Department of Biological and Diagnostic Sciences

Division of Oral Biology

Courses offered:

**OHST 211-Oral Histology**  
Credit: 3 (3 Lec., 1 Pract.) Prerequisite GHST 111

Deals with the differentiation, growth and development of the tooth and its supporting tissues. The basic chemistry and ultra structure of the enamel, dentin, pulp, cementum, and periodontal ligament, bone and it's remodeling are also included. The laboratory sessions provide identification of microscopic characteristics of normal oral tissues and recognition of any pathological changes.

**OHST 212-Oral Histology and Embryology**  
Credit: 3 (3 Lec., 1 Pract.) Prerequisite OHST 211

Focuses on the microanatomy and ultra structure of the oral mucosa and their relationship to oral mineralized tissues. The normal development of the organ and craniofacial malformations are also introduced as well as the process of shedding and eruption, salivary glands, temporomandibular joint and maxillary sinus. Training to identify microscopic characteristics of normal tissues and contrasted to any pathological changes.

Division of Oral Medicine and Oral Pathology

Courses offered:

**OPTH 212-Oral Pathology I**  
Credit: 2 (2 Lec., 1 Pract.) Prerequisite OHST 211

The course aims to provide the students with a comprehensive background about different oral and dental diseases (including: dental caries, pulp and periapical diseases, osteomyelitis, oral and paraoral cysts and odontogenic tumors) concerning pathogenesis, clinical and histopathological features. Also to correlate the histopathology with the clinical presentation of the disease.

**OPTH 312-Oral Pathology II**  
Cr:3 (3 Lec.,1 Pract.) Prerequisite OPTH 212

Provides the students with a comprehensive background about different oral diseases and neoplasms (including white and precancerous lesions, bone diseases, developmental oral and para-oral abnormalities, salivary gland diseases as well as non odontogenic, metastatic and salivary gland tumors) with a close focus on oral cancer. Provides the students with the proper tools needed to diagnose oral and maxillofacial diseases and neoplasms.
OMED 411-Oral Medicine
Credit: 2 (2 Lec., 1 Clin.) Prerequisite Preclinical phase

Provides the necessary knowledge, understanding, skills and attitudes necessary to diagnose, and manage different oral and dental diseases. Recognize the methods of prevention and management of medical and dental emergencies. Applying knowledge gained to detect abnormal and pathological conditions as well as risk factors that may contribute to disease process.

Division of Oral Diagnosis and Radiology
Courses offered:

ORAD 212-Oral Radiology
Credit: 1 (1 Lec., 1 Pract.) Prerequisite ANAT 112


ODTP 411-Oral Diagnosis and Treatment Planning
Credit: 2 (2 Lec., 1 Clin.) Prerequisite PERI 401

Provides the necessary knowledge, understanding, skills and attitudes necessary to prevent, diagnosis, and manage different oral and dental diseases. Recognize the methods of prevention and management of medical and dental emergencies. Applying knowledge gained to detect abnormal and pathological conditions as well as risk factors that may contribute to disease process.