Course plan

Year: 1404	**Semester:** ☐ First, ■ Second, ☐ Summer	**Number of students:11**
Major: Medical Students – First Year	■ Basic sciences, ☐ Physiopathology	**Department:** Anatomical sciences
Course Title: Anatomical Sciences of the Endocrine Glands	■ Theoretical, ■ Practical	**Credit:** Lecture: 0.24 credit hours (4 hours) Practical: 0.18 credit hours (6 hours) **Code N.:** 213,214
Prerequisite: Introduction to Anatomical Sciences	**Day & Time:** Lecture: Saturday ١٠-١٢ Practical: Sunday 8-10	**Course type:**
Instructor: Dr Maryam Anjomshoa	**Office address:** Room 22	**Tel:** 09131062131
Email: Anjomshoa.m@gmail.com	**Response Hours and Days: Wednesday 10-12**	**Student representative name and mobile number:**

Main objective: To teach students the principles, concepts, and foundational knowledge of the macroscopic and microscopic structure, as well as the embryonic development, of the endocrine glands and skin.

On completion of this course, the student will be able to:

١. Describe the anatomical and clinical structures of the hypothalamus, pituitary, adrenal glands, pancreas, thyroid, and parathyroid glands.
٢. Identify the anatomical location of the above endocrine glands.
٣. Recognize the microscopic structure and histology of the hypothalamus, pituitary, adrenal glands, pancreas, thyroid, and parathyroid glands.
٤. Explain the embryological development of these endocrine glands.
٥. Understand the histological and microscopic structure of the skin and its appendages (hair, sweat glands, sebaceous glands, nails)
٦. Identify the embryological development of the skin and related congenital anomalies

References (Text books):

Anatomy:

1.Gray's Anatomy for Students – Latest Edition, Head and Neck section
2.Snell's Clinical Anatomy – Latest Edition
3.Anatomy Atlases: Netter, Sobotta

Histology:

1.Junqueira's Basic Histology: Text and Atlas, 17th Edition,2024
2. Color Atlas of Histology" by Alex Stone, 5th Edition, 2020.
3.Wheater's Functional Histology: A Text and Colour Atlas – Barbara Young, Last Edition

Embryology:

1.langman's medical embryology 16th edition. by Thomas Sadler,2024
2.The Developing Human by Keith Moore, last Edition.

Student evaluation and the value related to each evaluation:
(The assessment tools that will be used to test student ability to understand the course material and gain the skills and competencies stated in learning outcomes)
Theory:

ASSESSMENT TOOLS	From
Assignments	1
Quiz	1
Presence in online courses	-
Midterm Exam	-
Final Exam (Written exam)	18
TOTAL MARKS	**20**

Practical:

ASSESSMENT TOOLS	From
Assignments	1
Quiz	1
Presence in online courses	-
Midterm Exam	-
Final Exam (Written exam)	18
TOTAL MARKS	**20**

Students responsibilities:

1. Be on time for class. 2. Actively participate in class discussions. 3. Be prepared for Q&A after each session. 4. Prepare the necessary textbooks. 5. Keep mobile phones off during class

Discipline and educational rules:

Course: Introduction to Anatomical Sciences

- Attendance in **both theoretical and practical** sessions is mandatory.
- More than **2 unexcused absences** from practical sessions may result in removal from the course.
- Arriving more than **15 minutes late** will be marked as absent.
- Students are expected to maintain **silence and order** during sessions.
- Attendance in **midterm and final exams** is compulsory.
- Absence from exams will result in a **score of zero**.
- Students must maintain **appropriate dress code and professional behavior** in all educational settings

Mid exam date: - **Final exam date: As university schedule**

Row	date	Time	Topic	Professor	References	Chapter	Pages
1	14.4.2.6	2	Histological structure of skin and appendages (hair, nails, sebaceous & sweat glands)	Dr.Maryam Anjomshoa	.Junqueira's Basic Histology		
2	1404.2.13	2	Embryonic development of the skin and congenital anomalies	Dr.Maryam Anjomshoa	langman's medical embryology		

1-practical	1404.2.14	2	Study of histological slides of skin and appendages	Dr.Maryam Anjomshoa	Junqueira's Basic Histology - Wheater's Functional Histology		
3	1404.2.20	2	Histology of hypothalamus, pituitary, adrenal glands, pancreas, thyroid, and parathyroid	Dr.Maryam Anjomshoa	Junqueira's Basic Histology		
2.Practical	1404.2.21	2	Histological slides of endocrine glands	Dr.Maryam Anjomshoa	Junqueira's Basic Histology - Wheater's Functional Histology		
4	1404.2.27	2	Embryological development of endocrine glands	Dr.Maryam Anjomshoa	langman's medical embryology		
5	1404.2.28	2	Anatomical overview of endocrine glands	Dr.Maryam Anjomshoa	Gray's Anatomy for Students – Snell's Clinical Anatomy		
3.Practical	14.4.3.3	2	Cadaveric and model-based anatomical study of adrenal, thyroid, parathyroid, hypothalamus, pituitary, and pancreas	Dr.Maryam Anjomshoa	Gray's Anatomy for Students – Snell's Clinical Anatomy- Anatomy Atlases: Netter, Sobotta		