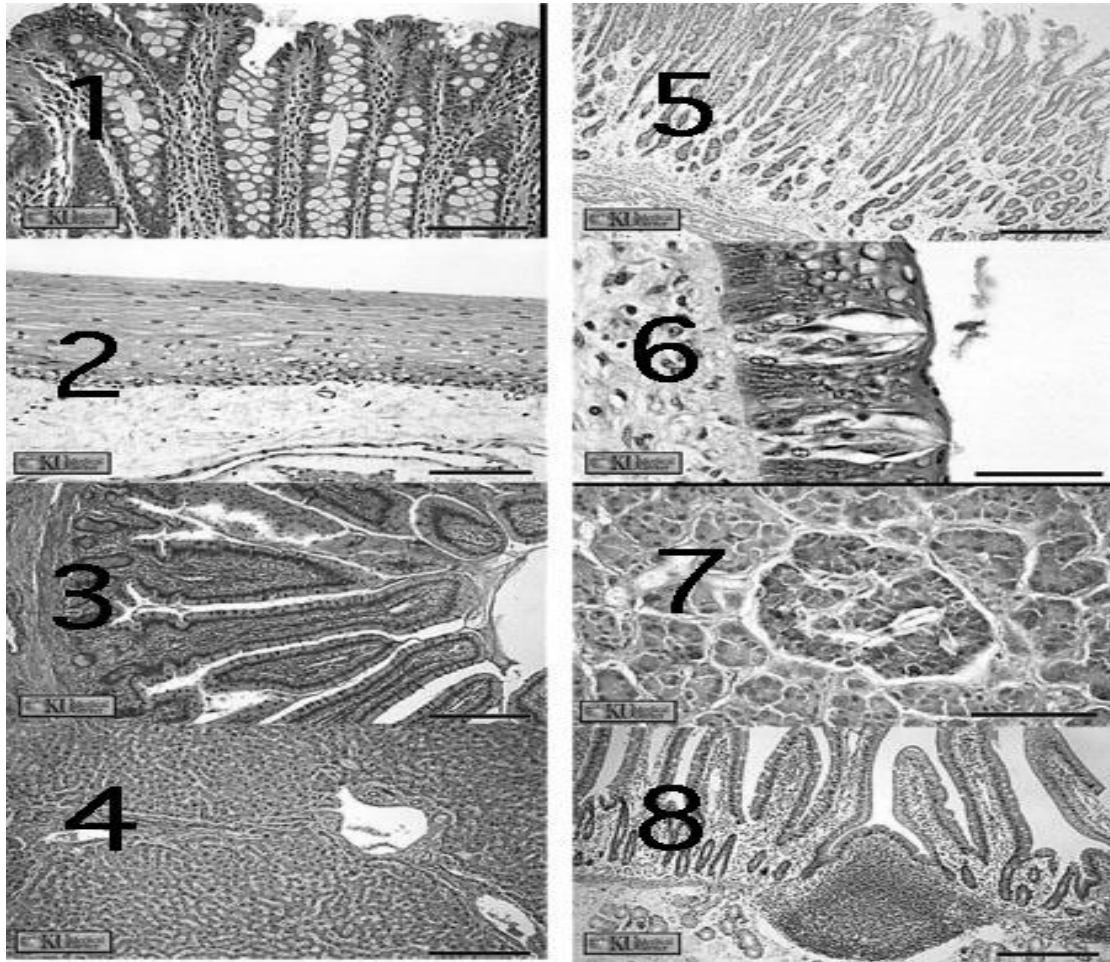


Medical Doctorate (M.D.) Degree of Histology Log Book



" كراسة الأشرطة "
اللازمة لحصول المتدرب على درجة الدكتوراه في علم الأنسجة
وبيولوجيا الخلية

2020-2021/2021-2022

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Personal Data :-

Name.....

Date of birth.....

Address.....

Place of work.....

Telephones.....**Mobile phone(s)**.....

E mail.....

Name of Department	Period of work	Department director signature

Academic Information

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

GradeMSc... University

Grade

Grade of Internal Medicine 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 practical, academic and other experiences and skills you attained during your training.

Sections of the book

For each Histological course

- You will find empty tables to write down the activity, your level of participation and date and signature of supervisor.
- You should fill the following sections:-

1- specimens processing log

- You will record the minimum number of specimens you prepared and sectioned for examination by light microscope as well as those for examination by electron microscope.

2- Staining Log

- Record the minimum number of slides you stained by different staining techniques.

3- Imaging Log

- You record the minimum number of photographs imaged by light microscope, TEM and SEM.
- You record the minimum number of photographs imaged by the use of the computer assisted image analyzer.

4- 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

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

2- Formative assessment log

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

- Mini practical examination
- Quizzes

1- Program aims

- 1/1. Acquire excellent level of medical knowledge in the basic histological structure of the body organs and of the molecular and cellular mechanisms.
- 1/2. Have continuous ability to add knowledge to the histology through research and publication.
- 1/3. Enable students to proficiently function as teacher in relation to colleagues, medical students and other health professions.
- 1/4. To update candidates in area of immunohistochemistry enabling them making appropriate referrals to a sub-specialist in the research point.
- 1/5. Ensure acquisition of life-long learning for scientific work that is essential for continuing professional development.



5- Program Structure

Program Time Table

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.

- Molecular Biology: Students are allowed to sit the exam of this course after 12 months from applying to the M D degree

- Thesis and 2 published specialized national or local researches or one published international research.

For the M D thesis;

MD thesis subject should be officially registered within 12 months 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.



Faculty of Medicine

First Part

Basic science Courses

Course 1

Medical statistics

Course 2

Research Methodology

Course 3

Medicolegal Aspects & Ethics in Medical Practice and Scientific Research

Course 4 (Histology 1)

Molecular Biology

Course 1

Medical statistics.

Requirements

♦ Credit points: 1 credit point

Minimal rate of attendance 80%

Name of the course	Credit points	Responsible department	Attendance	Practical	Percentage of Achieved points
Medical statistics	1 credit point	Public Health & Community Medicine	10 hours		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	



Faculty of Medicine

Medical Statistics

Lectures and tutorial

Date	Attendance	Topic	Signature

Remarks:

Signature

Research Methodology

Requirements

● Credit points: 1 credit point

Minimal rate of attendance 80%

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



Faculty of Medicine

Research Methodology

Lectures and tutorials

Date	Attendance	Topic	Signature

Course 3

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

Course 4

(Histology 1) Molecular Biology

Requirements

- **Credit points:** 5 credit point for didactic (lectures, seminars, tutorial) and 2 point for training.
- **Minimal rate of attendance 80% of didactic and training.**

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Molecular Biology (didactic)	2	Molecular Biology Research Unit	20 hours Chapter (1) - Cell & cell research. - Fundamentals of molecular biology. - Molecular basis of prokaryote & eukaryote. - From gene to protein.	40%
	1		10 hours Chapter (2) - Type of mutations. - Mutagens. - Chromosomal abbreviations.	20%
	1		10 hours Chapter (3) - PCR basics & techniques. - Plasmids. - Real time PCR.	20%
	1		10 hours Chapter (4) - Gel electrophoresis (agarose & polyacryamide). - Pulsed field gel electrophoresis. - Protein analysis.	20%
Student signature			Principle coordinator signature	Head of the department signature



Faculty of Medicine

Procedure log of Attendance of Molecular Biology Lectures

Date	Attendance	Topic	Signature



Faculty of Medicine

Clinical training	Credit points	Responsible department	Attendance	Percentage of Achieved points
Training in Molecular Biology Research Unit	1	Molecular Biology Research Unit	30 hours (one day/ week for 5 weeks) - PCR basics & techniques. - Plasmids. - Real time PCR.	50%
	1		30 hours (one day/ week for 5 weeks) - Gel electrophoresis (agarose & polyacrylamide). - Protein analysis.	50%
Student signature			Principle coordinator signature	Head of the department signature



Faculty of Medicine

Procedure log of Attendance of Molecular Biology Training

Date	Attendance	Topic	Signature



Faculty of Medicine

Speciality course

(Histology 2) Course 5

Requirements

● **Credit points:** 24 credit point for didactic (lectures, seminars, tutorial) and 83 point for training.

- Minimal rate of attendance 80% of training and didactic

Units' Titles' list	% from total Marks	Level (Year)	Core Credit points		
			Didactic	training	Total
1- Module 1: Advanced Cytology, histochemistry & microtechnique	29%	1 & 2	6	25	31
2- Module 2: General Histology Advanced Histology "1"	22.4%	2	6	18	24
3- Module 3: Special Histology Advanced Histology "2"	33.6%	3	6	30	36
4- Module 4: Advanced Histology Advanced Histology "3"	15%	4	6	10	16
			24	83	107



Faculty of Medicine

Year 1

(20 credit point for training)

(20 credit point for training)

Practical training	Credit points	Responsible department	Attendance	Percentage of Achieved points
Histology 2	2	Histology Department	Principles of Tissue Culture and Stem Cells Isolation. 4 hours/week for 15 week	10%
	2		Identification of different transmission & scanning electron micrographs. 4 hours/week for 15 week	10%
	2		Identification & preparation of Immunohistochemical staining techniques. 4 hours/week for 15 week	10%
	1.5		Fresh tissue sectioning by cryostat for preparation of different histochemical stains. 3 hours/week for 15 week	7.5%
	1.5		Training on morphometric measurements by the use of the computer assisted image analyzer. 3 hours/week for 15 week	7.5%
	1		Examination of Tissues by Fluorescent microscope. 2 hours/week for 15 week	5%
	1		Evaluation of laboratory slides for student teaching before sections 1 hours/ week for 30 weeks.	5%
	5		Student teaching & adjustment of laboratory slides in the time of pre-lab teaching 6 hours/ week for 25 weeks.	25%
	2		Attendance of practical lectures with the staff members 2 hours/ week for 30 weeks.	10%
	1		Attendance of academic lectures of undergraduate students 4 hours/ month 7.5 months	5%
	1		Formative assessment	5%
Student signature			Principle coordinator Signature	Head of department signature



Tissue Culture & Stem Cells Isolation Log

NO.	Processing of specimens		Level of participation *	Location	Signature of supervisor

* Level of participation
A- Plan and carry out
B- Carry out
C- Carry out under supervision



Faculty of Medicine

Transmission & Scanning EM log

NO.	Level of participation *	Location	Signature of supervisor

* Level of participation
A- Plan and carry out
B- Carry out
C- Carry out under supervision



Faculty of Medicine

Immunohistochemical staining log

NO.	Diagnosis of Stain	Level of participation *	Location	Signature of supervisor

* Level of participation
 A- Plan and carry out
 B- Carry out
 C- Carry out under supervision

Cryostat Training log

NO.	Level of participation *	Location	Signature of supervisor

* Level of participation
 A- Plan and carry out
 B- Carry out
 C- Carry out under supervision



Morphometry Training log

NO.	Level of participation *	Location	Signature of supervisor

- * Level of participation
- A- Plan and carry out
- B- Carry out
- C- Carry out under supervision



Faculty of Medicine

Fluorescent Microscope Training log

NO.	Level of participation *	Location	Signature of supervisor

- * Level of participation
A- Plan and carry out
B- Carry out
C- Carry out under supervision



Faculty of Medicine

Procedure log of Evaluation of laboratory slides for student teaching

Date	Name of the evaluated system	Name of the lab	Signature of Staff member



Faculty of Medicine

Procedure log of Student teaching

Date	Title of Tutorial	Signature of Staff member



Faculty of Medicine

Procedure log of Attendance of Academic (undergraduate) lectures

Date	Title of Tutorial	Signature of Staff member

Year 2

(12 credit point for didactic)

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Course 5 (Histology 2) Module 1: Advanced Cytology 3.5 point	0.75	Histology Department	7.5 hours Cell membrane & its modifications	6.25%
	0.25		2.5 hours Nucleus	2%
	1.5		15 hours Cytoplasm (membranous & non-membranous organelles)	12.5%
	0.25		2.5 hours Cell inclusions	2 %
	0.25		2.5 hours Cell activities	2 %
	0.25		2.5 hours Cell cycle	2 %
	0.25		Formative assessment	2.25%
	Module 1: Advanced Histochemistry 1.5 point		0.5	5 hours -Microscopes (recent uses and applications) - Cytochemical methods, their nature, types and limitations. - Cytochemistry and histochemistry of protein, nucleic acid and nucleoproteins. - Carbohydrate and mucosubstance. - Lipids
0.5		5 hours - Enzyme histochemistry. - Immunohistochemistry.	4%	
0.5		5 hours - Techniques of Autoradiography. - Some special histochemical methods. - Nanotechnology	4%	
Module 1: Advanced	0.5	5 hours - Fixation of tissues	4%	



Faculty of Medicine

Microtechnique 1 point	0.5		-Basic methods of study in histology	
			5 hours	4%
			-Theory and practice of staining -Structure of dyes used in histology	
Course 5 (Histology 2) Module 2: General Histology 6 points	0.75		7.5 hours Epithelial tissue	6.25%
	1		10 hours Connective tissue	8.5%
	1		10 hours Bone marrow and blood	8.5%
	1		10 hours Muscular tissue	8.5%
	1		10 hours Nervous tissue	8.5%
	1		Attendance of at least 1 seminar (2 hours /week) for 5 week Presentation at least once	8.5%
	0.25		Formative Assessment	2.25%
Student signature			Principle coordinator Signature	Head of the department Signature



Faculty of Medicine

Advanced Histochemistry lectures

Date	Title of Tutorial	Signature of Staff member

Advanced Microtechnique Lectures

Date	Title of Tutorial	Signature of Staff member



Faculty of Medicine

General Histology lectures

Date	Title of Tutorial	Signature of Staff member



Seminars log

First: Attendance

Date	Attendance	Topic	Signature

(21 credit point for training)

Practical training	Credit points	Responsible department	Attendance	Percentage of Achieved points
Histology 2	2	Histology Department	Principles of Tissue Culture and Stem Cells Isolation. 4 hours/week for 15 week	9.5%
	2		Identification of different transmission & scanning electron micrographs . 4 hours/week for 15 week	9.5%
	2		Identification & preparation of Immunohistochemical staining techniques. 4 hours/week for 15 week	9.5%
	1.5		Fresh tissue sectioning by cryostat for preparation of different histochemical stains. 3 hours/week for 15 week	7%
	1.5		Training on morphometric measurements by the use of the computer assisted image analyzer . 3 hours/week for 15 week	7%
	1		Examination of Tissues by Fluorescent microscope . 2 hours/week for 15 week	5%
	1		Evaluation of laboratory slides for student teaching before sections 1 hours/ week for 30 weeks.	5%
	6		Student teaching & adjustment of laboratory slides in the time of pre-lab teaching 7 hours/ week for 26 weeks.	28.5%
	2		Attendance of practical lectures with the staff members 2 hours/ week for 30 weeks.	9%
	1		Attendance of academic lectures of undergraduate students 4 hours/ month for 7.5 months	5%
1	Formative assessment	5%		
Student signature			Principle coordinator Signature	Head of department signature

Tissue Culture & Stem Cells Isolation Log

NO.	Processing of specimens	Level of participation *	Location	Signature of supervisor

* Level of participation
 A- Plan and carry out
 B- Carry out
 C- Carry out under supervision



Transmission & Scanning EM log

NO.	Level of participation *	Location	Signature of supervisor

* Level of participation
 A- Plan and carry out
 B- Carry out
 C- Carry out under supervision



Immunohistochemical staining log

NO.	Diagnosis of Stain	Level of participation *	Location	Signature of supervisor

* Level of participation
A- Plan and carry out
B- Carry out
C- Carry out under supervision



Faculty of Medicine

Cryostat Training log

NO.	Level of participation *	Location	Signature of supervisor

- * Level of participation
A- Plan and carry out
B- Carry out
C- Carry out under supervision

Morphometry Training log

NO.	Level of participation *	Location	Signature of supervisor

- * Level of participation
A- Plan and carry out
B- Carry out
C- Carry out under supervision

Fluorescent Microscope Training log

NO.	Level of participation *	Location	Signature of supervisor

* Level of participation
 A- Plan and carry out
 B- Carry out
 C- Carry out under supervision



Procedure log of Evaluation of laboratory slides for student teaching

Date	Name of the evaluated system	Name of the lab	Signature of Staff member



Faculty of Medicine

Procedure log of Attendance of Academic (undergraduate) lectures

Date	Title of Tutorial	Signature of Staff member

Year 3

(6 credit point for didactic)

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Module 3: Special Histology 6 points	0.5	Histology Department	5 hours Vascular system	8.5%
	0.5		5 hours Lymphatic & Immune system	8.5%
	0.5		5 hours Skin	8.5%
	1		10 hours Digestive system	17%
	0.5		5 hours Respiratory system	8.5%
	0.5		5 hours Urinary system	8.5%
	0.5		5 hours Endocrine System	8.5%
	0.5		5 hours Male reproductive system	8.5%
	0.5		5 hours Female reproductive system	8.5%
	0.75		Attendance of at least 1 seminar (2 hours /week) for 5 week Presentation at least once	12%
	0.25		Formative Assessment	3%
Student signature			Principle coordinator Signature	Head of the department signature



Special Histology lectures

Date	Title of Tutorial	Signature of Staff member



Faculty of Medicine

Seminars log

First: Attendance

Date	Attendance	Topic	Signature

Second: Seminars presentation

Date	Topic	Signature

(21 credit point for training)

Practical training	Credit points	Responsible department	Attendance	Percentage of Achieved points
Histology 2	2	Histology Department	Principles of Tissue Culture and Stem Cells Isolation. 4 hours/week for 15 week	9.5%
	2		Identification of different transmission & scanning electron micrographs. 4 hours/week for 15 week	9.5%
	2		Identification & preparation of Immunohistochemical staining techniques. 4 hours/week for 15 week	9.5%
	1.5		Fresh tissue sectioning by cryostat for preparation of different histochemical stains. 3 hours/week for 15 week	7%
	1.5		Training on morphometric measurements by the use of the computer assisted image analyzer. 3 hours/week for 15 week	7%
	1		Examination of Tissues by Fluorescent microscope. 2 hours/week for 15 week	5%
	1		Evaluation of laboratory slides for student teaching before sections 1 hours/ week for 30 weeks.	5%
	6		Student teaching & adjustment of laboratory slides in the time of pre-lab teaching 7 hours/ week for 26 weeks.	28.5%
	2		Attendance of practical lectures with the staff members 2 hours/ week for 30 weeks.	9%
	1		Attendance of academic lectures of undergraduate students 4 hours/ month 7.5 months	5%
	1		Formative assessment	5%
Student signature			Principle coordinator Signature	Head of department signature

Tissue Culture & Stem Cells Isolation Log

NO.	Processing of specimens	Level of participation *	Location	Signature of supervisor

* Level of participation
A- Plan and carry out
B- Carry out
C- Carry out under supervision

Transmission & Scanning EM log

NO.	Level of participation *	Location	Signature of supervisor

* Level of participation
A- Plan and carry out
B- Carry out
C- Carry out under supervision

Immunohistochemical staining log

NO.	Diagnosis of Stain	Level of participation *	Location	Signature of supervisor

- * Level of participation
- A- Plan and carry out
- B- Carry out
- C- Carry out under supervision



Faculty of Medicine

Cryostat Training log

NO.	Level of participation *	Location	Signature of supervisor

* Level of participation
 A- Plan and carry out
 B- Carry out
 C- Carry out under supervision



Faculty of Medicine

Fluorescent Microscope Training log

NO.	Level of participation *	Location	Signature of supervisor

- * Level of participation
A- Plan and carry out
B- Carry out
C- Carry out under supervision



Procedure log of Student teaching

Date	Title of Tutorial	Signature of Staff member



Faculty of Medicine

Procedure log of Attendance of practical lectures

Date	Title of Tutorial	Signature of Staff member

Year 4

(6 credit point for didactic)

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Module 4 Advanced Histology "3" 6 points	1	Histology Department	5 hours Eye	17%
	1		5 hours Ear	17%
	1		10 hours CNS	17%
	2		Attendance of at least 1 seminar (2 hours /week) for 10 week Presentation at least once	34%
	1		Formative assessment	17%
Student signature			Principle coordinator Signature	Head of the department signature



Faculty of Medicine

Advanced Histology lectures

Date	Title of Tutorial	Signature of Staff member



Faculty of Medicine

Seminars log

First: Attendance

Date	Attendance	Topic	Signature

Second: Seminars presentation

Date	Topic	Signature

(21 credit point for training)

Practical training	Credit points	Responsible department	Attendance	Percentage of Achieved points
Histology 2	2	Histology Department	Principles of Tissue Culture and Stem Cells Isolation. 4 hours/week for 15 week	9.5%
	2		Identification of different transmission & scanning electron micrographs. 4 hours/week for 15 week	9.5%
	2		Identification & preparation of Immunohistochemical staining techniques. 4 hours/week for 15 week	9.5%
	1.5		Fresh tissue sectioning by cryostat for preparation of different histochemical stains. 3 hours/week for 15 week	7%
	1.5		Training on morphometric measurements by the use of the computer assisted image analyzer. 3 hours/week for 15 week	7%
	1		Examination of Tissues by Fluorescent microscope. 2 hours/week for 15 week	5%
	1		Evaluation of laboratory slides for student teaching before sections 1 hours/ week for 30 weeks.	5%
	6		Student teaching & adjustment of laboratory slides in the time of pre-lab teaching 7 hours/ week for 26 weeks.	28%
	2	Attendance of practical lectures with the staff members 2 hours/ week for 30 weeks.	9.5%	
	1	Attendance of academic lectures of undergraduate students 4 hours/ month for 7.5 months	5%	
	1	Formative assessment	5%	
Student signature			Principle coordinator Signature	Head of department signature



Faculty of Medicine

Tissue Culture & Stem Cells Isolation Log

NO.	Processing of specimens	Level of participation *	Location	Signature of supervisor

* Level of participation
 A- Plan and carry out
 B- Carry out
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Faculty of Medicine

Transmission & Scanning EM log

NO.	Level of participation *	Location	Signature of supervisor

* Level of participation
A- Plan and carry out
B- Carry out
C- Carry out under supervision

Immunohistochemical staining log

NO.	Diagnosis of Stain	Level of participation *	Location	Signature of supervisor

* Level of participation
 A- Plan and carry out
 B- Carry out
 C- Carry out under supervision



Faculty of Medicine

Cryostat Training log

NO.	Level of participation *	Location	Signature of supervisor

- * Level of participation
A- Plan and carry out
B- Carry out
C- Carry out under supervision

Morphometry Training log

NO.	Level of participation *	Location	Signature of supervisor

* Level of participation
 A- Plan and carry out
 B- Carry out
 C- Carry out under supervision



Procedure log of Evaluation of laboratory slides for student teaching

Date	Name of the evaluated system	Name of the lab	Signature of Staff member



Faculty of Medicine

Procedure log of Student teaching

Date	Title of Tutorial	Signature of Staff member



Procedure log of Attendance of practical lectures

Date	Title of Tutorial	Signature of Staff member

Procedure log of Attendance of Academic (undergraduate) lectures

Date	Title of Tutorial	Signature of Staff member



Academic activities

Journal club, conference, workshop

Activity	Your role **	Date	Signature of supervisor

** Your role:-
 A- Attendance
 B- Organization
 C- Presentation



Formative assessment and MCQ

Exam	Score	*Degree	Date	Signature

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



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)	strongly agree (7)
Demonstrate the competency of continuous evaluation of different types of care provision to patients in the different area of his field.								
Appraise scientific evidence.								
Continuously improve patient care based on constant self-evaluation and <u>life-long learning</u> .								
Participate in clinical audit and research projects.								

General skills	could not judge (0)	strongly disagree(1)	(2)		(3)		(4)		(5)		(6)	strongly agree (7)
Practice skills of evidence-based Medicine (EBM).												
Educate and evaluate students, residents and other health professionals.												
Design logbooks.												
Design clinical guidelines and standard protocols of management.												
Appraise evidence from scientific studies related to the patients' health problems.												
Apply knowledge of study designs and statistical methods to the appraisal of clinical studies.												
Use information technology to manage information, access on- line medical information; for the important topics.												
Master interpersonal and communication skills that result in the effective <u>exchange of information and collaboration</u> with patients, their families, and health professionals, including:- <ul style="list-style-type: none"> • <u>Present</u> a case. • <u>Write</u> a consultation note. • <u>Inform patients</u> of a diagnosis and therapeutic plan Completing and maintaining comprehensive. • Timely and legible <u>medical records</u>. • Teamwork skills. 												



Faculty of Medicine

General skills	could not judge (0)	strongly disagree(1)	↩ (2) (3)		↩ (4) (5)		↩ (6)	strongly agree (7)
Create and sustain a therapeutic and ethically sound relationship with patients.								
Elicit and provide information using effective nonverbal, explanatory, questioning, and writing skills.								
Work effectively with others as a member or leader 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, and business practices.								
Demonstrate sensitivity and responsiveness to patients' culture, age, gender, and disabilities.								
Work effectively in health care delivery settings and systems related to specialty including good administrative and time management.								
Practice cost-effective healthcare and resource allocation that does not compromise quality of care.								



Faculty of Medicine

General skills	could not judge (0)	strongly disagree(1)	↔		↔		(6)	strongly agree (7)
			(2)	(3)	(4)	(5)		
Advocate for quality patient care and assist patients in dealing with system complexities.								
Design, monitor and evaluate specification of under and post graduate courses and programs.								
Act as a chair man for scientific meetings including time management								

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



Faculty of Medicine

Elective Course Practical skills

Date	Attendance	Topic	Signature

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



Name of the elective course: -----

Elective Course Lectures

Date	Attendance	Topic	Signature

Elective Course Practical skills

Date	Attendance	Topic	Signature

الرسائل العلمية

عنوان الرسالة

عربي : _____

انجليزي : _____

المشرفون : _____

1- _____

2- _____

3- _____

4- _____

تاريخ القيد لدرجة : / / _____

تاريخ التسجيل الموضوع : _____

المتابعة الدورية : _____

توقيع المشرفين	المتبقي	ما تم انجازه من بروتوكول البحث	التاريخ

Declaration

Course Structure Mirror	Responsible (Course) Coordinator Name:	Signature	Date
First Part			
-Course 1 Medical statistics			
-Course 2 Research Methodology			
-Course 3 Medicolegal Aspects & Ethics in Medical Practice and Scientific Research			
-Course 4 (Histology 1) Molecular Biology			
Second Part			
Course 5: Speciality Course (Histology 2)			
- Elective Course (1) Certificate Dates:			
- Elective Course (2) Certificate Dates:			
- M. D. Thesis Acceptance Date:			
- Fulfillment of required contact Credit points prior to final examination			
Histology M.D. Degree Principle Coordinator:			
Date approved by Histology Department Council:			

يعتمد ،
رئيس القسم

أ.د./