

# DDHS - DENTAL HYGIENE (DDHS)

## DDHS 3020 Theory of Dental Hygiene Practice I

**Credits 2. 2 Lecture Hours.** Emphasis on advanced dental hygiene skills and services; provision of services to medically compromised patients.

## DDHS 3110 Introduction To Dentistry

**Credit 1. 1 Lecture Hour.** Introduction to dental hygiene as it relates to the dental specialties. Guest lecturers will describe what their specialty encompasses and the dental hygienist's role in that field of dentistry.

## DDHS 3120 Dental Anatomy

**Credits 2. 2 Lecture Hours.** Form and function of the primary and permanent human dentition; laboratory and seminar emphasis on morphology and comparisons of teeth.

## DDHS 3160 Preclinical Dental Hygiene

**Credits 6. 4 Lecture Hours. 0.5 Lab Hours. 8 Other Hours.** This course introduces the student to the foundational knowledge and skills needed to provide basic dental hygiene services. With faculty guidance, the student learns how to assess a patient's oral health needs, plan dental hygiene services to meet those needs, and implement and evaluate newly learned preventive and therapeutic procedures.

## DDHS 3220 Oral Radiology

**Credits 0 to 2. 2 Lecture Hours. 1 Lab Hour. 1 Other Hour.** This course is intended to provide the student with an understanding of the generation, properties, and techniques for use of X-rays in dentistry. The principles of radiation safety and health physics, interpretative recognition techniques and clinical patient management.

## DDHS 3250 Biomedical Sciences I

**Credits 5. 5 Lecture Hours. 0 Lab Hours.** Structure of the human body, including its anatomy, biochemistry, histology and physiology. Emphasis is placed on the structures of the head and neck region that surrounds the oral cavity.

## DDHS 3310 Health Education and Behavioral Science

**Credit 1. 1 Lecture Hour.** This course is designed to introduce the student to health education and behavioral science as it relates to educating patients and changing behaviors. Students will gain knowledge in evaluating and delivering educational services to culturally diverse populations.

## DDHS 3325 Microbiology

**Credits 2.5. 2.5 Lecture Hours. 0 Lab Hours.** A lecture course designed to teach the basic principles of medical microbiology, immunology and the infectious disease process.

## DDHS 3340 Biomedical Sciences II

**Credits 4. 4 Lecture Hours. 0 Lab Hours.** Structure of the human body, including its anatomy, bio-chemistry, histology and physiology. Emphasis is placed on the structures of the head and neck region that surrounds the oral cavity.

## DDHS 3410 Introduction to Pathology

**Credit 1. 1 Lecture Hour.** Introduction to Pathology is primarily a didactic lecture oriented course. Although clinically oriented, it is designed to provide a base of knowledge about pathologic processes and specific disease entities. Emphasis is on concepts and vocabulary essential to understanding basic pathologic process; systemic pathology of organ systems and tissues; clinical manifestations that result from biological cellular alterations.

## DDHS 3425 Health Promotion and Disease Prevention

**Credits 2.5. 2.5 Lecture Hours.** This course introduces the student to the etiology and prevalence of oral diseases and oral problems. The emphasis of the course is on the role of the dental hygienist in the promotion of optimal oral health, the prevention of oral diseases, and the importance of achieving and maintaining excellent personal oral health habits. The importance of and the techniques for educating the patient in self-care skills will also be examined.

## DDHS 3530 Applied Dental Materials

**Credits 3. 2 Lecture Hours. 2.5 Lab Hours.** Didactic, laboratory and clinical instruction in the principles of the science of dental materials and in procedures within the scope of dental hygiene practice.

## DDHS 3830 Clinical Dental Hygiene I

**Credits 3. 9 Other Hours.** Comprehensive dental hygiene care through clinical application of procedures. Includes intramural dental hygiene and dental school rotations.

## DDHS 4010 National Board Review

**Credit 1. 1 Lecture Hour.** Reviews applications of previous course content using a seminar format in preparation for the National Board Dental Hygiene Exam.

## DDHS 4015 Pharmacology

**Credit 1.5. 1.5 Lecture Hour.** Actions, indications and contraindications of drugs; emphasis on drugs frequently encountered in dentistry.

## DDHS 4025 Oral Pathology

**Credits 2.5. 2.5 Lecture Hours.** A didactic lecture oriented course. The lecture portion of the course, although, clinically oriented is designed to provide a base of knowledge about pathologic processes and specific disease entities. Diseases unique to the oral regions as well as oral manifestations of systemic disease will be covered. The Clinical Pathologic Conference (CPC) attempts to assimilate that information and apply it to relevant clinical situations in a case-based PDL format. Cases which illustrate a variety of clinical signs and symptoms will be presented with clinical histories. Students will be given the opportunity to develop a differential diagnosis and discuss the implications of this relevant to the patient's treatment.

## DDHS 4110 Medical Emergencies

**Credits 0-1. 0-1 Lecture Hours.** Discussions on the preparations for handling emergencies; prevention, recognition and management of various emergencies. The course includes case scenario presentations and mock hands-on drills.

## DDHS 4140 Clinical Dental Hygiene III

**Credits 4. 12 Other Hours.** Comprehensive dental hygiene care through clinical application of procedures. Includes intramural dental hygiene and dental school rotations and extramural site rotations.

## DDHS 4210 Professional Ethics

**Credit 1. 1 Lecture Hour.** The didactic lecture course and case-based small group decision making exercises draw from general ethics, bioethics, dental-specific ethics and obligations of health-care professionals.

## DDHS 4220 Comprehensive Care Seminar

**Credits 0 to 2. 0 to 2 Lecture Hours.** Topics and activities designed to integrate dental hygiene care with total patient care; includes a case presentation.

## DDHS 4240 Clinical Dental Hygiene IV

**Credits 4. 12 Other Hours.** Comprehensive dental hygiene care through clinical application of procedures. Includes intramural dental hygiene and dental school rotations and extramural site rotations.

## DDHS 4310 Oral Radiography

**Credits 0-1. 0-1 Other Hours.** Provides the student with clinical experience in the application of the principles, procedures and techniques of oral radiography.

## DDHS 4320 Perspectives in Dental Hygiene

**Credits 2. 2 Lecture Hours.** In addition to preparing the student for private practice dental hygiene positions, this course introduces other potential career options including hospital/clinic administration, sales, consulting, public health, insurance and education. The importance of the dental team concept, résumé writing and interviewing skills will be discussed. Legal, ethical and professional issues involving record keeping, licensing, informed consent, sexual harassment and the standard of care will be explored. The business aspects of dental hygiene, personal financial planning, and insurance options will also be addressed. In addition, this course will prepare students for the Texas Jurisprudence Exam required for state licensure.

## DDHS 4410 Gerontology

**Credit 1. 1 Lecture Hour.** This course will examine the unique considerations a dental professional will encounter when providing care to a geriatric patient. Social, psychological and biological aspects of aging will be discussed. Strategies for patient care will be outlined and discussed. Appropriate community referral agencies will be explored to aid the hygienist in providing assistance to the elderly patient.

## DDHS 4510 Pediatric Dentistry

**Credit 1. 1 Lecture Hour.** Child development as the basis for management of behavior in the dental environment.

## DDHS 4530 Public and Community Health

**Credits 0 to 3. 0 to 3 Other Hours.** This course examines dental public health and pro-motes a greater understanding of the important role of the dental hygienist within the community. The student is exposed to opportunities to promote oral health and prevent dental diseases in the community through organized community-based programs versus the traditional clinical approach.

## DDHS 4610 Periodontics

**Credit 1. 1 Lecture Hour.** Characteristics, etiology and treatment of inflammatory diseases of the supporting tissues of the teeth and their substitutes. Emphasis is placed on the relationship of periodontics to the practice of dental hygiene.

## DDHS 4620 Theory of Dental Hygiene Practice II

**Credits 2. 2 Lecture Hours.** Fundamental knowledge and techniques in managing patients with special needs.

## DDHS 4710 Applied Research Methods

**Credit 1. 1 Lecture Hour.** Practical experience in applying principles of research methodology; includes preparation of a formal proposal and table clinic under mentorship of individual faculty.

## DDHS 4715 Research Methods

**Credit 1.5. 1.5 Lecture Hour.** Identification of research problems and variables; sampling; research design; statistical testing of data; critical review of dental literature; table clinic development for presentation to the public and professional groups.

## DDHS 4810 Local Anesthesia and Nitrous Oxide/Oxygen Sedation

**Credit 1. 1 Lecture Hour.** The primary method of presentation is lecture, a detailed outline is provided to each student to facilitate the lecture or textbook notes to supplement the outline. Students are given outside assignments to practice dose calculations for each local anesthetic and for a variety of patients. The lecture material is supplemental with videotapes designed to show the correct administration techniques, the neural innervations of each area of the oral cavity and the area anesthetized.

## DDHS 4820 Clinical Dental Hygiene II

**Credits 2. 6 Other Hours.** Comprehensive dental hygiene care through clinical application of procedures. Includes intramural dental hygiene and dental school rotations and extramural site rotations.