

BASIC SCIENCE (DSBS)

DSBS 5500 - Embryology and Craniofacial Biology (0.1-5 Credits)
Deals with the chemical basis of biological organization and function. Emphasis is given to topics most directly relevant to oral health and disease.

Grading Basis: Letter Grade with IP
Typically Offered: Fall.

DSBS 5502 - Microanatomy (0.1-5 Credits)
This course will cover initially the structure and function of cells and tissues and progress to study the normal structural features of the organs of the body, as the basis for understanding pathologic conditions and disturbances of function.

Grading Basis: Letter Grade with IP
Typically Offered: Fall.

DSBS 5504 - Human Anatomy (0.1-10 Credits)
This course covers the anatomy of major body systems with emphasis on head and neck structures.

Grading Basis: Letter Grade with IP
Typically Offered: Fall.

DSBS 5506 - Oral Histology (0.1-5 Credits)
This course will cover the details of tooth development and the histological features of the oral tissues, to include: salivary glands, oral epithelia, oral lymphatic tissue, enamel, dentin, cementum, oral bone and the periodontal ligament. Requirement: Department Consent

Grading Basis: Letter Grade with IP
Typically Offered: Fall.

DSBS 5507 - Molecular Biosciences (0.1-5 Credits)
This course provides in-depth consideration of the biochemical, molecular biology and genetic mechanisms that control protein synthesis, gene expression and cellular function.

Grading Basis: Letter Grade with IP
Typically Offered: Fall.

DSBS 5508 - Physiology (0.1-5 Credits)
Deals with fundamentals of human physiology from basic cellular processes, such as membrane transport, to the organization and control of organ systems.

Grading Basis: Letter Grade with IP
Typically Offered: Spring.

DSBS 5511 - Invaders and Protectors (0.1-5 Credits)
This course covers basic principles of general and medical microbiology with emphasis on oral microorganisms while integrating the response of the immune system to fight these invaders.

Grading Basis: Letter Grade with IP
Typically Offered: Spring.

DSBS 5516 - Pathology (0.1-5 Credits)
This course assists the student in learning the etiology, pathogenesis, and the changes in structure and function of specific disease entities on selected organ systems and how these changes relate to the practice of dentistry.

Grading Basis: Letter Grade with IP
Typically Offered: Summer.

DSBS 6600 - Fundamentals of Pharmacology (0.1-10 Credits)
Part one of a two-course sequence. Intensive study of drugs used in dental practice with emphasis on the basic principles of drug action.

Lectures and clinical correlations are employed.
Grading Basis: Letter Grade with IP
Typically Offered: Fall.

DSBS 6603 - Applied Clinical Pharmacology (0.5-10 Credits)
Part two of a two-course sequence. Intensive study of drugs used in dental practice with emphasis on the basic principles of drug action. Lectures and clinical correlations are employed.

Grading Basis: Letter Grade with IP
Typically Offered: Spring.

DSBS 6604 - Advanced Head and Neck Anatomy (0.1-5 Credits)
This course will review concepts initially introduced in DSBS 5504 Human Anatomy (DS1 Fall) and provide more detail through dissections of cadavers with a focus on the anatomy of the head and neck.

Grading Basis: Letter Grade with IP
Repeatable. Max Credits: 5.
Typically Offered: Fall.