

# DENTAL BIOMEDICAL SCIENCES (DEBS)

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**DEBS 501. Dental Gross Anatomy. 6.5 Hours.**

Semester course; 4 lecture and 3 laboratory hours. 6.5 credits. A systematic dissection and study of the human body with clinical correlation and emphasis on the head and neck.

**DEBS 502. Dental Neuroanatomy. 1 Hour.**

Semester course; 1 lecture hour. 1 credit. Through this course, students will develop broad-level knowledge of neuroanatomical structures and principles and the role of the nervous system. Dental clinical correlations will be used to illustrate the future clinical necessity for and application of this scientific background.

**DEBS 503. Infection and Immunology. 3.5 Hours.**

Semester course; 3.5 lecture hours. 3.5 credits. Enrollment restricted to dental students in the first professional year; others admitted with permission of instructor. A course on the fundamentals of microbiology and immunology with aspects on disease and treatment of interest to dentistry.

**DEBS 511. Microscopic Anatomy. 5 Hours.**

Semester course; 2.5 lecture and 5.5 laboratory hours. 5 credits. A study of the normal tissues and organs of the human body at the microscopic level, with emphasis on the histological organization and development of the oral cavity.

**DEBS 512. Physiology and Pathophysiology. 5 Hours.**

Semester course; 5 lecture hours. 5 credits. A comprehensive study of the function of mammalian organ systems, designed primarily for dental students.

**DEBS 513. Dental General Pathology. 6 Hours.**

Semester course; 3 lecture and 6 laboratory hours. 6 credits. Instruction in the basic principles regarding alteration of structure and function in disease and in the pathogenesis and effect of disease in the various organ systems.

**DEBS 601. Dental Pharmacology and Pain Control I. 4 Hours.**

Yearlong course; 4 lecture hours. 4 credits. This course covers the study of the effects of chemical agents on the structure and function of living tissues, which may be normal or pathological. Provides a basic understanding of pharmacological principles and the basic concepts of currently accepted theories of pain mechanisms and provides a scientific basis for the use of therapeutic agents in order that the future dentist will be able to safely administer drugs to control pain by parenteral, oral or inhalation routes. Students receive CO grading in the fall and letter grade and earned credit in the spring.

**DEBS 701. Dental Pharmacology and Pain Control II. 2 Hours.**

Semester course; 2 lecture hours. 2 credits. Prerequisite: DEBS 601. The study of the effects of chemical agents on the structure and/or function of living tissues, which may be normal or pathological. Provides a basic understanding of pharmacological principles and the basic concepts of currently accepted theories of pain mechanisms and provides a scientific basis for the use of therapeutic agents in order that the future dentist will be able to safely administer drugs to control pain by parenteral, oral or inhalation routes.