

3Master Degree of Human anatomy and Embryology Log Book



” كراسة الأنشطة ”

**اللازمة لحصول المتدرب على درجة الماجستير في التشريح الادمى وعلم
الاجنة**

2022-2023

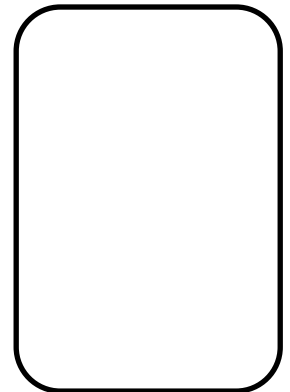


Contents

NO	SUBJECT	PAGE
1	Personal data	3
2	Instructions to the use of logbook	4
3	Curriculum structure	5
4	First Part Course 1 Basic embryology Or Course 1 Basic neuroanatomy	8 16
5	Speciality Courses advanced anatomy	23
5	Unit 1:Basic anatomy	42
6	Unit2:Advanced neuroanatomy	36
7	Unit 3:Advanced embryology	47
8	Elective Course	63
9	Other Scientific Activities	66
10	Master Degree Thesis pathway	68
11	Declaration	69



Personal photo



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

Name of hospital	Period of work	Hospital director signature

Academic Information

MBBCh...../...../..... 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.18

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

Sections of the book

For each module / course / rotation

You should fill the following sections:-

1- Clinical/practical case log

- 1- You will first find list with all required cases in the concerned module 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 clinical cases in the module and each case should be signed by you trainer.

2- Clinical case/ practical presentation log

Record the cases related to the module that you have presented in a seminar of the activity.

3- Procedures / Experiments log

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



4- Rotation / attendance proof

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

For the whole program fill the following sections.

1- Academic activities

A- 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- 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
- Quises



Curriculum Structure:

Duration of program 36 months

Program Structure

Program Time Table

Duration of program 3 years maximally 5 years divided into

- Part 1

Program-related basic science courses and ILOs + elective courses

Students are allowed to set the exams of these courses after 12 months from applying to the M Sc degree.

- Thesis

For the M Sc thesis;

MSc thesis subject should be officially registered within 6 months from application to the MSc degree,

Discussion and acceptance of the thesis should not be set before 12 months from registering the M Sc subject;

It could be discussed and accepted before passing the second part of examination)

- Part 2

Program –related speciality courses and ILOs

Students are not allowed to set the exams of these courses before 3 years from applying to the MSc degree.

n.b. Fulfillment of the requirements in each course as described in the template and registered in the log book is a pre-request for candidates to be assessed and undertake part 1 and part 2 examinations.



First Part

Academic activities of basic sciences

Practice with academic department during year 1

Course 1 Basic embryology

Or

Course 1 Basic neuroanatomy

Course 1 Basic Embryology

Credit points:

- 8 credit point for didactic (lectures, seminars, tutorial) and 10 point for training.
- Minimal rate of attendance 80% of training and didactic

Didactic: 8 points

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Embryology	0.5	Human anatomy and embryology	5 hours Formation maturation and structure of germ cells and ovulation	6.3%
	0.5		5 hours Fertilization ,cleavage and formation of germ layers	6.3%
	0.5		5 hours Implantation of the blastocyst and development of fetal membranes	6.3%
	0.5		5 hours placenta	6.3%
	0.5		5hours Fate of germ layers	6.3%
	0.5		5 hours Growth of embryo and fetus	6.3%
	0.5		5 hours Abnormal development and twining	6.3%
	0.75			7.5 hours Development of cardiovascular system



Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Embryology	0.5	Human anatomy and embryology	5 hours Development of head and neck	6.3%
	0.5		5 hours Development of gastrointestinal system	6.3%
	0.25		2.5 hours Development of respiratory system	3 %
	0.25		2.5 hours Pleural and peritoneal cavities	3 %
	0.5		5 hours Development of urogenital system	6.3
	0.75		7.5 hours Development of the nervous system	9.4%
	0.25		2.5 hours Development of muscular system	3 %
	0.5		5 hours Development of skeletal system	6.3
	0.25		2.5 hours development of integumentary system	3.1 %
Student signature			Principle coordinator signature	Head of the department signature



Training: 10 points

Clinical training	Credit points	Responsible department	Attendance	Percentage of Achieved points
Embryology	5	Human anatomy and embryology	Practice in the Anatomy and Embryology department including: Examination of microscopic slides for at least 2 days/week for 15 weeks	50%
	3		Practice in the research laboratory including: Preparation of microscopic embryology slides at different stages for at least 1 day/week for 18 weeks	30%
	2		Attendance of embryology museum for at least 1 day /week for 12 weeks	20%
Student signature			Principle coordinator signature	Head of the department signature



Course 1 Basic Neuroanatomy

Course 1 Basic
Neuroanatomy

Credit points:

- 8 credit point for didactic (lectures, seminars, tutorial) and 10 point for training.
- Minimal rate of attendance 80% of training and didactic



Didactic: 8 points

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Neuroanatomy	1	Human anatomy and embryology	10 hours Spinal cord	12.5%
	1		10 hours Brain stem	12.5%
	0.5		5hours cerebellum	6.3%
	1		10 hours cerebrum	12.5%
	1		10 hours Basal ganglia	12.5%
	0.75		7.5 hours cranial nerve nuclei	9.4%
	1		10 hours diencephalon	12.5%
	0.5		5 hours Autonomic nervous system	6.3%
	0.5		5 hours Cerebral white matter	6.3%
	0.5		5 hours Meninges	6.3%
	0.25		2.5 hours Blood supply	3.1%
	Student signature			



Training: 10 points

Clinical training	Credit points	Responsible department	Attendance	Percentage of Achieved points
Neuroanatomy	5	Human anatomy and embryology	Practice in the Anatomy and Embryology department including: Examination of microscopic slides for at least 2 days/week for 15 weeks	50%
	3		Practice in the research laboratory including: Preparation of microscopic neuroanatomy slides for at least 1day/week for 18 weeks	30%
	2		Attendance of neuroanatomy museum for at least1 day /week for 24 weeks For examination of : -specimens of neuroanatomy -examination of plastination sections And writing reports	20%
Student signature			Principle coordinator Signature	Head of the department signature

Specialized course

Units' Titles' list	% from total	Level (Year)	Core Credit points		
			Didactic	training	Total
Unit 1: Basic Anatomy	50%	1,2,3	12	58	70
Unit 2: Advanced Neuroanatomy	25%	1,2,3	6	29	35
Unit 3: Advanced Embryology	25%	1,2,3	6	29	35
			24	116	140

Unit 1 Basic Anatomy

Unit 1 Basic Anatomy

Credit points:

- 12 credit point for didactic (lectures, seminars, tutorial) and 58 point for training.
- Minimal rate of attendance 80% of training and didactic



Year 1

(10 credit point for training)

Clinical training	Credit points	Responsible department	Attendance	Percentage of Achieved points
Basic Anatomy	4	Human anatomy and embryology department	Attendance at anatomy museum for at least 1 days/week for 24 weeks Including -examination of specimens	40%
	3		Student teaching attendance of at least 2 sections /week for 23 weeks	30%
	2		Practice in the Human anatomy and embryology department 2 days/week for 6weeks Including writing reports on anatomical specimens	10%
	1		Formative	10%
Student signature			Principle coordinator Signature	Head of the department signature



Year 2

(6 credit point for didactic)

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Basic Anatomy	1	Human anatomy and embryology department	(Head and neck) 2.5hours -bones and face and scalp -triangles of the neck 2.5 hours -cranial cavity -orbit 2.5 hours -great vessels of the neck -lower four cranial nerves 2.5hour -Infratemporal fossa -submandibular region	16.6%
	0.5		(Thorax) 2.5 hours -bony thorax -thoracic wall 2.5 hours -Pleura and lung	8.3%
	1		(Abdomen) 5 hours -Bones and anterior abdominal wall 5 hours -peritoneum	16.6%
	1		(Pelvis) 5 hours -bony pelvis -muscles .nerves and vessels of the pelvis 5 hours -urinary bladder and male genital organs	16.6%
	1		(Upper limb) 5 hours -Bones of the upper limb -Pectoral region and back 2.5 hours -Axilla -Brachial plexus 2.5 hours -Arm	16.6%
	1		(Lower limb) 5 hours -bones of the lower limb -thigh 2.5hours -gluteal region 2.5 hours-popliteal fossa	16.6%
	0.5		Formative assessment	8.3%
	Student signature			



(24 credit point for training)

Clinical training	Credit points	Responsible department	Attendance	Percentage of Achieved points
Basic Anatomy	8	Human Anatomy and Embryology Department	Practice in the Anatomy and Embryology department including: Attendance at anatomy museum for at least 2 days/week for 24 weeks Including -examination of specimens	33.3%
	6.5		Student teaching attendance of at least 4 sections /week for 24 weeks	27%
	8		Practice in the Anatomy and Embryology department 2 days/week for 24 weeks Including writing reports on anatomical specimens	33.4%
	1.5		Formative assessment	6.3%
Student signature			Principle coordinator Signature	Head of the department signature

Year 3

(6 credit point for didactic)

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Basic Anatomy	1.5	Human Anatomy and Embryology Department	(Head and neck) 2.5hours -thyroid gland -cervical plexus and scalenei muscles 2,5 hours -mouth cavity -nasal cavity 5 hours -pharynx -larynx 5 hour -anatomy of the ear -anatomy of the eye ball	25%
	0.5		(Thorax) 2.5 hours - mediastinum 2.5 hours - pericardium and the heart	8.3%
	0.75		(Abdomen) 5hours -abdominal organs 2.5 hours -posterior abdominal wall	12.5%
	0.75		(Pelvis) 2 .5 hours -female genital organs and rectum 5 hours -perenium	12.5%
	1		(Upper limb) 2.5 hours -cubital fossa and forearm 5hours -anatomy of the hand 2.5 hours - hand as a functional unit	16.6%
	1		Lower limb 2.5 hours -leg 5 hours -foot 2.5 hours -arches of foot and walking	16.6%
	0.5		Formative assessment	8.3%
	Student signature			



Year 3

(24 credit point for training)

Clinical training	Credit points	Responsible department	Attendance	Percentage of Achieved points
Basic Anatomy	8	Human Anatomy and Embryology Department	Practice in the Anatomy and Embryology department including: Attendance at anatomy museum for at least 2 days/week for 24 weeks Including -examination of specimens	33.3%
	6.5		Student teaching attendance of at least 4 sections /week for 24 weeks	27%
	8		Practice in the Anatomy and Embryology department museum for at least 2 days/week for 24 weeks including: writing reports on anatomical specimens	33.4%
	1.5		Formative assessment	6.3%
Student signature			Principle coordinator Signature	Head of the department signature

Unit 2 Advanced Neuroanatomy

Credit points:

- 6 credit point for didactic (lectures, seminars, tutorial) and 29 point for training.
- Minimal rate of attendance 80% of training and didactic



Year 1

(5 credit point for training)

Clinical training	Credit points	Responsible department	Attendance	Percentage of Achieved points
Advanced Neuroanatomy	2	Human anatomy and embryology department	Attendance at neuroanatomy museum for at least 1 days/week for 12 weeks Including -examination of specimens	40%
	2		Student teaching attendance of at least 2 sections /week for 15 weeks	40%
	1		Practice in neuroanatomy museum for 1 day /week for 6 weeks including: writing reports on museum specimens	20%
Student signature			Principle coordinator Signature	Head of the department signature



Year 2 (3 points didactic)

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Unit 2: Advanced Neuroanatomy	0.75	Human anatomy and embryology department	7.5 hours -spinal cord	25%
	0.75		7.5 hours -brain stem	25%
	0.5		5 hours -cerebellum	16.7%
	0.5		5 hours -diencephalon	16.7%
	0.25		➤ Attendance of the seminars 1/ month for 2 months Presentation of at least 1 time in the seminar	8.3%
	0.25		Formative assessment	8.3%
Student signature			Principle coordinator Signature	Head of the department signature



Year 2
12 points for training

Clinical training	Credit points	Responsible department	Attendance	Percentage of Achieved points
Advanced Neuroanatomy	5	Human anatomy and embryology	Practice in the Anatomy and Embryology department including: Examination of microscopic slides for at least 2 days/week for 15 weeks	41.7%
	3		Practice in the research laboratory including: Preparation of microscopic neuroanatomy slides for at least 1day/week for 18 weeks	25%
	3		Attendance of neuroanatomy museum for at least1 day /week for 18 weeks for examination of : -specimens of neuroanatomy -examination of plastination sections and writing reports	25%
	1		Formative assessment	8.3%
Student signature			Principle coordinator signature	Head of the department signature



Year 3
(3 points didactic)

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Unit 2: Advanced Neuroanatomy	0.75	Human anatomy and embryology	7.5 hours -basal ganglia	25%
	0.75		7.5hours -cerebrum	25%
	0.75		7.5 hours -limbic system	25%
	0.5		5 hours -reticular formation	16.6%
	0.25		Formative assessment	8.4%
Student signature			Principle coordinator Signature	Head of the department signature



Year 3
12 points for training

Clinical training	Credit points	Responsible department	Attendance	Percentage of Achieved points
Unit 2: Advanced Neuroanatomy	5	Human anatomy and embryology	Practice in the Anatomy and Embryology department including: Examination of microscopic slides for at least 2 days/week for 15 weeks	41.7%
	3		Practice in the research laboratory including: Preparation of microscopic neuroanatomy slides for at least 1 day/week for 18 weeks	25%
	2		Attendance of neuroanatomy museum for at least 1 day /week for 18 weeks For examination of : -specimens of neuroanatomy -examination of plastination sections and writing reports	25%
	1		Formative assessment	8.3%
Student signature			Principle coordinator signature	Head of the department signature

Unit 3 Advanced Embryology

Unit 3 Advanced Embryology

Credit points:

- 6 credit point for didactic (lectures, seminars, tutorial) and 29 point for training.
- Minimal rate of attendance 80% of training and didactic

Year 1

(5 credit point for training)

Clinical training	Credit points	Responsible department	Attendance	Percentage of Achieved points
Advanced Embryology	2	Human anatomy and embryology department	Attendance at embryology museum for at least 1 days/week for 12 weeks Including -examination of specimens	40%
	1.5		Student teaching attendance of at least 2 sections /week for 12 weeks	30%
	1		Practice in the Embryology museum for at least 1 days/week for 6weeks including writing reports on museum specimens	20%
	0.5		Formative assessment	10%
Student signature			Principle coordinator Signature	Head of the department signature



Year 2(3 points didactic)

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Unit 3: Advanced Embryology	0.75	Human anatomy and embryology department	7.5 hours Formation and maturation of germ cells	25%
	0.75		7.5 hours -fertilization ,cleavage and formation of germ layers	25%
	0.75		7.5 hours -implantation,development of fetal membranes -placenta	25%
	0.5		5 hours -fate of germ layers -abnormal development and twinning	16.7%
	0.25		Formative assessment	8.3%
Student signature			Principle coordinator Signature	Head of the department signature



Year 2

Training 12 points

Clinical training	Credit points	Responsible department	Attendance	Percentage of Achieved points
Unit 3: Advanced Embryology	5	Human anatomy and embryology department	Practice in the Anatomy and Embryology department including: Examination of microscopic slides for at least 2 days/week for 15 weeks	41.7%
	3		Practice in the research laboratory including: Preparation of microscopic embryology slides for at least 1day/week for 18 weeks	25%
	3		Attendance of embryology museum for at least 1 day /week for 18 weeks For examination of : -specimens of embryology and writing reports	25%
	1		Formative assessment	8.3
Student signature			Principle coordinator signature	Head of the department signature



Year 3

(3 points didactic)

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Unit 3: Advanced Embryology	0.5	Human anatomy and embryology department	5 hours -development of cardiovascular system	16.7%
	0.5		5 hours -development of genitourinary system	16.7%
	0.5		5 hours -development of gastrointestinal system	16.7%
	0.25		2.5 hours -development of the nervous system	8.3%
	0.5		5 hours -Development of the head and neck -Development of ear and eye	16.6%
	0.25		2.5 hours Development of the muscular and skeletal systems -development of the integumentary system	8.3%
	0.25		➤ Attendance of the seminars 1/month for 2 months Presentation of at least 1 time in the seminar	8.3%
	0.25		Formative assessment	8.3%
Student signature			Principle coordinator Signature	Head of the department signature

Year 3

Training 12 points

Clinical training	Credit points	Responsible department	Attendance	Percentage of Achieved points
Unit 3: Advanced Embryology	5	Human anatomy and embryology department	Practice in the Anatomy and Embryology department including: Examination of microscopic slides for at least 2 days/week for 15 weeks	41.7%
	3		Practice in the research laboratory including: Preparation of microscopic embryology slides for at least 1day/week for 18 weeks	25%
	3		Attendance of embryology museum for at least 1 day /week for 18 weeks for examination of : -specimens of embryology and writing reports	25%
	1		Formative assessment	8.3%
Student signature			Principle coordinator signature	Head of the department signature



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)	↻ (3)		↻ (5)		↻ (6)	strongly agree (7)
			(2)	(4)				
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.								



General skills	could not judge (0)	strongly disagree(1)	↔ (3)		↔ (5)		(6)	strongly agree (7)
			(2)	(4)	(5)			
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.								



General skills	could not judge (0)	strongly disagree(1)	 (3) (2)		 (4) (5)		 (6)	strongly agree (7)
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

Requirements

● **Credit points:** 2 credit point.

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

One of these courses

- Medical statistics.
- Evidence based medicine.
- Medicolegal Aspects and Ethics in Medical Practice and Scientific Research
- Quality assurance of medical education.
- Quality assurance of clinical practice.
- Hospital management
-



الرسائل العلمية

عنوان الرسالة

عربي : _____

انجليزي : _____

المشرفون : _____

1- _____

2- _____

3- _____

4- _____

تاريخ القيد لدرجة : / /

تاريخ التسجيل الموضوع:

المتابعة الدورية :

التاريخ	ما تم انجازه من بروتوكول البحث	المتبقي	توقيع المشرفين



Declaration

Course Structure Mirror	Responsible (Course) Coordinator Name:	Signature	Date
First Part			
Course 1			
Second Part			
Course 2			
Unit 1			
Unit 2			
Unit 2			
- Elective Course (s) Certificate (s) Dates:			
- Master Degree Thesis Acceptance Date:			
- Fulfillment of required credit points prior to final examination			
Human Anatomy and Embryology M Sc Degree Principle Coordinator:			
Date approved by Human Anatomy and Embryology Department Council:			

يعتمد ،

رئيس القسم