

## Master Syllabus

### DEH 1306 - General & Oral Pathology

**Division:** Health Sciences

**Department:** Dental Health Sciences

**Credit Hour Total:** 4.0                      **Lecture Hrs:** 4.0

**Prerequisite(s):** DEH 1202 AND DEH 1203

**Other Prerequisite(s):** AND Restricted to Majors

**Date Revised:** December 2012

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### Course Description:

Study of human disease processes and their physiological manifestations with emphasis on the etiology, signs and symptoms of pathological conditions within the oral cavity and associated structures.

### General Education Outcomes:

- Critical Thinking/Problem Solving Competency

### Course Outcomes:

#### Oral Manifestations of Systemic Disease

Identify those systemic diseases which may present with oral manifestations and differentiate these lesions from those caused by local factors.

**Assessment Method:** Locally developed exams  
**Performance Criteria:**

70% or higher achieved

#### Caries, Pulpal and Periapical Disease

Describe the caries process and compare and contrast the histological and clinical signs and symptoms of pulpal and periapical diseases.

**Assessment Method:** Locally developed exams  
**Performance Criteria:**

70% or higher achieved

#### Central Nervous System Disorders

Describe major pathophysiological features of selected disorders of the central nervous system.

**Assessment Method:** Locally developed exams  
**Performance Criteria:**

70% or higher achieved

#### Pathophysiology of Renal and Urinary Tract Diseases

Illustrate the gross structure and function of the kidney and describe the pathologic processes of obstructive and degenerative renal disease. Compare and contrast the etiology, signs and symptoms of urinary tract disorders and sexually transmitted diseases.

**Assessment Method:** Locally developed exams  
**Performance Criteria:**

70% or higher achieved

#### Diabetes

Describe the hormonal regulation of blood glucose concentration and delineate the signs and symptoms of diabetes mellitus.

**Assessment Method:** Locally developed exams  
**Performance Criteria:**

70% or higher achieved

#### Inflammatory, Infectious and Neoplastic Lesions of the Oral Cavity and Associated Structures

Identify inflammatory, infectious and neoplastic lesions of the oral cavity comparing their similarities and differences in etiology, appearance, symptoms and treatment modalities.

**Assessment Method:** Locally developed exams  
**Performance Criteria:**

70% or higher achieved

#### General Principles of Pathophysiological Processes

Describe the cellular and tissue responses associated with disease and compare and contrast the histology of benign and malignant neoplastic processes.

**Assessment Method:** Locally developed exams  
**Performance Criteria:**

70% or higher achieved

### **Pathophysiology of the Cardiovascular and Pulmonary Systems**

Illustrate the basic anatomy and physiology of the cardiovascular and pulmonary systems and describe the etiology and ramifications of selected disease processes associated with these organ systems.

**Assessment Method:** Locally developed exams

**Performance Criteria:**

70% or higher achieved

### **Pathophysiology of the Gastrointestinal System**

Illustrate the basic anatomy of the gastrointestinal system and compare and contrast the etiology and manifestations of obstructive, hemorrhagic, inflammatory, neoplastic and reflux diseases of this organ system.

**Assessment Method:** Locally developed exams

**Performance Criteria:**

70% or higher achieved

### **Developmental and Hereditary Malformations of Oral Structures**

Identify and describe gross oral and dental malformations resulting from developmental processes or hereditary origin. Differentiate these from normal clinical variants.

**Assessment Method:** Locally developed exams

**Performance Criteria:**

70% or higher achieved

### **Immunity and Infection**

Describe the successive steps involved in the inflammatory response and adaptive immune response to infectious agents. Describe the pathogenesis of HIV and compare the various forms of hepatitis.

**Assessment Method:** Locally developed exams

**Performance Criteria:**

70% or higher achieved

### **Outline:**

General principles of disease processes, including those associated with neoplasia

The immune system, inflammatory and infectious diseases

Pathophysiology of various tissues and organ systems

Developmental and hereditary disorders

Etiology, manifestations and treatment options for oral disorders and diseases