

5.00 credits

45.0 h

Q2

Teacher(s)	Liberati Giulia ;Nozaradan Sylvie (coordinator) ;
Language :	French
Place of the course	Bruxelles Woluwe
Main themes	The aim of the Neuroscience course is to provide the dental students with a sound understanding of the developmental, structural and functional neuroanatomy, together with the neurophysiological bases, necessary to progress in their curriculum, to develop good practical skills and to adapt to the rapidly changing scientific knowledge.
Learning outcomes	<p><b>At the end of this learning unit, the student is able to :</b></p> <p>The ultimate objectives and goals of the Neuroscience course are to provide an interdisciplinary approach to the understanding of the central nervous system. This course consists of 45 hours of lecture and 30 hours of laboratory sessions. In particular, the course presents knowledge in neuroanatomy and neurophysiology in the specific context of oral bioscience. At the end of this course, the students should be able:</p> <p>1 - to describe the main structures of the central nervous system, together with their topographical relationships, the cranial nerves, the autonomic system and the five sensory organs, - to be familiar with the neurophysiological basis of the sensory, motor and higher functions in humans, - to demonstrate a comprehensive knowledge of the pathologic consequences that result from nervous system structural damages.</p>
Content	Neurophysiology covers the various methods used in neuroscience, sensory systems, and the motor system. Anatomical structures and physiological mechanisms are described in integration with neurophysiology.
Bibliography	<b>Supports</b> : Traité de référence, syllabus auquel l'étudiant joint les schémas qu'il dessine au cours, feuillets de neuroanatomie (schémas des coupes de l'encéphale intégrés aux présentations PowerPoint, légendes des schémas les plus complexes réalisés au cours, instructions pour les travaux pratiques et les examens), documents PowerPoint dont une partie disponible sur iCampus.
Faculty or entity in charge	MDEN

<b>Programmes containing this learning unit (UE)</b>				
Program title	Acronym	Credits	Prerequisite	Learning outcomes
Bachelor in Dentistry	DENT1BA	5		