

HEWB (HEWB)

HEWB 121. Foundations of Life Science. 4.5 Units.

This course includes an introduction to basic elements of cell structure and function. This includes the characteristics and role of different types of cells, the cell cycle, mechanisms for cell damage, repair and death, cell signaling, differentiation and gene expression. This course serves as a foundation for the modules in Health and Wellbeing and Disease Processes.

HEWB 123. Facial Growth. 1.5 Unit.

Introduction to the normal growth and development of the human face from embryology to adult.

HEWB 124. Masticatory Dynamics. 2 Units.

The didactic portion of the course describes the function of the masticatory structures with an emphasis on the path of teeth and temporomandibular joint structures during function.

HEWB 126. Masticatory Dynamics Lab. 1.5 Unit.

In the laboratory, students will continue developing the psychomotor skills necessary to reproduce the functional morphology of permanent teeth, and perform basic laboratory procedures.

HEWB 128. Body as Host. 4 Units.

This educational module focuses on the role of immune function in preserving and maintaining health; the role of bacteria, viruses, and fungi in health and infectious disease; and the host changes that occur during oral and systemic disease processes.

HEWB 130. Oral Histology. 1.5 Unit.

This course provides students with a basic understanding of the biological and histological processes involved in the development of the human oral region, particularly the calcified tissues.

HEWB 134. Head and Neck Structure and Function. 4.5 Units.

Head and neck anatomy is one of the core courses of dental education. It provides the foundation for dental education and the practice of dentistry. This course uses a mix of lecture, prosection laboratory and problem-based learning to provide the student with the anatomical content necessary for them to carry into their practices.

HEWB 200. Directed Studies. 1 - 6 Units.

Directed study under faculty supervision and with special permission of the Associate Dean for Education.

HEWB 349. Dentofacial Morphology. 1 Unit.

This course provides the dental student with an introduction to the assessment of dynamic faces and the relatively static dentition. The course details the etiologies and characteristics of various malocclusions including developmental disharmonies observed during the growth and development of a child. Primary emphasis is laid on empowering the student in the diagnoses of malocclusions employing study casts, intra and extra-oral photographs and, CBCTs or cephalograms and panoramic radiographs.