

# Medical Doctorate (M.D.) Degree of Human Anatomy and Embryology Log Book



” كراسية الأنشطة ”

اللازمة لحصول المتدرب على درجة الدكتوراه فى التشريح الادمى  
وعلم الاجنة

2022-2023



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Personal Data :-

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 .....MSc... 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 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 / operations 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



## 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.

○ Thesis and 2 published researches

For the M D thesis;

MD thesis subject should be officially registered within 6 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.



# First Part

| <b>Course</b>   | <b>Name of the course</b>   |
|-----------------|---|
| <b>Course 1</b> | <b>Medical statistics.</b>  |
| <b>Course 2</b> | <b>Research methodology</b>   |
| <b>Course 3</b> | <b>Medicolegal Aspects and Ethics in Medical Practice and Scientific Research</b> |
| <b>Course 4</b> | <b>Science of growth , Anthropology and Comparative Anatomy</b>                   |



# 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 | 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 |







# 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 | Pubic Health & Community Medicine |   | 100%                             |
|                      | 0.15           |                                   | 4 hours<br>Introduction & proposal writing    | 15%                              |
|                      | 0.15           |                                   | 4 hours<br>Epidemiological study designs      | 15%                              |
|                      | 0.15           |                                   | 4 hours<br>Screening & theoretical background | 15%                              |
|                      | 0.24           |                                   | 6 hours<br>Screening practical                | 24%                              |
|                      | 0.15           |                                   | 4 hours<br>Sample size calculation            | 15%                              |
|                      | 0.08           |                                   | 2 hours<br>Research bias                      | 8%                               |
|                      | 0.08           |                                   | 2 hours<br>Ethics in research                 | 8%                               |
|                      | -              |                                   | 2 hours<br>Revision                           | -                                |
| Student signature    |                |                                   | Principle coordinator signature               | Head of the department 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 |
|  |                |   |                                 |                                  |





## Course 4

# Science of growth , Anthropology and Comparative Anatomy

### Requirements:

- Credit points: 7      Credit points:
- Minimal rate of attendance 80%



# Science of growth Anatomy

## Requirements

- Credit points: 3      Credit points:
- Minimal rate of attendance 80%

| Name of the course | Credit points                    | Responsible department                  | Attendance   | Percentage of Achieved points    |
|--------------------|----------------------------------|---|--|----------------------------------|
| Science of growth  | 1                                | Human Anatomy and Embryology Department | 5 hours<br>Definition and factors which control growth | 33.3 %                           |
|                    | 1                                |   | 5 hours<br>Pattern of growth                           |                                  |
|                    | 1                                |   | 10 hours<br>Developmental ages                         | 33.3 %                           |
|                    | 10 hours<br>Stages of life cycle |   | 33.3 %   |                                  |
| Student signature  |                                  |   | Principle coordinator signature                        | Head of the department signature |
|                    |                                  |   |  |                                  |







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# Anthropology and Comparative Anatomy

## Requirements

- Credit points: 4      Credit points
- Minimal rate of attendance 80%

| Name of the course                   | Credit points | Responsible department                  | Attendance                                    | Percentage of Achieved points    |
|--------------------------------------|---------------|---|---|----------------------------------|
| Anthropology and comparative anatomy | 1             | Human Anatomy and Embryology Department | 10 hours<br>Evolution of man and its theories | 25%                              |
|                                      | 1             |   | 10 hours<br>General features of primates      | 25%                              |
|                                      | 1             |   | 10 hours<br>Stages of anthropogenesis         | 25%                              |
|                                      | 0.5           |   | 5 hours<br>Human variation and races          | 12.5%                            |
|                                      | 0.5           |   | Formative assessment                          | 12.5%                            |
| Student signature                    |               |   | Principle coordinator signature               | Head of the department Signature |
|                                      |               |   |   |                                  |





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# Speciality course

| Units' Titles' list           | % from total Marks | Level (Year) | Core Credit points |          |       |
|-------------------------------|--------------------|--------------|--------------------|----------|-------|
|                               |                    |              | Didactic           | training | Total |
| Unit1:Basic Anatomy           | 50%                | 2,3,4        | 12                 | 43       | 55    |
| Unit 2: Advanced Neuroanatomy | 25%                | 2,3,4        | 6                  | 20       | 26    |
| Unit3: Advanced Embryology    | 25%                | 2,3,4        | 6                  | 20       | 26    |
|                               |                    |              | 24                 | 83       | 107   |



# Unit 1 Basic Anatomy

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## Credit points:

- 12 credit point for didactic (lectures, seminars, tutorial) and 43 point for training.
- Minimal rate of attendance 80% of training and didactic



## Year 2

(4 credit point for didactic)

| Name of the course                  | Credit points  | Responsible department                  | Attendance   | Percentage of Achieved points |
|-------------------------------------|--|---|--|-------------------------------|
| <b>Unit1:<br/>basic<br/>anatomy</b> | 1  | Human Anatomy and Embryology Department | 2.5 hours<br>-Bones, face and scalp  | 25%                           |
|                                     | 0.25   |   | 2.5 hours<br>-Triangles of the neck  |                               |
|                                     | 0.75   |   | 2.5 hours<br>-Cranial cavity   |                               |
|                                     | 0.5  |   | 2.5 hours<br>-orbit  |                               |
|                                     | 0.75   |   | 2.5 hours<br>-thoracic wall –pleura and lung   |                               |
|                                     | 0.5  |   | 2.5 hours -Anterior abdominal wall<br>2.5 hours -Peritoneum<br>2.5 hours -Stomach and intestine                    |                               |
|                                     | 0.75   |   | 2.5 hours -Pelvic wall<br>2.5 hours -Urinary bladder and male genital organs                                       |                               |
|                                     | 0.25   |   | 2.5 hours<br>Bones of the upper limb<br>2.5 hours<br>-pectoral region and the back<br>2.5 hours<br>-axilla and arm |                               |
| 0.5                                 | 2.5 hours -Bones of the lower limb<br>2.5 hours -Thigh -Gluteal region | 12.5%                                   |  |                               |
| 0.25                                | Formative assessment   | 6.3%                                    |  |                               |
| Student signature                   |  |   | Principle coordinator<br>Signature   | Head of the department        |



## Faculty of Medicine

|  |  |  |  |           |
|--|--|--|--|-----------|
|  |  |  |  | Signature |
|  |  |  |  |           |

## Year 2

(14 credit point for training)

| Clinical training     | Credit points | Responsible department                  | Attendance  | Percentage of Achieved points    |
|-----------------------|---------------|---|---|----------------------------------|
| Unit 1 :Basic anatomy | 4             | Human Anatomy and Embryology Department | -Attendance at anatomy museum for at least 2 days/week for 12 weeks<br>-Practice in the research laboratory including:<br>-examination of specimens | 28.6%                            |
|                       | 7             |   | Student teaching attendance of at least 3 sections /week for 35 weeks   | 50%                              |
|                       | 2             |   | Practice in the Anatomy museum for 1day/week for 12 week including writing reports on anatomical museum specimens                                   | 14.3%                            |
|                       | 1             |   | Formative assessment  | 7.1%                             |
| Student signature     |               |   | Principle coordinator Signature   | Head of the department Signature |
|                       |               |   |   |                                  |



**Year 3 (4 points for didactic)**



## Faculty of Medicine

| Name of the course  | Credit points        | Responsible department                  | Attendance  | Percentage of Achieved points    |
|---------------------|----------------------|---|---|----------------------------------|
| Unit1:Basic Anatomy | 1                    | Human Anatomy and Embryology Department | 2.5 hours<br>-temporal and infratemporal fossae   | 25%                              |
|                     | 0.25                 |   | 2.5 hours<br>-submandibular region and thyroid gland                                    | 6.3%                             |
|                     | 0.5                  |   | 2.5 hours<br>Blood vessels  | 12.8%                            |
|                     | 0.5                  |   | 2.5 hours<br>-Cranial nerves and cervical plexus  | 12.5%                            |
|                     | 0.5                  |   | 2.5 hours<br>-pericardium and heart   | 18.7%                            |
|                     | 0.5                  |   | 2.5 hours<br>-splen –liver -pancreas<br>2.5 hours-kidney and ureter                     | 18.7%                            |
|                     | 0.5                  |   | 2.5 hours<br>-Female genital organs<br>2.5 hours -Rectum                                | 6.3%                             |
|                     | 0.5                  |   | 2.5 hours<br>-Cubital fossa<br>2.5 hours-front of forearm<br>-back of forearm           | 18.7%                            |
|                     | 0.5                  |   | 5 hours<br>-Popliteal fossa<br>-Anterior compartment & Posterior compartment of the leg | 18.7%                            |
|                     | 0.25                 |   | Attendance of seminar 1/ month for 3 months<br>Presentation once in siminar             | 6.3%                             |
| 0.25                | Formative assessment | 18.7%                                   |   |                                  |
| Student signature   |                      |   | Principle coordinator signature   | Head of the department signature |
|                     |                      |   |   |                                  |

### Year 3 (14 credit point for training)





## Faculty of Medicine

| Clinical training    | Credit points | Responsible department                  | Attendance  | Percentage of Achieved points    |
|----------------------|---------------|---|---|----------------------------------|
| Unit1: Basic Anatomy | 4             | Human Anatomy and Embryology Department | -Attendance at anatomy museum for at least 2 days/week for 12 weeks<br>-Practice in the research laboratory including:<br>-examination of specimens | 28.6%                            |
|                      | 7             |   | Student teaching attendance of at least 3 sections /week for 35 weeks   | 50%                              |
|                      | 2             |   | Practice in the Anatomy museum t for 1day/week for 12 week including writing reports on anatomical museum specimens                                 | 14.3%                            |
|                      | 1             |   | Formative assessment  | 7.1%                             |
| Student signature    |               |   | Principle coordinator Signature   | Head of the department signature |
|                      |               |   |   |                                  |



Year 4

(4 credit point for didactic)

| Name of the course   | Credit points        | Responsible department                  | Attendance   | Percentage of Achieved points |
|----------------------|----------------------|---|--|-------------------------------|
| Unit1: Basic Anatomy | 1                    | Human Anatomy and Embryology Department | 2.5 hours<br>-mouth cavity                         | 25%                           |
|                      | 0.25                 |   | 2.5 hours<br>-pharynx                              |                               |
|                      |                      |   | 2.5 hours<br>-larynx                               |                               |
|                      | 0.75                 |   | 2.5 hours<br>-anatomy of the ear and eye           |                               |
|                      |                      |   | 2.5 hours<br>-mediastinum                          |                               |
|                      | 0.5                  |   | 5 hours<br>-posterior abdominal wall and diaphragm |                               |
|                      |                      |   | 2.5 hours<br>-autonomic innervation of abdomen     |                               |
|                      | 0.75                 |   | 5 hours<br>-perineum                               |                               |
| 5 hours<br>-hand     |                      |   |  |                               |
| 0.5                  | 2.5 hours<br>-joints |   |  |                               |
|                      | 2.5 hours<br>-foot   |   |  |                               |
| 0.25                 | 2.5 hour<br>-joints  |   |  |                               |
|                      | Formative assessment |   |  |                               |
| Student signature    |                      | Principle coordinator signature         | Head of the department signature                   |                               |
|                      |                      |   |  |                               |

(15 credit point for training)



## Faculty of Medicine

| Clinical training    | Credit points | Responsible department                  | Attendance  | Percentage of Achieved points    |
|----------------------|---------------|---|---|----------------------------------|
| Unit1: Basic Anatomy | 4             | Human Anatomy and Embryology Department | -Attendance at anatomy museum for at least 2 days/week for 12 weeks<br>-Practice in the research laboratory including:<br>-examination of specimens | 26.7%                            |
|                      | 8             |   | Student teaching attendance of at least 3 sections /week for 40 weeks   | 53.4%                            |
|                      | 2             |   | Practice in the Anatomy museum for 1day/week for 12 week including writing reports on anatomical museum specimens                                   | 13.3%                            |
|                      | 1             |   | Formative assessment  | 6.6%                             |
| Student signature    |               |   | Principle coordinator Signature   | Head of the department signature |
|                      |               |   |   |                                  |

**(Lectures)**























# Unit 2 Advanced Neuroanatomy

## Credit points:

- 6 credit point for didactic (lectures, seminars, tutorial) and 20 point for training.
- Minimal rate of attendance 80% of training and didactic



## Year 2

(2 credit point for didactic)

| Name of the course            | Credit points | Responsible department                  | Attendance                                 | Percentage of Achieved points       |
|-------------------------------|---------------|---|--|-------------------------------------|
| Unit 2: Advanced Neuroanatomy | 0.5           | Human Anatomy and Embryology Department | 5 hours<br>-organization of nervous system | 25%                                 |
|                               | 0.5           |   | 5 hours<br>-spinal cord                    | 25%                                 |
|                               | 0.5           |   | 5 hours<br>-Brain stem                     | 25%                                 |
|                               | 0.5           |   | 5 hours<br>-Diencephalon                   | 25%                                 |
| Student signature             |               |   | Principle coordinator<br>Signature         | Head of the department<br>signature |
|                               |               |   |  |                                     |



**(6 credit point for training)**

| Clinical training             | Credit points | Responsible department                  | Attendance  | Percentage of Achieved points    |
|-------------------------------|---------------|---|---|----------------------------------|
| Unit 2: Advanced Neuroanatomy | 2             | Human Anatomy and Embryology Department | Attendance at neuroanatomy museum for at least 1 day /week for 12 weeks Including -examination of specimens                               | 33.3%                            |
|                               | 2             |   | Practice in at neuroanatomy museum for 1day/week for 12 week including writing reports on microanatomy museum specimens and plastinations | 33.3%                            |
|                               | 1.5           |   | Practice in at neuroanatomy museum for for 1day/week for 12 week including examination of neuroanatomy slides                             | 25%                              |
|                               | 0.5           |   | Formative assessment  | 8.4                              |
| Student signature             |               |   | Principle coordinator Signature   | Head of the department signature |
|                               |               |   |   |                                  |



## Year 3

(2 credit point for didactic)

| Name of the course            | Credit points | Responsible department                  | Attendance                      | Percentage of Achieved points    |
|-------------------------------|---------------|---|---------------------------------|----------------------------------|
| Unit 2: Advanced Neuroanatomy | 0.5           | Human Anatomy and Embryology Department | 5 hours<br>-cerebrum            | 25%                              |
|                               | 0.5           |   | 5 hours<br>-cortical areas      | 25%                              |
|                               | 0.5           |   | 5 hours<br>-basal ganglia       | 25%                              |
|                               | 0.5           |   | 5 hours<br>-cerebellum          | 25%                              |
| Student signature             |               |   | Principle coordinator Signature | Head of the department signature |
|                               |               |   |                                 |                                  |





(6 credit point for training)

| Clinical training             | Credit points | Responsible department                  | Attendance  | Percentage of Achieved points    |
|-------------------------------|---------------|---|---|----------------------------------|
| Unit 2: Advanced Neuroanatomy | 2             | Human Anatomy and Embryology Department | Attendance at neuroanatomy museum for at least 1 day /week for 12 weeks Including -examination of specimens                                   | 33.3%                            |
|                               | 2             |   | Practice in at neuroanatomy museum for for 1day/week for 12 week including writing reports on microanatomy museum specimens and plastinations | 33.3%                            |
|                               | 1.5           |   | Practice in at neuroanatomy museum for t for 1day/week for 12 week including examination of neuroanatomy slides                               | 25%                              |
|                               | 0.5           |   | Formative assessment  | 8.4%                             |
| Student signature             |               |   | Principle coordinator Signature   | Head of the department signature |
|                               |               |   |   |                                  |



## Year 4

(2 credit point for didactic)

| Name of the course            | Credit points | Responsible department                  | Attendance  | Percentage of Achieved points    |
|-------------------------------|---------------|---|---|----------------------------------|
| Unit 2: Advanced Neuroanatomy | 0.5           | Human Anatomy and Embryology Department | 5 hours<br>-cranial nerve nuclei                                    | 25%                              |
|                               | 0.5           |   | 5 hours<br>-white matter –limbic system                             | 25%                              |
|                               | 0.25          |   | 2.5 hours<br>-reticular formation                                   | 12.5%                            |
|                               | 0.25          |   | 2.5 hours<br>-autonomic nervous system                              | 12.5%                            |
|                               | 0.5           |   | Attendance of seminar 1/ month for 3 months<br>Seminar presentation | 25%                              |
| Student signature             |               |   | Principle coordinator<br>Signature                                  | Head of the department signature |
|                               |               |   |   |                                  |



**(8 credit point for training)**

| Clinical training             | Credit points | Responsible department                  | Attendance   | Percentage of Achieved points    |
|-------------------------------|---------------|---|--|----------------------------------|
| Unit 2: Advanced Neuroanatomy | 2             | Human Anatomy and Embryology Department | Attendance at neuroanatomy museum for at least 1 day /week for 12 weeks Including -examination of specimens  | 25%                              |
|                               | 2             |   | Practice in neuroanatomy museum for at least 1 / week for 12 week including the writing reports on neuroanatomy museum specimens and plastinations | 25%                              |
|                               | 3             |   | Practice in at neuroanatomy museum for 1 day/week for 18 week including examination of neuroanatomy slides   | 37.5%                            |
|                               | 1             |   | Formative assessment   | 12.5%                            |
| Student signature             |               |   | Principle coordinator Signature  | Head of the department signature |
|                               |               |   |  |                                  |







### Examination of Specimens log book

| NO. | Diagnosis of slide | Level of participation * | Location | Signature of supervisor |
|-----|--------------------|--------------------------|----------|-------------------------|
|     |                    |                          |          |                         |
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|     |                    |                          |          |                         |

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









# Unit 3 Advanced Embryology

Unit 3 Advanced Embryology

## Credit points:

- 6 credit point for didactic (lectures, seminars, tutorial)



## Year 2

(2 credit point for didactic)

| Name of the course            | Credit points | Responsible department                  | Attendance                               | Percentage of Achieved points       |
|-------------------------------|---------------|---|--|-------------------------------------|
| Unit3:<br>Advanced Embryology | 0.5           | Human Anatomy and Embryology Department | 5 hours<br>-fetal membranes and placenta | 25%                                 |
|                               | 0.5           |   | 5 hours<br>-fertilization                | 25%                                 |
|                               | 0.5           |   | 5 hours<br>Maturation of germ cells      | 25%                                 |
|                               | 0.5           |   | 5 hours<br>-abnormal development         | 25%                                 |
| Student signature             |               |   | Principle coordinator<br>Signature       | Head of the department<br>signature |
|                               |               |   |  |                                     |



(6 credit point for training)

| Clinical training          | Credit points | Responsible department                  | Attendance   | Percentage of Achieved points    |
|----------------------------|---------------|---|--|----------------------------------|
| Unit 3:Advanced Embryology | 2             | Human Anatomy and Embryology Department | Attendance at embryology museum for at least 1 day /week for 12 weeks Including -examination of specimens          | 33.3%                            |
|                            | 1             |   | Practice in embryology museum for 1 day /week for 6 weeks including writing reports on embryology museum specimens | 16.6%                            |
|                            | 2             |   | Examination of embryology slides   | 33.4%                            |
|                            | 1             |   | Formative assessment   | 16.7                             |
| Student signature          |               |   | Principle coordinator Signature  | Head of the department signature |
|                            |               |   |  |                                  |



## Year 3

(2 credit point for didactic)

| Name of the course            | Credit points | Responsible department                  | Attendance   | Percentage of Achieved points       |
|-------------------------------|---------------|---|--|-------------------------------------|
| Unit3:<br>Advanced Embryology | 0.5           | Human Anatomy and Embryology Department | 5 hours<br>Development of cardiovascular system    | 25%                                 |
|                               | 0.5           |   | 5 hours<br>-development of gastrointestinal system | 25%                                 |
|                               | 0.5           |   | 5 hours<br>-development of urinary system          | 25%                                 |
|                               | 0.5           |   | 5 hours<br>-development of genital system          | 25%                                 |
| Student signature             |               |   | Principle coordinator<br>Signature                 | Head of the department<br>signature |
|                               |               |   |  |                                     |



(6 credit point for training)

| Clinical training          | Credit points | Responsible department                  | Attendance   | Percentage of Achieved points    |
|----------------------------|---------------|---|--|----------------------------------|
| Unit 3:Advanced Embryology | 2             | Human Anatomy and Embryology Department | Attendance at embryology museum for at least 1 day /week for 12 weeks Including -examination of specimens          | 33.3%                            |
|                            | 1             |   | Practice in embryology museum for 1 day /week for 6 weeks including writing reports on embryology museum specimens | 16.6%                            |
|                            | 2             |   | Examination of embryology slides   | 33.4%                            |
|                            | 1             |   | Formative assessment   | 16.7                             |
| Student signature          |               |   | Principle coordinator Signature  | Head of the department signature |
|                            |               |   |  |                                  |



**Year 4**

**(2 credit point for 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<br>Development of respiratory system and body cavities | 25%                              |
|                            | 0.5           |   | 5 hours<br>-development of head and neck                       | 25%                              |
|                            | 0.5           |   | 5 hours<br>-development of integumentary system                | 25%                              |
|                            | 0.25          |   | 2.5 hours<br>-development of skeletal and muscular systems     | 12.5% %                          |
|                            | 0.25          |   | Formative assessment   | 12.5%                            |
| Student signature          |               |   | Principle coordinator Signature                                | Head of the department signature |
|                            |               |   |  |                                  |



(8 credit point for training)

| Clinical training          | Credit points | Responsible department                  | Attendance  | Percentage of Achieved points    |
|----------------------------|---------------|---|---|----------------------------------|
| Unit 3:Advanced Embryology | 2             | Human Anatomy and Embryology Department | Attendance at embryology museum for at least 1 day /week for 12 weeks Including -examination of specimens           | 25%                              |
|                            | 2             |   | Practice in embryology museum for 1 day /week for 12 weeks including writing reports on embryology museum specimens | 25%                              |
|                            | 3             |   | Practice in embryology museum for 1 day /week for 18 weeks including examination of embryology slides               | 37.5%                            |
|                            | 1             |   | Formative assessment  | 12.5%                            |
| Student signature          |               |   | Principle coordinator Signature   | Head of the department signature |
|                            |               |   |   |                                  |















**Seminars presentation**

| Date | Topic | Signature |
|------|-------|-----------|
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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) | <br>(2) (3) |  | <br>(4) (5) |  | <br>(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.   |                     |                      |  |  |  |  |  |                    |



## Faculty of Medicine

| 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"> <li>• <u>Present</u> a case.</li> <li>• <u>Write</u> a consultation note.</li> <li>• <u>Inform patients</u> of a diagnosis and therapeutic plan Completing and maintaining comprehensive.</li> <li>• Timely and legible <u>medical records</u>.</li> <li>• Teamwork skills.</li> </ul> |                     |                      |          |  |          |  |     |                    |



## 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.  |                     |                      |         |  |         |  |     |                    |





| 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







# 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













## الرسائل العلمية

### عنوان الرسالة

عربي: \_\_\_\_\_

انجليزي: \_\_\_\_\_

المشرفون: \_\_\_\_\_

1- \_\_\_\_\_

2- \_\_\_\_\_

3- \_\_\_\_\_

4- \_\_\_\_\_

تاريخ القيد لدرجة: / / \_\_\_\_\_

تاريخ التسجيل الموضوع: \_\_\_\_\_

المتابعة الدورية: \_\_\_\_\_

| التاريخ | ما تم انجازه<br>من بروتوكول البحث | المتبقي | توقيع المشرفين |
|---------|-----------------------------------|---------|----------------|
|         |                                   |         |                |
|         |                                   |         |                |
|         |                                   |         |                |



## Declaration

| Course Structure Mirror  | Responsible<br>(Course)<br>Coordinator<br>Name: | Signature | Date |
|--|---|-----------|------|
| <b>First Part</b>  |   |           |      |
| -Course 1  |   |           |      |
| -Course 2  |   |           |      |
| -Course 3  |   |           |      |
| Course 4   |   |           |      |
| <b>Second Part</b>   |   |           |      |
| Course 5   |   |           |      |
| - Elective Course 1: Certificate (s)<br>Dates:                                   |   |           |      |
| - Elective Course 2: Certificate (s)<br>Dates:                                   |   |           |      |
| - M. D. Thesis Acceptance Date:  |   |           |      |
| - Fulfillment of required contact<br>Credit points prior to final<br>examination |   |           |      |
| Human Anatomy and<br>Embryology M.D. Degree<br>Principle Coordinator:            |   |           |      |
| Date approved by Human<br>Anatomy and Embryology<br>Department Council:          |   |           |      |

يعتمد ،  
رئيس القسم

أ.د.