



Course Syllabus

1	Course title	Neuroanatomy for dental student
2	Course number	0552222
3	Credit hours (theory, practical)	2 (theory)
	Contact hours (theory, practical)	(2, 0)
4	Prerequisites	Biology 0304102
5	Program title	DDS
6	Program code	013
7	Awarding institution	The University Of Jordan
8	School	School of Medicine
9	Department	Anatomy and Histology
10	Course level	2nd year
11	Year of study and semester(s)	2022/2023 second semester
12	Other department(s) involved in teaching the course	None
13	Main teaching language	English
14	Delivery method	◆ <input type="checkbox"/> Face to face learning <input type="checkbox"/> Blended <input type="checkbox"/> Fully online
15	Online platforms(s)	◆ <input type="checkbox"/> Moodle ◆ <input type="checkbox"/> Microsoft Teams <input type="checkbox"/> Skype <input type="checkbox"/> Zoom <input type="checkbox"/> Others.....
16	Issuing/Revision Date	19/2/2023

17. Course Coordinator:

Prof. Mohammad Alsalem
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Office NO. 38
Email: m_alsalem@ju.edu.jo

18. Other instructors:

None



19. Course Description:

This course emphasizes basic Neuroanatomical structures and facts that are of clinical importance necessary for the practice of dental profession.

20. Course aims and outcomes:

By the end of this course

1- Students should be able to have a thorough knowledge of the vital anatomical structures in this region relevant to their future profession

2- Students should be able to interpret the many symptoms and signs presented by a neurological patient and may confidently make a diagnosis, and prophesy appropriate treatment

21. Topic Outline and Schedule:

Week	Topic	Student Learning Outcome	Resources
1	Introduction to Neuroanatomy	<ul style="list-style-type: none"> Describe the organization and basic functions of the nervous system (Central and Peripheral Nervous Systems – CNS & PNS). Distinguish between nuclei and ganglia, nerves and tracts, gray matter and white matter. 	
2	Ascending and Descending Tracts	<ul style="list-style-type: none"> Briefly describe the anatomical organization of the Ascending and Descending tracts. Understand the functions of ascending tracts in pain, temperature, touch and pressure sensation. 	
3	Brainstem (I)	<ul style="list-style-type: none"> Identify and describe the parts of the brainstem. Define the general external features for each part of the brainstem. 	
4	Brainstem (II)	<ul style="list-style-type: none"> Recognize the important internal structures of each part and describe their functions.. 	
5	Cranial Nerves (I)	<ul style="list-style-type: none"> Identify the name and number of the first (6) Cranial Nerves. 	
6	Cranial Nerves (II)	<ul style="list-style-type: none"> Identify name and number of the last (6) Cranial Nerves. 	
7	Cranial Nerves Injury (I)	<ul style="list-style-type: none"> Define the major clinical manifestations of each cranial nerve injury. 	
8	Cerebellum	<ul style="list-style-type: none"> Identify and describe the parts of the cerebellum. Describe the internal structure of the cerebellum, taking notice of the afferent and efferent fibers. 	
9	Basal ganglia	<ul style="list-style-type: none"> Identify parts of the Basal Ganglia (Corpus Striatum, Amygdalid nucleus and the claustrum.) 	
10	Cerebrum	<ul style="list-style-type: none"> Differentiate the subdivisions of the cerebrum (Diencephalon, Telencephalon, and cerebral hemispheres). Describe general external features of cerebral hemispheres (Lobes, sulci and gyri). 	

11	Reticular Formation Limbic System	<ul style="list-style-type: none"> Describe the general arrangement, afferent and efferent projections and function of the Reticular Formation. Briefly describe the structure of the Limbic System (Hippocampal formation, Amygdaloid Nucleus and the connecting pathways of the system). 	
12	Thalamus and Hypothalamus	<ul style="list-style-type: none"> Distinguish the general appearance of the Thalamus, its subdivisions, connections and function. 	
13	Ventricular system Blood supply of brain and spinal cord Meninges	<ul style="list-style-type: none"> Describe the ventricular system of the brain, its communications. Understand the formation, function and direction of flow of the Cerebrospinal Fluid (CSF). List the main arteries and veins that supply and drain the brain and spinal. Distinguish the three meningeal coverings that surround the brain and spinal cord (Dura, Arachnoid and Pia maters). 	
14	Autonomic Nervous System (ANS) Spinal Cord	<ul style="list-style-type: none"> Understand the organization of ANS (Sympathetic and Parasympathetic Nervous Systems). Distinguish the gross appearance and structure (Gray and White matters) of the spinal cord. 	

21. Teaching Methods and Assignments:

Development of ILOs is promoted through the following teaching and learning methods:

- Lectures
- Online resources
- E-learning

22. Evaluation Methods and Course Requirements:

Midterm Exam: 40%
Final Exam: 60%

23. Course Policies:***A-Attendance policies:***

Students are expected to attend all class sessions as listed on the course calendar. Students are not **allowed** to be **absent** for more than **15%** of the credit hours of the course. All students are required to wear a lab coat during the laboratory session.

B- Absences from exams and handing in assignments on time:

Make-up appeals are considered only for students who provide documentation of a compelling reason for missing the exam.

C- Health and safety procedures:

college Members and students must at all times, conform to Health and Safety rules and procedures.

D- Honesty policy regarding cheating, plagiarism, misbehavior:

As a student in this course (and at this university) you are expected to maintain high degrees of professionalism, commitment to active learning and participation in this class and also integrity in your behavior in and out of the classroom. Students violate this policy would be subjected to disciplinary action according to University of Jordan disciplinary policies

E- Grading policy:

Grade-point average according to grading policy at University of Jordan

F- Available university services that support achievement in the course:

Internet database at the University of Jordan
The University of Jordan library

24. Required equipment:**25. References:**

Required book (s), assigned reading and audio-visuals:

- **Neuroanatomy. By R. Snell**

Recommended books, materials, and media:

- **Gray's neuroanatomy for students**
- **Grant's atlas of anatomy**

26. Additional information:

Name of Course Coordinator: Prof. Mohammad Alsalem Signature: ----- Date: -----

Head of curriculum committee/Department: -----  Signature: -----

Head of Department: Prof. Mohammad Alsalem Signature: -----

Head of curriculum committee/Faculty: ----- Signature: -----

Dean: ----- Signature: -----

