

المركز الوطني لضمان جودة واعتماد  
المؤسسات التعليمية والتدريبية



المتطلبات الأكاديمية للمقرر الدراسي

اسم المؤسسة التعليمية: Faculty of Medicine ElMarj

اسم البرنامج التعليمي: Bachelor of Medicine and Surgery (MBBS)

اسم المقرر: علم الانسجة 1

رمز المقرر: 1102

العام الدراسي 1<sup>st</sup> year

## المتطلبات الأكاديمية للمقرر الدراسي

### ١. معلومات عامة:

|                                       |                                       |   |
|---------------------------------------|---------------------------------------|---|
| Medical histology I                   | اسم المقرر الدراسي                    | ١ |
| Dr. Mustafa El Taib                   | منسق المقرر                           | ٢ |
| Department of Anatomy and Histology   | القسم / الشعبة التي تقدم البرنامج     | ٣ |
| Bachelor of Medicine & Surgery (MBBS) | الأقسام العلمية ذات العلاقة بالبرنامج | ٤ |
| 100                                   | الساعات الدراسية للمقرر               | ٥ |
| English                               | اللغة المستخدمة في العملية التعليمية  | ٦ |
| 1 <sup>st</sup>                       | السنة الدراسية/ الفصل الدراسي         | ٧ |
| 2024- مجلس الكلية                     | تاريخ وجهة اعتماد المقرر              | ٨ |

١,١ عدد الساعات الأسبوعية:

محاضرات ٢ معام ١ تدريب ١ المجموع ٤

### ٢- أهداف المقرر:

1. To enable the medical student understanding the cellular level structure in relation to function of the cell.
2. To enable the medical student overviewing the relationship, organization and ways of interaction of cells of the same type or different types.
3. To provide the medical student with sufficient knowledge and comprehension about diversity of cells and types of tissues.
4. To overview techniques used in investigating cellular and tissue morphology.
5. To raise the ethical sense of dealing with human tissue and respect of the life within the medical student.
6. To orient the medical student to the importance of communication skills.

### ٣-مخرجات التعلم المستهدفة: أ.المعرفة والفهم.

|                                                                                                                              |    |
|------------------------------------------------------------------------------------------------------------------------------|----|
| A.1. Describe the normal morphology of human body cells in relation to key functions and interactions at the cellular level. | 1أ |
| A.2. Outline the basic morphology of epithelium, connective tissue, cartilage, bone, cartilage, muscles and nervous tissue.  | 2أ |
| A.3. Illustrate the basis of cytogenetic and chromosomal aberrations.                                                        | 3أ |
| A.4. Recognize the tissue level structure of circulatory system,blood,the hematopoiesis and their microscopic structure      | 4أ |

### ب-المهارات الذهنية:

|                                                                                                            |    |
|------------------------------------------------------------------------------------------------------------|----|
| Relate histological structure to function of                                                               | 1ب |
| different organs of studied systems                                                                        | 2ب |
| Integrate knowledge of histology with gross anatomy and physiology of major tissue types.                  | 3ب |
| Correlate the micro structure of major tissue types with their related medical application.                | 4ب |
| Differentiate between normal and abnormal karyotyping. 3.2.5.Select appropriate methods to reveal specific | 5ب |

### ج-المهارات العلمية والمهنية:

|                                                                                                   |    |
|---------------------------------------------------------------------------------------------------|----|
| Use the light microscope correctly including how to handle the slides and examine them .          | 1ج |
| Recognize various types of stain and their uses                                                   | 2ج |
| Differentiate between types of cells and tissues (studied in this course) in histological slides. | 3ج |
| Identify different blood cells in blood films                                                     | 4ج |

### د-المهارات العامة:

|                                                                                                         |    |
|---------------------------------------------------------------------------------------------------------|----|
| Adopt principles of a lifelong learning with a strong commitment to it.                                 | 1د |
| Adhere to reliability in fulfilling responsibilities.                                                   | 2د |
| Express him/herself adequately by having good presentation& communication skills.                       | 3د |
| Communicate effectively with their colleagues and teachers.                                             | 4د |
| Manage him/her time effectively                                                                         | 5د |
| Use the sources of biomedical information to remain current with the advances in knowledge and practice |    |

#### 4-محتوى المقرر:

| Week    | Topic                                         | Total | Lectures | Practicals | Tutorials |
|---------|-----------------------------------------------|-------|----------|------------|-----------|
| Week 1  | Cellular morphology                           | 4     | 2        | 1          | 1         |
| Week 2  | Cellular functional morphology                | 4     | 2        | 1          | 1         |
| Week 3  | Cytogenetics                                  | 4     | 2        | 1          | 1         |
| Week 4  | Cell cycle and cellular differentiation       | 4     | 2        | 1          | 1         |
| Week 5  | Cell injury and damage                        | 4     | 2        | 1          | 1         |
| Week 6  | Cell to cell communication                    | 4     | 2        | 1          | 1         |
| Week 7  | Cell to cell junctions                        | 4     | 2        | 1          | 1         |
| Week 8  | Techniques in histology I                     | 4     | 2        | 1          | 1         |
| Week 9  | Techniques in histology II                    | 4     | 2        | 1          | 1         |
| Week 10 | Epithelial tissue – skin and mucous membranes | 4     | 2        | 1          | 1         |
| Week 11 | Epithelial tissue – specialized               | 4     | 2        | 1          | 1         |
| Week 12 | Nervous tissue organization                   | 4     | 2        | 1          | 1         |
| Week 13 | Nervous tissue – specialized                  | 4     | 2        | 1          | 1         |
| Week 14 | Skeletal muscle tissue                        | 4     | 2        | 1          | 1         |
| Week 15 | Cardiac muscle tissue                         | 4     | 2        | 1          | 1         |
| Week 16 | Smooth muscle tissue                          | 4     | 2        | 1          | 1         |
| Week 17 | Connective tissue proper                      | 4     | 2        | 1          | 1         |
| Week 18 | Mucoid and adipose tissue                     | 4     | 2        | 1          | 1         |
| Week 19 | Blood components                              | 4     | 2        | 1          | 1         |
| Week 20 | Bone marrow and hematopoiesis                 | 4     | 2        | 1          | 1         |
| Week 21 | Lymphoid tissue                               | 4     | 2        | 1          | 1         |
| Week 22 | Reticulo-endothelial system and immune system | 4     | 2        | 1          | 1         |
| Week 23 | Vascular tissue                               | 4     | 2        | 1          | 1         |
| Week 24 | Bone                                          | 4     | 2        | 1          | 1         |
| Week 25 | Cartilage                                     | 4     | 2        | 1          | 1         |

## 5- طرق التعليم والتعلم:

١. الدروس النظرية (المحاضرات).
٢. الدروس العملية.
٣. حلقات النقاش (Tutorials)
٤. محاضرات الكترونية.

## 6- طرق التقييم:

| ت | طرق التقييم  | تاريخ التقييم | النسبة المئوية | ملاحظات |
|---|--------------|---------------|----------------|---------|
| ١ | امتحان نصفي  | الاسبوع ١٢    | ٣٠٪            |         |
| ٢ | امتحان شفهي  | نهاية السنة   | ١٠٪            |         |
| ٣ | امتحان عملي  | نهاية السنة   | ١٥٪            |         |
| ٤ | امتحان نهائي | نهاية السنة   | ٥٠٪            |         |
| ٥ | النشاط       | نصف السنة     | ٥٪             |         |
|   | المجموع      |               | 100%           |         |

## 7- المراجع والدوريات:

| مكان تواجدها | Authors         | Edition   | Publisher                     | Book            |
|--------------|-----------------|-----------|-------------------------------|-----------------|
| Library      | Junqueira et al | 11th 2005 | McGraw-Hill Medical           | Basic Histology |
| Library      | Ross et al      | 6th 2010  | Lippincott Williams & Wilkins | Histology;      |

## 8- الإمكانيات المطلوبة لتنفيذ المقرر:

| ت | الإمكانيات المطلوب توفرها | ملاحظات |
|---|---------------------------|---------|
| 1 | القاعات الدراسية المجهزة  |         |
| 2 | معمل متكامل               |         |
| 3 | مكتبة                     |         |
| 4 | أجهزة حاسوب + إنترنت      |         |

منسق المقرر د. مصطفى الطيب ..... التوقيع

منسق البرنامج د. وائل اسماعيل... ..... التوقيع

التاريخ...../...../.....م

## مصفوفة المقرر الدراسي ( histology 1 )

| المهارات        |     |     |     |     |     |                           |     |     |     |                  |     |     |     | المعرفة والفهم |     |     |     | الأسبوع الدراسي |   |    |
|-----------------|-----|-----|-----|-----|-----|---------------------------|-----|-----|-----|------------------|-----|-----|-----|----------------|-----|-----|-----|-----------------|---|----|
| المهارات العامة |     |     |     |     |     | المهارات العلمية والمهنية |     |     |     | المهارات الذهنية |     |     |     |                |     |     |     |                 |   |    |
| ١.د             | ٢.د | ٣.د | ٤.د | ٥.د | ٦.د | ١.ج                       | ٢.ج | ٣.ج | ٤.ج | ١.ب              | ٢.ب | ٣.ب | ٤.ب | ٥.ب            | ١.أ | ٢.أ | ٣.أ | ٤.أ             |   |    |
| X               | X   | X   | X   | X   | X   |                           |     |     |     |                  |     |     |     |                |     |     |     |                 | X | ١  |
| X               | X   | X   | X   | X   | X   |                           |     |     |     |                  |     |     |     |                |     |     |     |                 | X | ٢  |
| X               | X   | X   | X   | X   | X   |                           |     |     |     |                  |     |     | X   |                |     |     | X   |                 | X | ٣  |
| X               | X   | X   | X   | X   | X   |                           |     |     |     |                  |     |     | X   |                |     |     | X   |                 | X | ٤  |
| X               | X   | X   | X   | X   | X   |                           |     |     |     |                  |     |     |     |                |     |     |     |                 | X | ٥  |
| X               | X   | X   | X   | X   | X   |                           |     |     |     |                  |     |     |     |                |     |     |     |                 | X | ٦  |
| X               | X   | X   | X   | X   | X   |                           |     |     |     |                  |     |     |     |                |     |     |     |                 | X | ٧  |
| X               | X   | X   | X   | X   | X   |                           |     | X   | X   | X                |     |     |     |                |     |     |     |                 |   | ٨  |
| X               | X   | X   | X   | X   | X   |                           |     | X   | X   | X                |     |     |     |                |     |     |     |                 |   | ٩  |
| X               | X   | X   | X   | X   | X   |                           |     | X   |     |                  |     | X   | X   | X              |     |     | X   |                 |   | ١٠ |
| X               | X   | X   | X   | X   | X   |                           |     | X   |     |                  |     | X   | X   | X              |     |     | X   |                 |   | ١١ |
| X               | X   | X   | X   | X   | X   |                           |     | X   |     |                  |     | X   | X   | X              |     |     | X   |                 |   | ١٢ |
| X               | X   | X   | X   | X   | X   |                           |     | X   |     |                  |     | X   | X   | X              |     |     | X   |                 |   | ١٣ |
| X               | X   | X   | X   | X   | X   |                           |     | X   |     |                  |     | X   | X   | X              |     |     | X   |                 |   | ١٤ |
| X               | X   | X   | X   | X   | X   |                           |     | X   |     |                  |     | X   | X   | X              |     |     | X   |                 |   | 15 |
| X               | X   | X   | X   | X   | X   |                           |     | X   |     |                  |     | X   | X   | X              |     |     | X   |                 |   | 16 |
| X               | X   | X   | X   | X   | X   |                           |     | X   |     |                  |     | X   | X   | X              |     |     | X   |                 |   | 17 |
| X               | X   | X   | X   | X   | X   |                           |     | X   |     |                  |     | X   | X   | X              |     |     | X   |                 |   | 18 |
| X               | X   | X   | X   | X   | X   | X                         | X   |     |     |                  |     | X   | X   | X              | X   |     |     |                 |   | 19 |
| X               | X   | X   | X   | X   | X   | X                         | X   |     |     |                  |     | X   | X   | X              | X   |     |     |                 |   | 20 |
| X               | X   | X   | X   | X   | X   |                           |     | X   |     |                  |     | X   | X   | X              | X   |     |     |                 |   | 21 |
| X               | X   | X   | X   | X   | X   |                           |     | X   |     |                  |     | X   | X   | X              | X   |     |     |                 |   | 22 |
| X               | X   | X   | X   | X   | X   |                           |     | X   |     |                  |     | X   | X   | X              | X   |     |     |                 |   | 23 |
| X               | X   | X   | X   | X   | X   |                           |     | X   |     |                  |     | X   | X   | X              |     |     | X   |                 |   | 24 |
| X               | X   | X   | X   | X   | X   |                           |     | X   |     |                  |     | X   | X   | X              |     |     | X   |                 |   | 25 |

النموذج ط.ا.ب (٠١١) | تاريخ الاصدار : ٠١ / ٠١ / ٢٠٠٩ م | تعديل رقم ( ٢ ) | تاريخ التحديث ٠٨ / ٠٨ / ٢٠٢٣ م