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.
Descriptive anatomy of masticatory structures with emphasis on deciduous and permanent teeth and the temporomandibular-mandibular movements, and the fundamental concepts of the functional relationships between the dentition and the temporomandibular joint. Lectures on comparative anatomy and variations in tooth morphology.

HEWB 126. Masticatory Dynamics Lab. 1.5 Unit.
Companion pre-clinical component to HEWB 124. Laboratory exercises and assignments include drawings, waxups and tooth identification, and use of semi-adjustable articulator.

HEWB 128. Body as Host. 4.5 Units.
This educational module focuses on the role of bacteria, viruses, and fungi in immune function that preserves and maintains health and discusses host changes that occur during oral and systemic disease processes.

HEWB 130. Oral Histology. 1.5 Unit.
Development of teeth and supporting tissues. Histology and ultrastructure cytology of the oral region with emphasis on the calcified tissues.

HEWB 134. Head and Neck Structure and Function. 4.5 Units.
This course explores the developmental, cellular, physiologic, anatomic and biochemical components of the head and neck region. The focus is both healthy functioning and disease of the head and neck area.

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, cephalograms.