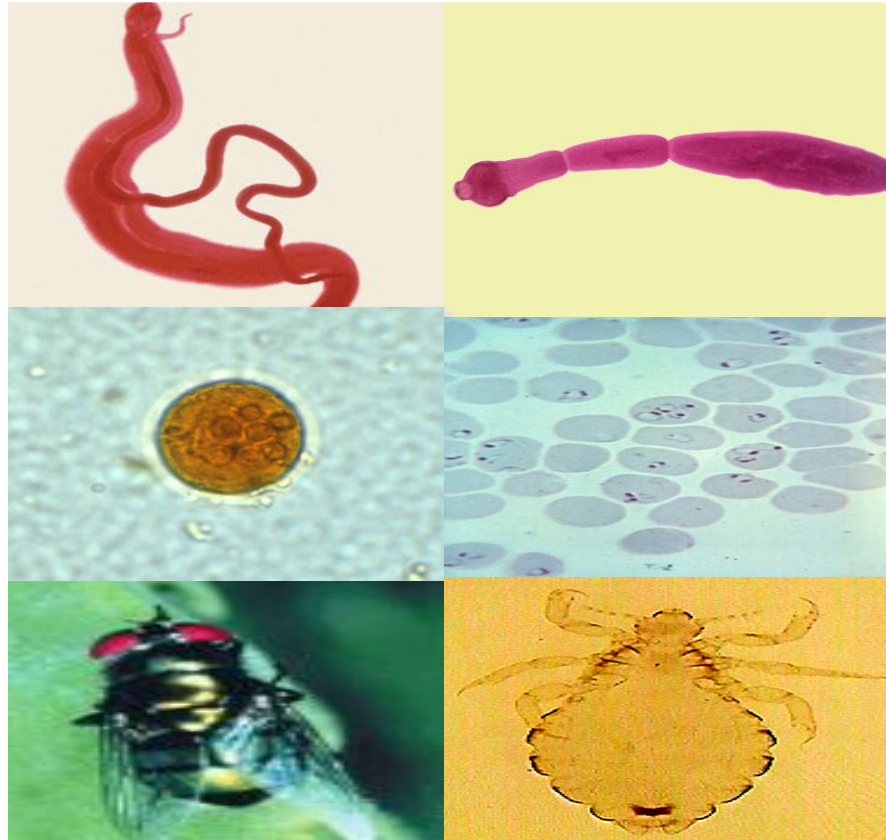


Medical Doctorate (MD) degree logbook of Medical Parasitology 2022-2023



" كراسة الأنشطة " اللازمة لحصول المتدرب على درجة
الدكتوراة في الطفيليات الطبية
2022-2023



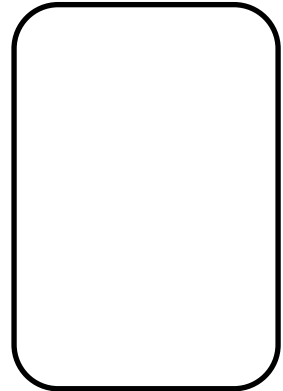
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Personal Information

Name.....
Date of birth.....
Address.....
Place of
work.....
Telephones..... Mobile
phone(s).....
E mail.....



Academic Information

MBBCh...../...../..... University
Grade

Grade of Forensic Medicine and Clinical Toxicology course on
graduation

Others...../...../..... University
...../...../..... University



*** Aim of the activities book**

To provide one source of evidence for the assessment committee that you attained the desired level of competency required to gain the award.

In this book you will document all clinical/practical, academic and other experiences and skills you attained during your training.

Sections of the book for each course

You should fill the following sections:-

A- Clinical/practical case log

1- You will first find list with all required cases in the concerned course and

the minimum number of cases you must get exposed to and level of participation you should achieve for each type of cases.

2- You should record all cases in the course and each case should be signed by your trainer.

1- Clinical/practical case presentation log

Record the cases related to the course that you have presented in a seminar or other activity.



2- Procedures / experiments log

- 1- You will find a list for required procedure, and level of desired performance you should achieve at the end of training.
- 2- You will find empty tables to write down the procedure, your level of participation and date and signature of supervisor.

3- Rotation / attendance proof

You should have evidence of achievement the required training hours within each course.

For the whole program fill the following sections.

1- Academic activities

A- Document all academic activities e.g. lecture, journal clubs, workshops, conferences, services attended. This documentation should include the level of participation " attendance, preparation, presentation,....."

2- Academic achievements

A- Document all outcomes you achieved in the field of:-

- Audit participation
- Research "clinical trial" participation.
- Evidence- based medicine "generation of guidelines" protocols

3- Formative assessment log

This document all types of formative assessment attended e.g.:-

- Mini clinical examination
- Quiseses



1- Program aims

- 1/1 -Develop a sufficient systematic understanding and critical awareness of common diseases related to medical parasitology, and practical skills in diagnosis of common parasitic diseases.
- 1/2- Develop a critical evaluation of basic techniques used in parasites detection and diagnosis in any sample, and the acquisition of the ability to provide specialist opinion in parasitology.
- 1/3- Develop within the context of Biomedical Sciences, a sufficient comprehensive understanding of communication, research and scientific methods.
- 1/4-To expert of the diagnostic common techniques required to become technically competent in practical parasitology work, and to master the underlying analytical and clinical principles.
- 1/5- To acquire life-long habits of reading, literature searches, consultation with colleagues, attendance at scientific meetings, and the presentation of scientific work those are essential for continuing professional development (CPD)
- 1/6- Enable to work effectively, in partnership with other health professionals, support staff, patients and service users
- 1/7- Enable candidate to start professional careers as specialists of parasitology in Egypt but recognized abroad.
- 1/8- Enable candidates to pursue higher studies and subspecialties.
- 1/9-Enable candidates to understand and get the best of published scientific research and do their own.



Curriculum Structure:

A-Duration of program Duration of program up to 4 years (could be extended to 6 years) divided into

○ Part 1

Program-related basic science courses

- Medical statistics.
- Research methodology
- Medicolegal Aspects and Ethics in Medical Practice and Scientific Research

Students are allowed to sit the exams of these courses after 6 months from applying to the M D degree.

○ Thesis and 2 published researches

For the M D thesis;

MD thesis subject should be officially registered within 1 year from application to the MD degree,

Discussion and acceptance of the thesis should not be set before 24 months from registering the M D subject;

It could be discussed and accepted either before or after passing the second part of examination

○ Part 2

Program –related speciality courses and ILOs

Students are not allowed to sit the exams of these courses before 4 years from applying to the MD degree.



كلية الطب
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First Part

Basic Science Courses

Course	Name of the course
Course 1	Medical statistics.
Course 2	Research methodology
Course 3	Medicolegal Aspects and Ethics in Medical Practice and Scientific Research
Course 4	Diagnostic Parasitology



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Medical statistics

Requirements

- Credit points: 1 credit point
- Minimal rate of attendance 80%



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Name of the course	Credit points	Responsible department	Attendance	Practical	Percentage of Achieved points
Medical statistics	1 credit point	Pubic Health & Community Medicine			100%
	0.1		Introduction 1 hour	SPSS Introduction 2H	10%
	0.1		Tables and graphics 1 Hour	Data entry and cleaning of data 2H	10%
	0.1		Sampling 1 Hour	Transforming of variables 2H	10%
	0.1		Methodology of data collection 1 Hour	Descriptive statistics 2 H	10%
	0.1		Type of variables 1 Hour	Graphic presentation 2 H	10%
	0.1		Proportion test Chi-square test 1 Hour	Chi square and interpretation of results 2 H	10%
	0.1		Student T test Paired T test 1 Hour	Student, Paired and ANOVA tests 2H	10%
	0.1		ANOVA test 1 Hour	Correlation Regression 2 Hour	10%
	0.1		Non parametric tests 1 Hour	Multiple and logistic Regression 2 H	10%
	0.1		Discrimination analysis factor analysis 1 Hour	Non parametric tests 2 H	10%
			Revision 1 H	Revision 2H	
Student signature			Principle coordinator signature		Head of the department signature



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Medical Statistics

Lectures and tutorials

Date	Attendance	Topic	Signature



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Research Methodology

Requirements

- Credit points: 1 credit point
- Minimal rate of attendance 80%



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Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Research Methodology	1 credit point	Public Health & Community Medicine		100%
	0.15		4 hours Introduction & proposal writing	15%
	0.15		4 hours Epidemiological study designs	15%
	0.15		4 hours Screening & theoretical background	15%
	0.24		6 hours Screening practical	24%
	0.15		4 hours Sample size calculation	15%
	0.08		2 hours Research bias	8%
	0.08		2 hours Ethics in research	8%
	-		2 hours Revision	-
Student signature			Principle coordinator signature	Head of the department signature



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Research Methodology

Lectures and tutorials

Date	Attendance	Topic	Signature



Medicolegal Aspects and Ethics in Medical Practice and Scientific Research

Requirements

● Credit points: 1 credit point

Minimal rate of attendance 80%

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Medicolegal Aspects and Ethics in Medical Practice and Scientific Research	1 credit point	Forensic Medicine and Clinical Toxicology	10 hours	100%
	0.5		Ethics in research	50%
	0.5		Medical ethics in practice.	50%
Student signature			Principle coordinator signature	Head of the department signature



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Medicolegal Aspects and
Ethics in Medical Practice and Scientific Research
Lectures and tutorials

Date	Attendance	Topic	Signature



Diagnostic Parasitology

Requirements

● Credit points: 7 credit point

Minimal rate of attendance 80%

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Diagnostics parasitology.	7credit point	Medical Parasitology	70 hours	100%
	2		Stool examination for parasitic infection	20%
	1		Blood examination for parasites	10%
	1		Urine examination for parasitic diseases	10%
	1		Serological Tests parasitic diseases	10%
	2		Diagnostic methods for Tissue parasites	20%
Student signature			Principle coordinator signature	Head of the department signature



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Diagnostics parasitology Lectures and tutorials

Date	Attendance	Topic	Signature



Speciality Course

Units' Titles' list	% from total Marks	Level (Year)	Core Credit points		
			Didactic	training	Total
Course 5: Parasitology					
- Course 5 Unit (module) 1: Helminthology	20.8	1,2,3	5	17	22
- Course 5 Unit (module) 2 : Protozoology	20.8	1,2,3	5	17	22
- Course 5 Unit (module) 3 : 1 Medical Entomology	20.8	1,2,3	5	17	22
- Course 5 Unit (module) 4: Immunoparasitology.	20.8	1,2,3	5	17	22
- Course 5 Unit (module) 5 : Clinical Parasitology	16.8	1,2,3	4	15	19
			24	83	107



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Course 5;

Unit 1: Medical Helminthology

Requirements

- **Credit points:** 5 credit point for didactic (lectures, seminars, tutorial) and 17 point for training.
- Minimal rate of attendance 80%



(5 credit point for didactic)

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Medical Helminthology	5	Medical Parasitology		
			Topics and attendance	
	2		20 hours common clinical conditions and diseases related to 1- trematodes 2- cestodes 3- nematodes	40
	1.5		Seminars ➤ Attendance of at least 1 hour / week for 5 week of the seminars ➤ Presentation of at least 1 time in the seminar	30
	0.5		Teaching for the students Attendance of at least 1 sections/ week for 5 weeks السكشن 2 ساعة	10
	0.5		Conference or workshop	10
	0.5		Formative assessment	10
Student signature			Principle coordinator Signature	Head of the department signature



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(17 credit point for training in Unit 1)

Clinical training	Credit points	Responsible department	Attendance	Percentage of Achieved points
Medical Helminthology	5	Medical Parasitology	Practice in the department for at least 2 days / week for 12 weeks including: Training in how to examine and preserve trematode sample	29
	5		Practice in the department for at least 2 days / week for 12 weeks including: Training in how to examine and preserve cestode sample	29
	5		Practice in the department for at least 2 days / week for 12 weeks including: Training in how to examine and preserve nematode sample	29
	1.5		Student teaching Attendance of at least 3 sections/ week for 35 weeks	9
	0.5		Formative assessment	4
	Student signature			Principle coordinator Signature



**Post graduate teaching
Lectures**

Date	Title of lecture	Signature of Staff member



**Post graduate teaching
Lectures**

Date	Title of lecture	Signature of Staff member



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Student teaching

Date	Attendance	Topic	Signature



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قسم الطفيليات الطبية

Seminars log

Attendance and presentation

Date	Attendance	Topic	Signature



List of requirements

NO.	Diagnosis of case	Level of participation *	Location	Signature of supervisor
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				

* Level of participation

A- Plan and carry out

B- Carry out

C- Carry out under supervision



List of requirements

NO.	Diagnosis of case	Level of participation *	Location	Signature of supervisor
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				

* Level of participation

A- Plan and carry out

B- Carry out

C- Carry out under supervision



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قسم الطفيليات الطبية

Course 5: unit 2

Medical Protozoology

Requirements

- **Credit points:** -----5---credit point for didactic (lectures, seminars, tutorial) and -----17----- point for training.
- Minimal rate of attendance 80% of training and didactic



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(-----5----- credit point for didactic)

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Medical Protozoology	5	Medical Parasitology	Year 2	
			Topics and attendance	
	2		20 hours common clinical conditions and diseases related to Protozoology	40
	1.5		Seminars ➤ Attendance of at least 1 hour / week for 5 week of the seminars ➤ Presentation of at least 1 time in the seminar	30
	0.5		Teaching for the students Attendance of at least 1 sections/ week for 5 weeks	10
	0.5		Conference or workshop	10
	0.5		Formative assessment	10
Student signature			Principle coordinator Signature	Head of the department signature



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(-----17----- credit point for training in Unit 2)

Clinical training	Credit points	Responsible department	Attendance	Percentage of Achieved points
Medical Protozoology	5	Medical Parasitology	Practice in the department for at least 2 days / week for 12 weeks including: Training in how to examine and preserve GIT Protozoan samples	29
	5		Practice in the department for at least 2 days / week for 12 weeks including: Training in how to examine and preserve urinary Protozoan samples	29
	5		Practice in the department for at least 2 days / week for 12 weeks including: Training in how to examine and preserve blood and other tissues Protozoan samples	29
	1.5		Student teaching Attendance of at least 3 sections/ week for 35 weeks	9
	0.5		Formative assessment	4
	Student signature			Principle coordinator Signature



كلية الطب
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Post graduate teaching Lectures

Date	Title of lecture	Signature of Staff member



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كلية الطب
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Post graduate teaching Lectures

Date	Title of lecture	Signature of Staff member



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Student teaching

Date	Attendance	Topic	Signature



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قسم الطفيليات الطبية

Student teaching

Date	Attendance	Topic	Signature



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كلية الطب
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Seminars log

Attendance and presentation

Date	Attendance	Topic	Signature



List of requirements

NO.	Diagnosis of case	Level of participation *	Location	Signature of supervisor
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				

* Level of participation

A- Plan and carry out

B- Carry out

C- Carry out under supervision



List of requirements

NO.	Diagnosis of case	Level of participation *	Location	Signature of supervisor
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				

* Level of participation

A- Plan and carry out

B- Carry out

C- Carry out under supervision



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Medical Parasitology Department

كلية الطب
قسم الطفيليات الطبية

Course 5: unit 3

Medical

Entomology

Requirements

- **Credit points:** -----5---credit point for didactic (lectures, seminars, tutorial) and -----17---- point for training.
- Minimal rate of attendance 80% of training and didactic



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(5 credit point for didactic)

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Medical Entomology	5	Medical Parasitology	Year 2	
			Topics and attendance	
	2		20 hours common clinical conditions and diseases related to medical entomology	40
	1.5		Seminars ➤ Attendance of at least 1 hour / week for 5 week of the seminars ➤ Presentation of at least 1 time in the seminar	30
	0.5		Teaching for the students Attendance of at least 1 sections/ week for 5 weeks	10
	0.5		Conference or workshop	10
	0.5		Formative assessment	10
Student signature			Principle coordinator Signature	Head of the department signature



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قسم الطفيليات الطبية

(17credit point for training in Unit 3)

Clinical training	Credit points	Responsible department	Attendance	Percentage of Achieved points
Medical Helminthology	5	Medical Parasitology	Practice in the department for at least 2 days / week for 12 weeks including: Training in how to examine, fix and preserve mosquito`'s and flies samples	29
	5		Practice in the department for at least 2 days / week for 12 weeks including: Training in how to examine, fix and preserve fleas and lice samples	29
	5		Practice in the department for at least 2 days / week for 12 weeks including: Training in how to examine, fix and preserve mites and ticks samples	29
	1.5		Student teaching Attendance of at least 3 sections/ week for 35 weeks	9
	0.5		Formative assessment	4
	Student signature			Principle coordinator Signature



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Medical Parasitology Department

Post graduate teaching Lectures

Date	Title of lecture	Signature of Staff member



Student teaching

Date	Attendance	Topic	Signature



كلية الطب
قسم الطفيليات الطبية



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Medical Parasitology Department

Seminars log

Attendance and presentation

Date	Attendance	Topic	Signature



List of requirements

NO.	Diagnosis of case	Level of participation *	Location	Signature of supervisor
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				

* Level of participation

A- Plan and carry out

B- Carry out

C- Carry out under supervision



List of requirements

NO.	Diagnosis of case	Level of participation *	Location	Signature of supervisor
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				

* Level of participation

A- Plan and carry out

B- Carry out

C- Carry out under supervision



كلية الطب
قسم الطفيليات الطبية



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Course 5: unit 4

Immunoparasitology

Requirements

- **Credit points:** ---5---credit point for didactic (lectures, seminars, tutorial) and -----17----- point for training.
- Minimal rate of attendance 80% of training and didactic



(5-----credit point for didactic)

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Immunoparasitology	5	Medical Parasitology	Year 2	
			Topics and attendance	
	2		20 hours common clinical conditions and immunity, and immunological diseases related to 1- trematodes 2- cestodes 3- nematodes 2- entomology	40
	1.5		Seminars ➤ Attendance of at least 1 hour / week for 5 week of the seminars ➤ Presentation of at least 1 time in the seminar	30
	0.5		Teaching for the students Attendance of at least 1 sections/ week for 5 weeks	10
	0.5		Conference or workshop	10
	0.5		Formative assessment	10
Student signature			Principle coordinator Signature	Head of the department signature



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(17 credit point for training in Unit 4)

Clinical training	Credit points	Responsible department	Attendance	Percentage of Achieved points
Immunoparasitology	5	Medical Parasitology	Practice in the department for at least 2 days / week for 12 weeks including: Training in how to perform ELISA in parasitology	29
	5		Practice in the department for at least 2 days / week for 12 weeks including: Training in how to perform Direct and indirect immunoflourence in parasitology	29
	5		Practice in the department for at least 2 days / week for 12 weeks including: Training in how to perform electrophoresis and PCR in parasitology	29
	1.5		Student teaching Attendance of at least 3 sections/ week for 35 weeks	9
	0.5		Formative assessment	4
Student signature			Principle coordinator Signature	Head of the department signature



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**Post graduate teaching
Lectures**

Date	Title of lecture	Signature of Staff member



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قسم الطفيليات الطبية



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Medical Parasitology Department

Post graduate teaching Lectures

Date	Title of lecture	Signature of Staff member



Student teaching

Date	Attendance	Topic	Signature



List of requirements

NO.	Techniques	Level of participation *	Location	Signature of supervisor
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				

* Level of participation

A- Plan and carry out

B- Carry out

C- Carry out under supervision



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Medical Parasitology Department

كلية الطب
قسم الطفيليات الطبية

* Name:

Course 5 : unit 5

Clinical Parasitology

Requirements

- **Credit points:** -----4----credit point for didactic (lectures, seminars, tutorial) and -----15----- point for training.
- Minimal rate of attendance 80% of training and didactic



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قسم الطفيليات الطبية

(-----4.....credit point for didactic)

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Laboratory Parasitology techniques	4	Medical Parasitology	Year 2	50% of the didactics of Unit 1
			Topics and attendance	
	2		20 hours common clinical conditions diseases related to 1- trematodes 2- cestodes 3- nematodes 2- entomology	50
	0.5		Seminars ➤ Attendance of at least 1 hour / week for 5 week of the seminars ➤ Presentation of at least 1 time in the seminar	12.5
	0.5		Teaching for the students Attendance of at least 1 sections/ week for 5 weeks	12.5
	0.5		Conference or workshop	12.5
	0.5		Formative assessment	12.5
Student signature			Principle coordinator Signature	Head of the department signature



(15 credit point for training in Unit 5)

Clinical training	Credit points	Responsible department	Attendance	Percentage of Achieved points
Laboratory Parasitology techniques	4	Medical Parasitology	Practice in the department for at least 2 days / week for 12 weeks including: Training in how to diagnose cases related to medical helminthes	26.5
	4		Practice in the department for at least 2 days / week for 12 weeks including: Training in how to diagnose cases related to medical protozoology	26.5
	4		Practice in the department for at least 2 days / week for 12 weeks including: Training in how to diagnose cases related to medical entomology	26.5
	2.5		Student teaching Attendance of at least 3 sections/ week for 35 weeks	16.5
	0.5		Formative assessment	4
	Student signature			Principle coordinator Signature



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كلية الطب
قسم الطفيليات الطبية

Post graduate teaching Lectures

Date	Title of lecture	Signature of Staff member



Post graduate teaching Lectures

Date	Title of lecture	Signature of Staff member



List of requirements

NO.	Techniques	Level of participation *	Location	Signature of supervisor
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				

* Level of participation

A- Plan and carry out

B- Carry out

C- Carry out under supervision



List of requirements

NO.	Techniques	Level of participation *	Location	Signature of supervisor
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				

* Level of participation

A- Plan and carry out

B- Carry out

C- Carry out under supervision



Postgraduate student's program
Rotation in training assessment

* Name:

* Period of training From:

To:

* Site:

**Rotation*

General skills	could not judge (0)	strongly disagree(1)	(2) (3)		(4) (5)		(6) (7)		strongly agree (7)
Perform practice-based improvement activities using a systematic methodology (share in audits and risk management activities and use logbooks).									
Appraises evidence from scientific studies.									
Conduct epidemiological studies and surveys.									
Perform data management including data entry and analysis and using information technology to manage information, access on-line medical information; and support their own education.									



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كلية الطب
قسم الطفيليات الطبية

General skills	could not judge (0)	strongly disagree(1)	↩ ↪		↩ ↪		↩ ↪		strongly agree (7)
			(2)	(3)	(4)	(5)	(6)		
Facilitate learning of students other health care professionals including their evaluation and assessment.									
Maintain therapeutic and ethically sound relationship with patients.									
Elicit information using effective nonverbal, explanatory, questioning, and writing skills.									
Provide information using effective nonverbal, explanatory, questioning, and writing skills.									
Work effectively with others as a member of a health care team or other professional group.									
Demonstrate respect, compassion, and integrity; a responsiveness to the needs of patients and society.									
Demonstrate a commitment to ethical principles including provision or withholding of clinical care, confidentiality of patient information, informed consent, business practices.									



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General skills	could not judge (0)	strongly disagree(1)	↔		↔		strongly agree (7)
			(2)	(3)	(4)	(5)	
Demonstrate sensitivity and responsiveness to patients' culture, age, gender, and disabilities.							
Work effectively in relevant health care delivery settings and systems including good administrative and time management							
Practice cost-effective health care and resource allocation that does not compromise quality of care.							
Assist patients in dealing with system complexities.							



Elective Course 1

Requirements

● **Credit points:** 1.5 credit point.

- Minimal rate of attendance 80% of lectures and 80% of training

One of these courses

- Advanced medical statistics.
- Evidence based medicine.
- Advanced infection control.
- Quality assurance of medical education.
- Quality assurance of clinical practice.
- -Hospital management



Name of the elective course:

Elective Course Lectures

Date	Attendance	Topic	Signature



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Elective Course 2

Requirements

● **Credit points:** 1.5 credit point.

- Minimal rate of attendance 80% of lectures and 80% of training

One of these courses

- Advanced medical statistics.
- Evidence based medicine.
- Advanced infection control.
- Quality assurance of medical education.
- Quality assurance of clinical practice.
- -Hospital management



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Formative assessment and MCQ

Exam	Score	Grade*	Date	Signature

*Degree A- Excellent B- Very good C- Good D- Pass



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قسم الطفيليات الطبية

الرسالة العلمية

عنوان الرسالة

عربي : _____

انجليزي : _____

المشرفون : _____

1- _____

2- _____

3- _____

4- _____

تاريخ القيد لدرجة : / / 2010

تاريخ التسجيل الموضوع :

المتابعة الدورية :

التاريخ	ما تم انجازه من بروتوكول البحث	المتبقي	توقيع المشرفين



Declaration

Course Structure Mirror	Responsible (Course)/ Units Coordinator Name:	Signature	Date
-Course 1: medical statistics			
- Course 2: research methodology			
- Course 3: Ethics			
Course 4 Diagnostic parasitology			
Course 5: Parasitology			
Unit 1: Helminthology			
Unit 2: Protozoology			
Unit 3: Medical Entomology			
Unit 4: Immunoparasitology.			
Unit 5: Clinical Parasitology			
- Elective Course s Certificate (s)(2) Dates:			
M.D Degree Thesis Acceptance Date:			
- Fulfillment of required credit points prior to final examination			
Medical Parasitology MD Degree Principle Coordinator:	Prof Dr/ Mohamed Essa		
Date approved by Medical Parasitology Department Council:	2/10/2017		

يعتمد ،
رئيس القسم

أ.د.