

BASIC SCIENCES (BAS01-DN)

BAS01-DN 1511 Embryology (1 Credit)

The Embryology course begins with a discussion of general concepts in human embryology and culminates with in-depth discussions of both prenatal and postnatal craniofacial development. Emphasis is placed upon the oral health implications of concepts in human developmental biology. The course is organized into three units: 1. General Embryology; 2. Prenatal Craniofacial Development; 3. Postnatal Craniofacial Growth and Development. This course is open only to students in the Doctor of Dental Surgery program. Core curriculum.

Grading: Dental Graded

Repeatable for additional credit: No

BAS01-DN 1610 Principles of Pharmacology (1 Credit)

The Principles of Pharmacology course provides a basic understanding of drug administration, pharmacokinetics, pharmacodynamics, drug interactions and adverse drug reactions. This course is open only to students in the Doctor of Dental Surgery program. Core curriculum.

Grading: Dental Graded

Repeatable for additional credit: No

BAS01-DN 1614 Microbiology and Infectious Diseases (4 Credits)

This course serves as an introduction to the microbial organisms that cause most of the infections in man: bacteria, viruses, and fungi, with an emphasis on bacteria. Students will learn the principles of the infectious disease process with respect to the properties of infectious agents, modes of transmission, manifestations of infections and their prevention and treatment. Students will identify not only infectious diseases of the oral cavity but oral and systemic manifestations of other infectious diseases as well. This course will further describe the virulence factors of microbial agents that enable them to cause disease in humans.

The course covers the major infectious diseases in humans, including the methods used for their identification in the clinical lab. Modes of transmission are described, as well as treatments and prevention. A brief overview serves to introduce the student to selected infectious diseases of protozoa. This course is open only to students in the Doctor of Dental Surgery program. Core curriculum.

Grading: Dental Graded

Repeatable for additional credit: No

BAS01-DN 1615 Introductory Neuroscience (1.5 Credits)

Introduction to Neuroscience is a comprehensive biomedical course that is designed to provide students with a breadth of knowledge and the fundamentals of how the Nervous System is organized and works in health and disease. The course brings together neuroanatomy, neurohistology, neurophysiology, and an introduction to the principles of neurological examination and to the general approach regarding neurological disorders. Discussions and applications place the emphasis on analytical skills, integration, critical thinking and problem solving in clinically relevant contexts. This course is open only to students in the Doctor of Dental Surgery program. Core curriculum.

Grading: Dental Graded

Repeatable for additional credit: No

BAS01-DN 1617 INBDE Preparation 1 (0.5 Credits)

The goal of the course is to 1) help students retain foundational knowledge from completed courses and 2) apply foundational knowledge to clinical cases. Students will complete weekly quizzes made up of clinical cases and integrated questions, as well as stand-alone questions. This is the first part of a multi-part course series designed to prepare students to challenge the Integrated National Board Dental Examination at the end of their third year of study. This course is open only to students in the Doctor of Dental Surgery program. Core curriculum.

Grading: Dental Pass/Fail

Repeatable for additional credit: No

BAS01-DN 2517 INBDE Preparation 2 Fall (0.5 Credits)

Continuation of BAS01-DN 1617. The goal of the course is to 1) help students retain foundational knowledge from completed courses and 2) apply foundational knowledge to clinical cases. Students will complete weekly quizzes made up of clinical cases and integrated questions, as well as stand-alone questions. This is the second part of a multi-part course series designed to prepare students to challenge the Integrated National Board Dental Examination at the end of their third year of study. This course is open only to students in the Doctor of Dental Surgery program. Core curriculum.

Grading: Dental Pass/Fail

Repeatable for additional credit: No

BAS01-DN 2615 Honors in Research (3 Credits)

Typically offered Fall

This research program is designed to provide selected students with the opportunity to be involved in a research project being conducted at NYU College of Dentistry. This course is open only to students in the Doctor of Dental Surgery program. Elective.

Grading: Dental Pass/Fail

Repeatable for additional credit: No

BAS01-DN 2617 INBDE Preparation 2 Spring (0.5 Credits)

Continuation of BAS01-DN 2517. The goal of the course is to 1) help students retain foundational knowledge from completed courses and 2) apply foundational knowledge to clinical cases. Students will complete weekly quizzes made up of clinical cases and integrated questions, as well as stand-alone questions. This is the third part of a multi-part course series designed to prepare students to challenge the Integrated National Board Dental Examination at the end of their third year of study. This course is open only to students in the Doctor of Dental Surgery program. Core curriculum, 4-year program.

Grading: Dental Pass/Fail

Repeatable for additional credit: No

BAS01-DN 3517 INBDE Preparation 3 (0.5 Credits)

Typically offered Fall

Continuation of BAS01-DN 2617. The goal of the course is to 1) help students retain foundational knowledge from completed courses and 2) apply foundational knowledge to clinical cases. Students will complete weekly quizzes made up of clinical cases and integrated questions, as well as stand-alone questions. This is the fourth part of a multi-part course series designed to prepare students to challenge the Integrated National Board Dental Examination at the end of their third year of study. This course is open only to students in the Doctor of Dental Surgery program. Core curriculum, 4-year program.

Grading: Dental Pass/Fail

Repeatable for additional credit: No

BAS01-DN 3617 INBDE Preparation 3 (0.5 Credits)

Continuation of BAS01-DN 3517. The goal of the course is to 1) help students retain foundational knowledge from completed courses and 2) apply foundational knowledge to clinical cases. Students will complete weekly quizzes made up of clinical cases and integrated questions, as well as stand-alone questions. This is the fifth part of a multi-part course series designed to prepare students to challenge the Integrated National Board Dental Examination at the end of their third year of study. This course is open only to students in the Doctor of Dental Surgery program. Core curriculum, 4-year program.

Grading: Dental Pass/Fail

Repeatable for additional credit: No

BAS01-DN 4517 INBDE Preparation 4 (0.5 Credits)

Continuation of BAS01-DN 3617. The goal of the course is to 1) help students retain foundational knowledge from completed courses and 2) apply foundational knowledge to clinical cases. Students will complete weekly quizzes made up of clinical cases and integrated questions, as well as stand-alone questions. This is the fifth part of a multi-part course series designed to prepare students to challenge the Integrated National Board Dental Examination at the end of their third year of study. This course is open only to students in the Doctor of Dental Surgery program. Core curriculum, 4-year program.

Grading: Dental Pass/Fail

Repeatable for additional credit: No

BAS01-DN 4525 Independent Research Program (1 Credit)

Typically offered Fall

This research program is designed to provide selected students with the opportunity to be involved in a research project being conducted at NYU College of Dentistry. This course is open only to students in the Doctor of Dental Surgery program. Elective.

Grading: Dental Graded

Repeatable for additional credit: No