pathology:	5.5	4	1.5
1.1. Immunity and hypersensitivity.			
1.2. Infectious diseases.			
1.3. Diagnostic cytology.			
2- Gastrointestinal tract:	7	5	2
2.1. Gastritis, duodenitis and enteritis.			
2.2. Peptic ulcers and gastric carcinoma			
2.3. Inflammatory bowel disease			

2.5. Typhoid fever and bacillary dysentery.			
3- Liver and biliary passages.	7	5	2
3.1. Hepatitis and liver cirrhosis.			
3.2 Portal hypertension and liver cell failure.			
3.3. Jaundice and cholestasis.			
4 -Diseases of blood, lymph nodes, and spleen:	7	5	2
4.1. Leukemia and myeloproliferative disorders			
4.2. Lymphadenopathy and lymphomas			
Total	45	15	30

4- Teaching and Learning Methods

- 4.1. Lectures.
- 4.2. Gross picture and histopathology (Jars & slides).

5- Student Assessment Methods

Method of assessment	The assessed ILOs
5.1- Observation of attendance and absenteeism.	- General transferable skills, intellectual skills
5.3-Written Exam: -Short essay: 40% -structured questions: 25% -MCQs: 20% -Commentary, Problem solving: 15%	- Knowledge - Knowledge - Knowledge, intellectual skills - Intellectual skills, General transferable skills,
5.4-Structured Oral Exam	- Knowledge, Intellectual skills, General transferable skills
5.5-OSCE	-Practical skills, intellectual skills General transferable skills

Assessment schedule:

Assessment	final written exam	Week48
Assessment	OSCE	Week48
Assessment	final Structured Oral Exam	Week48

Weighting of Assessments

Final- written Examination	50%
Structured Oral Examination	30%
OSCE	20%
Total	100%

Formative only assessments: attendance and absenteeism

6- List of References

6.1- Course Notes:

Principles of General and Special Pathology;

Gamal Nada.

6.2- Essential Books (Text Books):

- Muir's text book of pathology.
- Robbins pathologic basis of diseases.

6.3- Recommended Books:

- Rosi & Ackerman text book of pathology.
 - Sternberg text book of pathology.
- 6.4- Periodicals, American journal of pathology.**
Human pathology
Web Sites: <http://www.ncbi.nlm.nih.gov/pubmed/>

Course Coordinator: Fatma El-Zaharaa Salah El Deen

Head of Department: Dr. Eman Muhammad Salah El Deen

Date: 18/12/2011, **Revised:**1/9/2012, **Revised:**1/12/2013

Course Specification of Clinical and Chemical Pathology for Diploma Degree of Tropical Medicine and Gastroenterology

Sohag University

Faculty of Medicine

1. Program on which the course is given: Diploma Degree in Tropical Medicine and Gastroenterology.
2. Major or minor element of program: Minor.
3. Department offering the program: Tropical Medicine and Gastroenterology
4. Department offering the course: Clinical and Chemical Pathology.
5. Academic year / level: Tropical Medicine and Gastroenterology 1st part of Diploma Degree.
6. Date of specification approval: Faculty council No. "250", decree No. "1378" dated 28/12/2013

A. Basic Information

Title: Clinical and Chemical Pathology.

Code: CLIP0530-100

Credit Hours: Lecture: 1hours/week.

Tutorial: - Practical: 2hour/week. Total: 3 hours/week.

B. Professional Information

1- Overall Aims of Course

- To use precisely medical biostatistics and computer programs

2- Intended Learning Outcomes (ILOs):

By the end of the course, the post graduate students should be able to have the professional knowledge of Pathology and Clinical Pathology and different laboratory diagnosis of disease especially those prevalent in our locality. The post graduate student should know how to interpret the results of different laboratory data.

a) Knowledge and Understanding:

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

- a1. Enumerate common laboratory techniques necessary to establish diagnosis of infectious and gastrointestinal diseases.

b) Intellectual Skills:

By the end of the course the student should be able to:

- b1. Interpret results of different laboratory investigations concerned with gastrointestinal diseases.
- b2. Interpret results of different laboratory investigations concerned with infectious diseases.
- b3. Learn the basis of serological tests.

c) Professional and Practical Skills:

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

- c1. Use basic appropriate clinical pathology technology in the field of Tropical Medicine and Gastroenterology.

c2. Link the clinical data with the results of laboratory tests to reach the diagnosis.

d) General and Transferable Skills:

By the end of the course the student should be able to:

- d1. Use the sources of clinical pathology information to remain current with the advances in knowledge and practice.
- d2. Use data analysis and communication skills.
- d3. Be willing to work through systems, respect and collaborate with other members of the students.

3- Course Contents:

Topic	No. of hours	Lectures	Practical
Liver function tests	6	2	4
Different types of anemia	8	2	6
Malabsorption tests	7	3	4
Urine examination	6	2	4
Stool examination	6	2	4
CSF interpretation	6	2	4
Serological tests	6	2	4
Basics type interpretation			
Total	45	15	30

4- Teaching and Learning Methods

- 4.1. Lectures.
- 4.2. Gross picture and histopathology (Jars & slides).

5- Student Assessment Methods

Method of assessment	The assessed ILOs
5.1- Observation of attendance and absenteeism.	- General transferable skills, intellectual skills
5.3-Written Exam: -Short essay: 40% -structured questions:25% -MCQs: 20% -Commentary, Problem solving: 15%	- Knowledge - Knowledge - Knowledge, intellectual skills - Intellectual skills, General transferable skills,
5.4-Structured Oral Exam	- Knowledge, Intellectual skills, General transferable skills
5.5-OSCE	-Practical skills, intellectual skills General transferable skills

Assessment schedule:

Assessment	final written exam	Week48
Assessment	OSCE	Week48
Assessment	final Structured Oral Exam	Week48

Weighting of Assessments

Final- written Examination	50%
Structured Oral Exam	30%
OSCE	20%
Total	100%

Formative only assessments: attendance and absenteeism

6- List of References

6.1. Course Notes:

Notes of the department and practical notebook.....

6.2. Essential Books (Text Books):

Essential Books (Text Books):

6.3- Recommended Books:

Color Atlas of Hematology of Harald Thelml.

Atlas of Clinical Hematology of Douglas C. Tkachuk..

6.4. Periodicals, Web Sites, ... etc

www.ncbi.nih.gov

7- Facilities Required for Teaching and Learning:

- a. Library & textbooks.
- b. Computer & data show.
- c. Internet connection.

Course Coordinator: : Dr..Lyla Yousef

Head of Department: . Dr. Hasnaa A. Abo elwafa

Date: 18/12/2011, **Revised:**1/9/2012, **Revised:**1/12/2013

Course Specifications of Medical Parasitology for Diploma Degree of Tropical Medicine and Gastroenterology

Sohag University

Faculty of Medicine

1. Program on which the course is given: Tropical Medicine, Diploma Degree 1st
2. Major or minor element of program: Minor
3. Department offering the program: Tropical Medicine and Gastroenterology.
4. Department offering the course: Medical Parasitology.
5. Academic year / Level: post graduate. Students registered for Tropical Medicine and Gastroenterology Diploma Degree (1st part).
6. Date of specification approval: Faculty council No. "250", decree No. "1378" dated 28/12/2013

A. Basic Information

Title: Medical Parasitology
Credit Hours: 2 hs.
Tutorial:
Total: 3 hours/week

Code: PAR0530-100
Lecture: 1 hours/week.
Practical: 2 hours/week

B. Professional Information

1. Overall Aims of Course:

By the end of the course the student should be able to have the professional knowledge of the parasites affecting human beings all over the world and particularly in Egypt, so to be able to efficiently protect, diagnose, treat and advice the parasite victims correctly.

2. Intended Learning Outcomes of Course (ILOs):

According to the intended goals of the faculty: the student should be armed with sufficient knowledge about the human parasites present in Egypt, surrounding countries and basic idea to parasites all over the world. Each student should be able to recognize the symptoms, geographical distribution, the infective and the diagnostic stages, complications, laboratory tests needed for diagnosis, prescriptions used and control of the studied parasites.

a) Knowledge and Understanding:

By the end of the course the student should be able to:

- a1- Mention the efficient knowledge of the parasites affecting human beings all over the world and particularly in Sohag and Egypt.
- a2- Have the understanding of the life cycle of each, inside and outside the body.
- a3- Have the ability to differentiate between parasites and vectors on morphological bases.
- a4- Have the knowledge to recognize the pathology, clinical symptoms and complications of each parasite.
- a5- Have the knowledge of the recommended laboratory tests needed for diagnosis of each case.
- a6- Have the knowledge of some of the anti-parasitic drugs and instructions used for treating each case.
- a7- Have the knowledge about control methods used against parasites.

b) Intellectual Skills:

By the end of the course the student should have the ability to:

- b1. Differentiate between parasites affecting the same organ.
- b2. Differentiate between parasites present in the same sample.
- b3. Differentiate between parasites inhabiting the same geographical location

c) Professional and Practical Skills:

By the end of the course the student should have the ability to:

- c1. Identify the infective and the diagnostic stages of the parasites
- c2. Identify some stages of the parasites.
- c3. Identify some of the medically important intermediate hosts especially those present in Egypt.

d) General and Transferable Skills:

By the end of the course the student should have the ability to:

- d1. Use the computer to enter parasitological web sites.
- d2. Can collect scientific data from the computer as reviews, photos, and videos.
- d3. Can collect data from medical centers in the locality to recognize the local parasitic dangers.

3. Contents

Topic	No. of hours	Lecture	Tutorial/ Practical
Introduction	1	1	
Helminthes Introduction+Trematoda introduction.	1	1	
Fasciola	3.5	1	1.5
Dicrociliium+ Fasciolopsis buski	2	1	1
H. heterophyes	2	1	1
Schistosoma + Snails	2.5	1	1.5
Revision	1	-	1
Cestoda+ D. latum+ Taenia	2.5	1	1.5
Echinococcus+ Hymenolepis+ Dipylidium	3.5	2	1.5
Nematoda+ Eterobius+ T. trichura+ Capillaria+ T. spiralis+ Ascaris	4	2	2
Hook worms+ S.stercoralis+ Larva migrans	4	2	2
D. medenensis+ Filarial; worms	4	2	2
Helminthes total	30	15	15
Arthropoda			
Introduction	1	1	-
Dieptera+ Mosquitoes	2	1	1
Culicoides+ Phlebotomas+ Brachycera	2	1	1
Myiasis & M. producing flies	2	1	1
Siphonaptera+ Hemiptera+ Anoplura	2	1	1
Arachnida introduction+ ticks	2	1	1
Mites+ Pentastomida+ Cyclops	3	1	2
Arthropods total	21	7	7
Protozoa :Introduction+ Amoebidae	2	1	1
Luminal flagellates	2	1	1
Haemoflagellates	2	1	1
Apicomplexa (Malaria + Babesia)	5	2	3
Apicomplexa (Toxoplasma+ others)	2	1	1

Ciliata+Microsporidia	1	1	-
Protozoa (Total)	14	7	7
Laboratory tests	2	1	1
Total	45	15	30

4. Teaching and Learning Methods

4.1-Lectures.

4.2-Practical lessons.

4.3- Assignments to empower and assess the general and transferable skills.

5. Student Assessment Methods

Method of assessment	The assessed ILOs
5.1- Observation of attendance and absenteeism.	- General transferable skills, intellectual skills
5.2-Written Exam: -Short essay: 40% -structured questions: 25% -MCQs: 20% -Commentary, Problem solving: 15%	- Knowledge - Knowledge - Knowledge, intellectual skills - Intellectual skills, General transferable skills,
5.3-Structured Oral Exam	- Knowledge, Intellectual skills, General transferable skills
5.4-OSCE	-Practical skills, intellectual skills General transferable skills

Assessment schedule:

Assessment 1... Periodic 1...	Week: 10-12
Assessment 2 ... Assignment....	Week: 15-16
Assessment 3 Periodic. 2....	Week ...18-20
Assessment 2 ...Final practical exam	Week: 26-28
Assessment 3.... Final written exam	Week ...26-28
Assessment 4.....Final oral exam	Week....26-28

Weighting of Assessments

Final- written Examination	50%
Structured Oral Examination	30%
OSCE	20%
Total	100%

Formative only assessments: attendance and absenteeism

6. List of References

6.1- Course Notes:

Notes of the department and practical notebook

6.2- Essential Books (Text Books):

Medical Parasitology.

Essential Parasitology.

6.3- Recommended Books:

A coloured Atlas of tropical Medicine and Parasitology.

6.4- Periodicals:

Journal of Egyptian Society of Parasitology.

Web Sites:

Parasitic Diseases: <http://www.mic.ki.se/Diseases/c3.html>

Parasite Images: <http://www.med.cmu.ac.th/dept/parasite/image.htm>

Atlas of Medical Parasitology: <http://www.cdfound.to.it/HTML/atlas.htm>

7. Facilities Required for Teaching and Learning

Data show device for lectures.

Photos of parasites.

Laboratory microscopes.

Course Coordinator: Dr. Eman Khalaf

Head of Department: Dr. Nada El Nadi

Date: 18/12/2011, **Revised:**1/9/2012, **Revised:**1/12/2013

Course Specification of Medical Physiology for Diploma Degree of Tropical Medicine and Gastroenterology

Sohag University

Faculty of Medicine

1. Program on which the course is given: Diploma Degree
2. Major or minor element of program: Minor
3. Department offering the program: Tropical Medicine and Gastroenterology
4. Department offering the course: Medical Physiology
5. Academic year / Level: 1st part
6. Date of specification approval: Faculty council No. "250", decree No. "1378" dated 28/12/2013

A. Basic information

Credit hours: 2 hours

Code: phy0530-100

Lectures: 2 hours/week

Tutorial / Practical: 0 hours Total: 2 hours/week

B. Professional information

1. Aim of the course :

To prepare a Tropical Medicine and Gastroenterology physician oriented with the physiology of the G.I.T & liver. The graduates should have enough knowledge about the regulation of body fluids, electrolytes, water balance, body temperature & PH. They should have adequate information about different types of anemia, arterial blood pressure regulation, and different types of shock and pain sensation.

2. Intended learning outcomes (ILOs):

a) **Knowledge and Understanding:**

By the end of this course, the students should have adequate knowledge about:

- a1. The normal structure and function of the gastrointestinal system.
- a2. Mention the normal gastrointestinal motility.
- a3. Mention the normal gastrointestinal secretion.
- a4. Describe regulation of the normal body temperature.

b) **Intellectual skills:**

By the end of the course, the students is expected to be able to:

- b1. Solve problems in the area of Tropical Medicine and Gastroenterology based on physiological knowledge.

c) **Professional and Practical Skills:**

By the end of the course, the student is expected to:

- c1. Use appropriate technology in the field of Tropical Medicine and Gastroenterology based on understanding normal function of GIT.

d) **General and Transferable Skills:**

By the end of the course, the student is expected to:

- d1. Use physiological information technology to serve the development of professional practice.

3. Contents of the Course:

Topic	No. of hours	Lecture	Practical
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7. Facilities Required for Teaching and Learning:

1. Adequate infrastructure: including teaching clinical places, comfortable desks, good source of aeration, classrooms, good illumination and safety and security tools.
2. Teaching tools: including screens, computers including cd (rw), data shows, projectors, white boards, video player, digital video camera, scanner, copier, color and laser printers.
3. Computer programme: for designing and evaluating MCQs.

Course Coordinator: Dr/ Hoda Mostafa

Head of Department: Dr.Ahmed Mostafa.

Date: 18/12/2011, **Revised:**1/9/2012, **Revised:**1/12/2013

Course Specification of Public Health and Community Medicine For Tropical Medicine and Gastroenterology Diploma Degree

Sohag University

Faculty of Medicine

1. Program on which the course is given: Tropical Medicine, Diploma
2. Minor element (optional) of program.
3. Department offering the program: Public Health and Community Medicine.
4. Academic year / Level: Diploma (2nd part)
5. Date of specification approval: Faculty council No. "250", decree No. "1378" dated 28/12/2013

A. Basic Information

Title Public Health and Community Medicine

Code: COM0530-100

module	Lectures	Clinical	Tutorial	Total
Public Health and Community Medicine	2 hour/ week	---	Nil	2 hours/week

B. Professional Information

1. Overall Aims of Course

- a. To prepare a community-oriented physician capable of anticipating and responding to community health needs within guidelines of the MOHP and according to the policies, regulations, and guidelines of the MOHP.
- b. To develop a post-graduate who will apply the knowledge and skills learned, and is able to take leadership in motivating the community served as regard the preventive aspects concerning Gastro-enterology and Tropical Medicine.
- c. To influence the post-graduate to adopt a healthy lifestyle and sound behaviors to become role models for the individuals, their families, and the communities they will serve in the future.

2. Intended Learning Outcomes of Course (ILOs)

a) **Knowledge and understanding:**

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

- a1. Describe the spectrum of infectious cycle of communicable diseases.
- a2. Explain the three interacting ecological factors—agent, host, and environment—affecting the risks anticipated life.
- a3. Describe the determinants of health on the individual, the family, and the community levels.
- a4. Define patterns of care as preventive and curative, and describe the levels of preventive care.
- a5. List at least four uses for health indicators.
- a6. Describe the public health surveillance system and its use in the Tropical Medicine.
- a7. Define epidemiologic approaches to measure the occurrence of disease in slum communities.
- a8. Make a decision about the appropriate preventive and control measures related to specific preventable situations.

- a9. Explain methods for monitoring the quality of health provision.
- a10. List risk factors relevant to selected non-communicable diseases of the GIT.
- a11. Define data sources for vital statistics.
- a12. Define the screening tests pertinent to selected diseases and the at-risk approach in the application of screening tests.
- a13. Explain the usefulness of screening tests, and calculate sensitivity, specificity, and predictive values.

b) Intellectual Skills

By the end of the course, the student is expected to be allowed to:

- b1. In epidemiological and quantitative domain:
 - Evaluate indicators of health and disease.
 - Identify prevalent health problems in a community, using various epidemiological strategies.
 - Anticipate and participate in investigation of an epidemic/outbreak as part of a health team.
 - Identify trends in health and disease.
 - Apply appropriate health promotion, disease prevention, and control measures.
 - Apply disease prevention and control measures to identified priority communicable and non-communicable diseases.
- b2. In communication and health behaviors:
 - Apply health behavior theories to different community health problems.
 - Identify behavioral and social variables impacting health and disease.
 - Apply appropriate communication strategies for use with clients, the health care team, and the community.
 - Select and use appropriate health education methods and materials.
 - Counsel effectively in the health care environment.
 - Advocate appropriately in the health care setting.
 - Activate and mobilize the community toward improved health outcomes.

c) Professional and Practical Skills:

By the end of the course, the student is expected to practice the following:

- c1. Perform community diagnosis for health problems in the locality.
- c2. Diagnose an epidemic of infectious or non infectious diseases among the community.

d) General and Transferable Skills:

By the end of the course, the student is expected to be able to:

- d1. Use standard computer programs effectively.
- d2. Utilize computers in conducting researches.
- d3. Work in a group.
- d4. Communicate well with his colleagues, top management and subordinates.
- d5. Establish a good client – physician relationship.

3. Contents

Topic	No. of hours	Lectures	Practical
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Prevention and Control aspects of the diseases	1	1	
Levels of Prevention in the community	0.5	0.5	
Chain events of Infectious cycle	1	1	
Epidemiology of selected communicable diseases:	1	1	
Skin diseases	1	1	
STD	1	1	
Parasitic infestation	1	1	
Locally endemic diseases			
Epidemiology and risk factors of non-communicable diseases:			
-Celiac diseases	2	2	
-Congenital anomalies; relevant			
Emerging and Remerging diseases	1.5	1.5	
Elements of environmental sanitation	2	2	
Methodology & statistics			
Terminology and rationale	1.5	1.5	
Data collection	1.5	1.5	
Types of Data	1.5	1.5	
Tabulation of data	2	2	
Graphical presentation of data	2	2	
Normal distribution curves	2	2	
International classification of diseases	2	2	
International death certificate	2	2	
Community surveys, convoys and surveillance	2	2	
Investigation of an epidemic, the attack rates	1.5	1.5	
Total	30	30	

4. Teaching and Learning Methods

- 4.1- Illustrated lectures.
- 4.2- Clinical rounds on patients.
- 4.3- Attendance in outpatient's clinic.
- 4.4- Case studies in department conference.
- 4.5- Interactive presentations (lectures with discussion).

5. Student Assessment Methods

Method of assessment	The assessed ILOs
5.1- Observation of attendance and absenteeism.	- General transferable skills, intellectual skills
5.3-Written Exam: -Short essay: 40% -structured questions: 25% -MCQs: 20% -Commentary, Problem solving: 15%	- Knowledge - Knowledge - Knowledge, intellectual skills - Intellectual skills, General transferable skills,
5.4-Structured Oral Exam	- Knowledge, Intellectual skills, General transferable skills
5.5-OSCE	-Practical skills, intellectual skills General transferable skills

Assessment schedule:

Assessment	final written exam	Week 48
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Assessment	OSCE	Week 48
Assessment	final Structured Oral Exam	Week 48

Weighting of Assessments

Final- written Examination	50%
Structured Oral Exam	50%
Total	100%

Formative only assessments: attendance and absenteeism

6. List of References

6.1- Course Notes:

Department notes, lectures and handouts.

6.2- Essential Books (Text Books.):

- Maxy-Rosenau Public health and preventive medicine, Prentice – Hall International Inc.

6.3- Recommended Books:

- Dimensions of Community Health, Boston Burr Ridge Dubuque.
- Short Textbook of preventive and social Medicine. Prentice-Hall International Inc.
- Epidemiology in medical practice, 5th edition. Churchill Livingstone. New York, London and Tokyo.

6.4- Periodicals, Web Sites, ... etc.

- American Journal of Epidemiology.
- British Journal of Epidemiology and Community Health.
- WWW. CDC and WHO sites.

7. Facilities Required for Teaching and Learning

- Lecture rooms.
- Round rooms.
- Accessibility to hospital wards, clinics and emergency department.
- Audio-visual teaching equipments (computers, data show projector, video, etc.).
- Models and mannequins.
- Video tapes and scientific pictures archives.
- Radiology collections and archives.
- Library for the department.

Course Coordinator: Dr/Ahmed Fathy Hammed

Head of Department: Prof/Eman Abd El-Baset Mohammed

Date: 18/12/2011, **Revised:**1/9/2012, **Revised:**1/12/2013

Course Specification of Biostatistics in Diploma Degree for Tropical Medicine and Gastroenterology

Sohag University

Faculty of Medicine

1. Program on which the course is given: Diploma Degree of Tropical Medicine and Gastroenterology
2. Major or minor element of program: minor
3. Department offering the program: Tropical Medicine and Gastroenterology
4. Department offering the course: public Health and community medicine department.
5. Academic year/ Level: first part
6. Date of specification approval: Faculty council No. "250", decree No. "1378" dated 28/12/2013

A. Basic Information

7. **Program title** Course Specification of medical Biostatistics in Diploma degree in Tropical Medicine and Gastroenterolog

Code: COM 0530-100

Course	Lectures	Practical	Total	Total credit hours
Medical Biostatistics	15 hrs	30	45	2 hrs

B. Professional Information

1. Overall Aims of Course

To develop a graduate who will apply the knowledge and skills learned, and is able to utilize the basics of medical statistics in his career and research

2. Intended Learning Outcomes of Course (ILOs):

According to the intended goals of the faculty

a) Knowledge and understanding:

By the end of the course, the student is expected to practice the following:

- a1. Define the screening tests pertinent to selected diseases and the at-risk approach in the application of screening tests
- a2. Explain the usefulness of screening tests, and calculate sensitivity, specificity, and predictive values Define terms of research methodology

b) Intellectual Skills

By the end of the course, the student is expected to practice the following:

- b1. Identify and collect data variables impacting health and disease
- b2. Assess risk in professional practices in the field of Chest Diseases and Tuberculosis.
- b3. Analyze research and issues related to the Chest Diseases and Tuberculosis

c) Professional and Practical Skills:

By the end of the course, the student is expected to practice the following:

- c1. Perform community diagnosis
- c2. Conduct Social & Health Surveys
- c3. Diagnose an epidemic

d) General and Transferable Skills

By the end of the course, the student is expected to practice the following:

- d1. Use different sources to obtain information and knowledge.
- d2. Work coherently and successfully as a part of a team and team's leadership.
- d3. Use different sources to obtain information and knowledge and collect data

3. Course Contents:

Topic	No. of hours	Lecture	Practical
Methodology & statistics		15	30
Terminology and rationale			
Data collection			
Types of Data			
Tabulation of data			
Graphical presentation of data			
Measures of central tendency			
Measures of dispersion			
Normal distribution curves			
International classification of diseases			
International death certificate			
Study design:			
Cross sectional study and the prevalence rate			
Cohort study, incidence rate, relative & attributable risk			
Case-control study, Odd's ratio			
Sampling			
Investigation of an epidemic, the attack rates			
Total	45	15	30

4. Teaching and Learning Methods:

- 4.1. Lectures.
- 4.2 practical sessions
- 4.3- Computer search assignments

5. Student Assessment Methods

Method of assessment	The assessed ILOs
5.1- Observation of attendance and absenteeism.	- General transferable skills, intellectual skills
5.2-Written Exam: -Short essay: 40% -structured questions: 25% -MCQs: 20% -Commentary, Problem solving: 15%	- Knowledge - Knowledge - Knowledge, intellectual skills - Intellectual skills, General transferable skills,
5.3-Structured Oral Exam	- Knowledge, Intellectual skills, General transferable skills
5.4 Computer search assignment	-General transferable skills, intellectual skills

Assessment Schedule

Assessment 1. Written examination	24week
Assessment 2. Structured Oral Exam	24week
Assessment 3. Attendance and absenteeism	

Weighting of Assessments

Final-term Written Examination	50 %
Structured Oral Examination	50 %
Total	100%

Formative only assessments: attendance and absenteeism and Computer search assignments

6. List of References

6.1- Course Notes

Lecture notes prepared by staff members in the department

Epidemiology in medical practice, 5th edition. Churchill Livingstone. New York, London and Tokyo, 2003.

6.4- Periodicals, Web Sites etc

- American Journal of Epidemiology
- British Journal of Epidemiology and Community Health
- WWW. CDC and WHO sites

7. Facilities Required for Teaching and Learning

1. **Adequate infrastructure:** including teaching places (teaching class), comfortable desks, good source of aeration, bathrooms, good illumination and safety and security
2. **Teaching tools:** including screens, computers data shows, projectors, flip charts, white board, video player, digital video camera, scanner, copier, color and laser printers

Course Coordinator: Dr. Ahmed Fathy Hammed

Head of Department: Prof. Eman Abd El-Baset Mohammed

Date: 18/12/2011, Revised:1/9/2012, Revised:1/12/2013

Course Specification of Internal Medicine for Tropical Medicine and Gastroenterology Diploma Degree

Sohag University

Faculty of Medicine

1. Program on which the course is given: Tropical Medicine, Diploma
2. Minor element (optional) of program.
3. Department offering the program: Tropical Medicine and Gastroenterology.
4. Department offering the course: Community Medicine.
5. Academic year / Level: Diploma (2nd part)
6. Date of specification approval: Faculty council No. "250", decree No. "1378" dated 28/12/2013

A. Basic Information

Title: Internal Medicine, Tropical Medicine and Gastroenterology

Code: MED0530-100

module	Lectures	Clinical	Tutorial	Total
Internal Medicine	7hours/week	6hours/week		13hour/week

B. Professional Information

1. Overall Aims of Course

By the end of the course of Internal Medicine, the candidate should be able to:

1. Deal with common medical conditions on the basis of adequate history taking, physical examination interpretation of relevant supportive investigations and management.
2. Deal with acute medical emergencies safely and effectively.
3. Identify the indications and logistics of referring patients to higher levels of experience or specialization.
4. Perceive and integrate progress in medical technology.

2. Intended Learning Outcomes of Course (ILOs)

a) **Knowledge and Understanding:**

By the end of the course, the student is expected to be able to:

- a1. Grasp the spectrum of clinical symptomatology related to different Internal Medicine disorders.
- a2. Appreciate the clinical spectrum of common medical conditions with multisystem affection.
- a3. Describe the concept of emergency management of acute medical disorders.

b) **Intellectual Skills**

By the end of the course, the student is expected to be able to:

- b1. Interpret the most important symptoms and signs of disease in Internal Medicine patients.
- b2. Formulate appropriate management plans for individual patients presenting with the most common medical disorders.
- b3. Make decisions regarding common clinical situations using appropriate problem solving skills.

c) **Professional and Practical Skills**

By the end of the course, the student is expected to be able to:

- c1. Conduct a proper general examination and identify normal and major abnormal physical signs.
- c2. Conduct proper regional examination of the thorax and abdomen by inspection, palpation, percussion and auscultation to identify:
 - Surface anatomy of internal organs.
 - Normal physical signs.
 - Major abnormal physical signs.
- c3. Develop and present a comprehensive medical sheet including history and physical examination.
- c4. Interpret the significance and relevance of abnormal physical signs.
- c5. Identify the appropriate supportive investigations relevant to a particular patient and adequately interpret the results.
- c6. Integrate the patient's symptomatology, historic data, abnormal physical signs and investigations into a comprehensive differential diagnosis.
- c7. Identify adequate logistics for further patient assessment and management.
- c8. Become acquainted with special approach to the diagnosis of common medical conditions related to the specialty.
- c9. Get exposed to less common medical disorders within the domain of specialty.
- c10. Get updated information about and demonstrations on modern diagnostic tools within the specialty.
- c11. Get acquainted with special therapeutic and interventional techniques related to the specialty.
- c12. Adequately interpret the results of common laboratory investigations as urine analysis, blood picture, liver and kidney function tests, etc.
- c13. Properly read X-ray, CT and ultrasonic images of common diseases.

d) General and Transferable Skills

By the end of the course, the student is expected to be able to:

- d1. Presentation, analyzing and solving of clinical problems .

3. Contents

DETAILED CONTENTS

a. Cardiology Teaching

The cardiology curriculum is designed so that at the end of the course the candidate will be able to:

Know the important causes, presenting features (symptoms, signs and alteration in specific investigations) that may occur in each of the following conditions:

- Heart failure (acute, chronic, systolic, diastolic).
- Rheumatic fever, rheumatic heart disease including the affection of the pericardium and cardiac valves.
- Causes, features and management of infective endocarditis.
- Coronary artery diseases (pathogenesis, risk factors, clinical features, complications and detail of both prophylactic and curative treatment).
- The problem of hypertension in Egypt and the importance of all grades of elevated blood pressure also causes and features of essential and secondary hypertension, also methods of treatment and the problem attending the use of antihypertensive drugs.

Skills: The graduate should be able to:

- Elicit normal and abnormal cardiovascular signs such as general features, attitude, facies, BP arterial and venous pulse,.....

- Elicit normal and abnormal physical signs in chest and abdominal examination that may cause or accompany or result from cardiac disease such as hepatomegaly, splenomegaly, ascites,.....

Cardiology Teaching (Methodology):

A combination of strategies are used to reach the above mentioned objectives, this includes lectures, clinical and self teaching.

Lectures are given to accompany the clinical and the practical teaching. They are designed to cover the salient features, difficult aspects, recent advances not usually incorporated in students text books and specific personal practices of the following subjects:

Contents

Topics	No. of hours	Lectures	Clinical and practical
Cardiovascular symptoms and signs	5	2	3
Rheumatic fever	5	2	3
Infective endocarditis	5	2	3
Valvular diseases Congenital Heart Diseases	5	2	3
Coronary artery diseases -Acute coronary syndromes -Chronic ischemia	5	2	3
Systemic hypertension	5	2	3
Cardiomyopathy:	5	2	3
Heart failure	4.5	1.5	3
Pulmonary embolism -Cor pulmonale	4	1	3
Basic Principles in ECG	4	1	3
Total	47.5	17.5	30

b. Endocrinology Teaching

The curriculum consists of integrated theoretical, clinical and practical training courses.

Endocrinology Teaching (Methodology):

A combination of strategies is used to reach the above mentioned objectives. This includes:

Topics	No. of hours	Lectures	Clinical
Principles of endocrinology	2	2	
Hypothyroidism	9	2	6
Hyperthyroidism	8	2	6
Clinical uses of corticosteroids	9	3	6
Endocrinology of blood pressure control	2	3	
Diabetes mellitus	12	3	9
Hypoglycemia	5.5	2.5	3
Total	47.5	17.5	30

c. Hematology Teaching

The curriculum consists of theoretical, practical and training courses.

Terminal objectives in teaching hematology are:

1. To know the important causes, presentation and management of various types of anemia.
2. To examine lymph nodes, liver and spleen and to know causes and management of lymphadenopathy, hepatomegaly, and splenomegaly.
3. To know causes, manifestation and management of bleeding and coagulation disorders.
4. To know causes presentation and management of various hematological malignancies (Leukaemias, lymphomas, plasma cell tumours).
5. To interpret lab investigations as blood picture, bone marrow examination, results of lymph node, spleen biopsy,..... and tests for coagulation disorders.
6. To know recent advances in treatment of various hematological disorders as bone marrow transplantation, immunological treatment,.....

Hematology Teaching (Methodology):

A combination of strategies is used to reach the above mentioned objectives. This includes:

Contents

Topics	No. of hours	Lectures	Clinical
Generalized lymphadenopathy	5	2	3
Anemias; -Iron deficiency anemia -Megaloblastic anemia -Hemolytic anemias (Acquired) -Aplastic anemia	17	5	12
Acute leukemias	5	2	3
Lymphomas and chronic leukemias	9	3	6
Disorders of platelets and vessel wall "Thrombocytopenia" - Thrombocytopenia, purpura	5.5	2.5	3
-Coagulation disorders and Anticoagulants	6	3	3
Total	47.5	17.5	30

d. Nephrology Teaching

Topics	No. of hours	Lectures	Clinical
-Anatomy, structure and function	6	3	3
Nephrotic syndrome	12	3	9
<u>-Disturbed renal function:</u> Acute renal failure Chronic renal failure Renal dialysis	9 9 9	3 3 3	6 6 6
Drug induced renal disorders	3	3	
-Investigations of renal disease	9	3	6
Total	57	21	36

e. Rheumatology Teaching

Topics	No. of hours	Lectures	Clinical
Systemic lupus erythromatosis	10	4	6

Scleroderma	10	4	6
Rheumatoid arthritis	9	3	6
Systemic vasculitis	9	3	6
Total	38	14	24

f. Respiratory Disease Teaching

Topics	No of hours	Lectures	Clinical
COPD	9	3	6
Pneumonias	5	2	3
Suppurative lung diseases	5	2	3
Malignancies in the lung	5	2	3
Tuberculosis	9	3	6
Respiratory failure	9	3	6
Pleural effusion, empyema and Pneumothorax	5.5	2.5	3
Total	47.5	17.5	30

4. Teaching and Learning Methods

- 4.1- Illustrated lectures.
- 4.2- Clinical rounds on patients.
- 4.3- Attendance in outpatient's clinic.
- 4.4- Case studies in department conference.
- 4.5- Interactive presentations (lectures with discussion).

5. Student Assessment Methods

Method of assessment	The assessed ILOs
5.1- Observation of attendance and absenteeism.	- General transferable skills, intellectual skills
5.3-Written Exam: -Short essay: 40% -structured questions: 25% -MCQs: 20% -Commentary, Problem solving: 15%	- Knowledge - Knowledge - Knowledge, intellectual skills - Intellectual skills, General transferable skills,
5.4-Structured Oral Exam	- Knowledge, Intellectual skills, General transferable skills
5.5-OSCE	-Practical skills, intellectual skills General transferable skills

Assessment schedule:

Assessment	final written exam	Week 48
Assessment	OSCE	Week 48
Assessment	final Structured Oral Exam	Week 48

Weighting of Assessments

Final- written Examination	50%
Structured Oral Exam	50%
Total	100%

Formative only assessments: attendance and absenteeism

6. List of References

6.1- Course Notes.

6.2- Essential Books (Text Books):

- Kumar and Clarke Textbook of Medicine; Parveen Kumar and Richard Clark; Blackwell Science; 14th edition, 2007.

-Hutchison's Clinical Methods; Robert Hutchison; Harry Rainy; 21st edition;2003.

6.3- Recommended Books.

- Cecil Textbook of Medicine; McGraw Hill; 16th edition, 2007.

- Harrison's Textbook of Medicine, McGraw Hill, 2005.

6.4- Periodicals, Web Sites, ... etc.

7. Facilities Required for Teaching and Learning

- Lecture rooms.
- Round rooms.
- Accessibility to hospital wards, clinics and emergency department.
- Audio-visual teaching equipments (computers, data show projector, video, etc.).
- Models and mannequins.
- Video tapes and scientific pictures archives.
- Radiology collections and archives.
- Library for the department.

Course Coordinator: Lecturer. Mervat Mohamed Ahmed Attia

Head of Department: Prof. Hasan Shehata

Date: 18/12/2011, **Revised:**1/9/2012, **Revised:**1/12/2013

Course Specification Tropical Medicine and Gastroenterology Tropical Medicine and Gastroenterology Diploma Degree

Sohag University

Faculty of Medicine

1. Program on which the course is given: Tropical Medicine, Diploma
2. Minor element (optional) of program.
3. Department offering the program: Tropical Medicine and Gastroenterology.
4. Department offering the course: Tropical Medicine and Gastroenterology.
5. Academic year / Level: Diploma (2nd part)
6. Date of specification approval: Faculty council No. "250", decree No. "1378" dated 28/12/2013

A. Basic Information

Title: Internal Medicine, Tropical Medicine and Gastroenterology and Public Health and Community Medicine **Code: TRO0530-100**

module	Lectures	Clinical	Tutorial	Total
Tropical Medicine and Gastroenterology	7hours/week	8 hours/week	2hours/w	15hour s/week

B. Professional Information

1. Overall Aims of Course

- To have basic knowledge about fevers and its common causes.
- To have basic knowledge about etiology, pathogenesis, clinical picture, complications and management of the most common infectious diseases.
- To understand the most common gastrointestinal and hepatic diseases especially those prevalent in our country and be able to diagnose and manage them.
- To know the symptomatology of gastrointestinal system and how to analyze them to reach a provisional diagnosis.
- To have a basic knowledge about different methods of clinical examinations of patients and details of abdominal examination.
- To have a basic knowledge about different laboratory tests used for diagnosis of common gastrointestinal problems (stool examination, complete blood count, liver function tests.....) and to be able to interpret their results.
- To have a basic knowledge about radiology of the hepatobiliary system and the GIT.

2. Intended Learning Outcomes of Course (ILOs)

a) **Knowledge and Understanding:**

By the end of the course, the student is expected to be able to:

- a1. Mention the common infectious, hepatic and gastrointestinal diseases worldwide and the most common diseases and public health problems in our country.
- a2. Enumerate the causation of diseases and their pathogenesis.
- a3. Describe the clinical picture, complications and differential diagnosis of common illnesses.
- a4. List the importance of good history taking and define the patient's problem.
- a5. Enumerate how to be a good observer.
- a6. Learn how to look for physical signs.
- a7. Mention the common diagnostic, laboratory, radiological and other

- a8. techniques.
- a9. Describe the various therapeutic methods/ alternatives used for
- a10. Common diseases (supportive therapy, nutrition, pharmacotherapy,
- a11. surgical treatment etc...).
- a12. Enumerate general methods for health promotion and disease prevention.
- a13. Describe the ethical considerations in medical practice.

b) Intellectual Skills

By the end of the course, the student is expected to be able to:

- b1. To make a good doctor-patient relationship.
- b2. To take a thorough medical history and be able to analyze each symptom.
- b3. To interpret data acquired through history taking to reach a provisional diagnosis.
- b4. To interpret physical findings and correlate them with patient's symptoms.
- b5. To be able to select the most probable diagnosis.
- b6. Select from different diagnostic techniques the ones that help to reach a final diagnosis.
- b7. To have the ability to innovate nontraditional solutions to problems.

c) Professional and Practical Skills

By the end of the course, the student is expected to be able to:

- c1. Perform general and abdominal examination of patients and use stethoscope to auscultate normal and abnormal heart and breath sounds and normal and abnormal abdominal signs (intestinal sounds, venous hum...).
- c2. Interpret, conclude and discuss data collected from history and examination.
- c3. Diagnose common illnesses.....
- c4. Perform basic diagnostic and therapeutic techniques and measures (pulse, temperature, giving injections and intravenous fluids, taking aspirations from pathological body fluids....)....
- c5. Recognize patients with life threatening conditions and initiate the proper management and change it according to patient's needs.
- c6. Write a treatment prescription.

d) General and Transferable Skills

By the end of the course, the student is expected to be able to:

- d1. Work in a team.
- d2. Communicate well with his colleagues, top management and subordinates.
- d3. Establish a good patient-physician relationship.
- d4. Use computers in conducting researches, do web searches and write reports.

3. Contents

Title	Lectures	Tutorial/ Practical	Total
Introduction on Fevers, pathogenesis and PUO	2	4	6
Common viral infections, encephalitis, rabies, HIV	2	4	6
Bacterial infections: salmonella, brucellosis, Tuberculosis, meningitis, pneumonias, clostridial infections, diphtheria, cholera, shigellosis	10	20	30
Rickettsial diseases and spirochetal diseases	2	4	6
Parasitic diseases Helminthes (trematodes, cestodes and nematodes)	8	16	24

Protozoal diseases: amoebiasis, giardiasis, malaria, toxoplasmosis, Leishmaniasis	4	8	12
Chemotherapy of infections	3	6	9
Gastroenterology and Hepatology			9
Diseases of the esophagus (GERD, motility disorders and carcinoma)	3	6	
Diseases of the stomach and duodenum (peptic ulcer, gastric neoplasia)	5	10	15
Diseases of the small intestine and colon	5	10	15
Upper and lower GIT bleeding	5	6	11
Gastrointestinal endoscopy	2	4	6
Anatomy and physiology of the liver and biliary tract	2	4	6
Hepatocellular failure	2	4	6
Acute viral hepatitis	2	4	6
Chronic hepatitis (viral and non-viral)	5	10	15
Liver cirrhosis	5	10	15
Infections of the liver (other than viruses)	5	10	15
Jaundice	5	10	15
Portal hypertension	2.5	10	12.5
Hepatic tumours	4	8	12
Infections and stones of the biliary system	4	8	12
Biliary tumours	2	4	6
Acute and chronic pancreatitis and pancreatic neoplasms	2	10	12
Laboratory tests for assessment of GIT and hepatobiliary system	2	8	10
Radiology of the GIT and hepatobiliary system	2	8	10
Anatomy and physiology of the spleen	2	8	10
Splenomegaly and hypersplenism	2	8	10
Anaemias	2.5	10	12.5
Myeloproliferative disorders	2.5	10	12.5
Lymphomas	1.5	6	7.5
Nutritional disorders	1	4	5
Total	105	240	345

4. **Teaching and Learning Methods**

- 4.1- Illustrated lectures.
- 4.2- Clinical rounds on patients.
- 4.3- Attendance in outpatient's clinic.
- 4.4- Case studies in department conference.
- 4.5- Interactive presentations (lectures with discussion).

5. **Student Assessment Methods**

Method of assessment	The assessed ILOs
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5.1- Observation of attendance and absenteeism.	- General transferable skills, intellectual skills
5.3-Written Exam: -Short essay: 40% -structured questions: 25% -MCQs: 20% -Commentary, Problem solving: 15%	- Knowledge - Knowledge - Knowledge, intellectual skills - Intellectual skills, General transferable skills,
5.4-Structured Oral Exam	- Knowledge, Intellectual skills, General transferable skills
5.5-OSCE	-Practical skills, intellectual skills General transferable skills

Assessment schedule:

Assessment	final written exam	Week 48
Assessment	OSCE	Week 48
Assessment	final Structured Oral Exam	Week 48

Weighting of Assessments

Final- written Examination	50%
Structured Oral Exam	50%
Total	100%

Formative only assessments: attendance and absenteeism

6. List of References

6.1- Course Notes

Davidson text Book of Medicine

6.2- Essential Books (Text Books)

Hutchinson Book for case taking.

6.3- Recommended Books

Current diagnosis & Treatment in Gastroenterology.

Sheilla Sherlock (Text Book) of Hepatology

6.4- Periodicals, Web Sites, ... etc

<http://www.ncbi.nlm.gov>

<http://www.google.com>

<http://Freemedicaljournals.com>

7. Facilities Required for Teaching and Learning

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- Round rooms.
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- Audio-visual teaching equipments (computers, data show projector, video, etc.).
- Models and mannequins.
- Video tapes and scientific pictures archives.
- Radiology collections and archives.
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Course Coordinator: Dr/ Mahmoud Saif Al-Islam Abd Elfatah.

Head of Department: Dr/ Gada M. Kamal.

Date: 18/12/2011, Revised:1/9/2012, Revised:1/12/2013