

# DENTAL HYGIENE (DHYG)

## **DHYG 301 PRECLINIC THEORY 2 Credit Hours**

An introduction to the dental hygiene profession, providing an overview of dental terminology; sterilization, disinfection and prevention of disease transmission; tissues of the periodontium (oral mucous membrane, gingiva, periodontal ligament, cementum and alveolar bone); hard and soft dental deposits, including plaque, stain, and calculus; plaque indices; identification of restorative materials and operative charting; the etiology of oral diseases; preventive dental care; and oral physiotherapy aids and techniques.

Typically Offered: FALL

## **DHYG 307 MEDICAL EMERGENCIES 1 Credit Hour**

This course provides information regarding the prevention, recognition, and management of medical emergencies which can and do occur in the dental office setting.

Typically Offered: FALL

## **DHYG 309 PRECLINICAL TECHNIQUES 4 Credit Hours**

The basic theories and techniques of clinical dental hygiene. The lectures include patient assessment, instrumentation and documentation of services provided. The clinic/lab practice on student partners provides an opportunity to gain proficiency and prepare for patient appointments.

Typically Offered: FALL

## **DHYG 310 CLINICAL DENTAL HYGIENE I 3 Credit Hours**

A clinical course where the students apply the skills learned in DHYG 301, 307, 309 and the new skills acquired in DHYG 320 and ADRS 326. The forum for this course is designed for basic instruction in evidence-based learning, critical thinking, and student-centered learning. Emphasis is placed on forming a focused clinically relevant (PICO) question, performing a critical review and evaluation of the scientific literature, evidence-based decision making and critical thinking, determining applicability, and sharing this information with their peers. This course provides a unique opportunity for students to share information with peers regarding clinical care questions that require them to conduct research to find answers and determine applicability in the clinical setting.

Prerequisite: DHYG 301, DHYG 307, DHYG 309, DHYG 321

Typically Offered: SPRING

## **DHYG 312 NITROUS OXIDE-OXYGEN SEDATION 1 Credit Hour**

A comprehensive lecture and laboratory course providing basic concepts and techniques for the safe and effective administration of nitrous oxide-oxygen sedation. Students will gain experience in medical history review, vital sign collection, record keeping, patient management, and hands on experience administering nitrous oxide-oxygen sedation in a clinical setting.

Prerequisite: DHYG 310, DHYG 320, ORBI 317

Typically Offered: SUMMER

## **DHYG 320 CLINICAL TECHNIQUES I 2 Credit Hours**

Clinical Techniques I is a theory and laboratory techniques course. Lecture and laboratory activities include: treatment of the child patient (0-12 years); care of prosthetic appliances; instrument sharpening; instrumentation; occlusal sealants; ultrasonics; treatment of the adolescent (13-19 years); dental hygiene care plan/treatment plan; air polishing; caries risk assessment; amalgam polishing/margination; intraoral camera; and periodontal risk assessment which apply to all patient categories.

Prerequisite: DHYG 307, DHYG 301, DHYG 309, DHYG 321

Typically Offered: SPRING

## **DHYG 321 DENTAL ANATOMY LECT/LAB 2 Credit Hours**

A lecture-laboratory course studying the development, form, function and static relationships of teeth in the human dentition and the proper terminology needed to identify structures of the human dentition. Students also develop skill at working with spatial relationships by developing models of teeth to proper contours in wax replicas.

Typically Offered: FALL

## **DHYG 328 CLINICAL DENTAL HYGIENE II 1 Credit Hour**

DHYG 328 is a clinical course where the student refines skills learned in DHYG 301, 307, 309, 310, 320, ADRS 326 and applies the new skills learned in DHYG 330. The forum for this course is designed for basic instruction in evidence based learning, critical thinking, and student centered learning. Emphasis is placed on forming a focused clinically relevant (PICO) question, performing a critical review and evaluation of the scientific literature, evidence-based decision making and critical thinking, determining applicability, and sharing this information with their peers. This course provides a unique opportunity to share with their peer cohort information regarding clinical care questions that require students to conduct research to find answers and determine applicability in the clinical setting.

Prerequisite: DHYG 301, DHYG 309, DHYG 310, DHYG 320, ORBI 304

Typically Offered: SUMMER

## **DHYG 330 CLINICAL TECHNIQUES II 2 Credit Hours**

This course will provide the theory and technique of advanced clinical skills required in the assessment, planning, treatment, evaluation and documentation of the periodontal patient, including periodontal assessment and charting, root morphology, root planing, and periodontal debridement with advanced instrumentation and supplemental instruments. Students gain proficiency in the fabrication of bleaching trays and learn from case studies how to synthesize relevant information to the treatment of patients.

Prerequisite: DHYG 310, DHYG 320, ADRS 326

Typically Offered: SUMMER

## **DHYG 406 COMMUNITY DENTAL HEALTH 3 Credit Hours**

A survey of the theory and practice of community health, particularly as it applies to dental health; methods used to determine dental health status in communities, procedures for improving the dental health of the public, and procedures in health education.

Typically Offered: SPRING

## **DHYG 406A COMMUNITY DENTAL HEALTH 0 Credit Hours**

A survey of the theory and practice of community health, particularly as it applies to dental health; methods used to determine dental health status in communities, procedures for improving the dental health of the public, and procedures in health education.

Typically Offered: FALL/SPR

## **DHYG 412 LOCAL ANESTHESIA 2 Credit Hours**

A comprehensive lecture and laboratory course providing basic concepts and techniques for the safe and effective administration of local anesthetic agents. This course includes delivery by traditional syringe as well as a computer-assisted system. Students will gain experience in medical history review, vital sign collection, record keeping, patient management, and hands-on experience administering local anesthetics in a clinical setting.

Prerequisite: DHYG 312, DHYG 328, DHYG 330, ORBI 315, ORBI 316

Typically Offered: FALL

**DHYG 423 CLINICAL DENTAL HYGIENE III 4 Credit Hours**

A clinical course which provides the student with experience in comprehensive patient care. Internal rotation opportunities in group practice and surgical specialties are featured. External rotations provide unique opportunities in hospital hygiene, public health, and federal institutions. The forum for this course is designed for basic instruction in evidence-based learning, critical thinking and student centered learning. Emphasis is placed on forming a focused clinically relevant (PICO) question, performing a critical review and evaluation of the scientific literature, evidence-based decision making and critical thinking, determining applicability, and sharing this information with their peers. This course provides a unique opportunity to share with their peer cohort information regarding clinical care questions that require students to conduct research to find answers and determine applicability in the clinical setting.

Prerequisite: ORBI 314, DHYG 328, DHYG 330, PERO 331

Typically Offered: FALL

**DHYG 425 CLINICAL TECHNIQUES III 2 Credit Hours**

Continuation of advanced theory and techniques, with an emphasis on research, management, planning and implementation of treatment for periodontal patients, IDD patients, and immunocompromised patients. Lecture, laboratory practice and patient therapy includes: clinical process guidelines for the geriatric and special needs patient; digital impressions, intraoral photography, soft tissue curettage (or de-epithelialization with a laser), dental care and maintenance for the medically compromised patient, acute periodontal diseases, periodontal risk factors, interim restorative therapy (IRT), bleaching techniques, desensitization, chemotherapeutic agents, tobacco cessation, and how to develop a case presentation.

Prerequisite: DHYG 330

Typically Offered: FALL

**DHYG 426 PROFESSIONAL PERSPECTIVES 2 Credit Hours**

A course designed to familiarize the students with professional demeanor, office management and economics, the history of dental hygiene, legal responsibilities, ethics and jurisprudence, educational requirements and credentials, practice act requirements for different states, functions and benefits of the professional dental hygiene organization, career alternatives, employment issues and expanded function opportunities, and trends as related to the dental hygiene profession.

Typically Offered: SPRING

**DHYG 428 CLINICAL DENTAL HYGIENE IV 4 Credit Hours**

Clinical Dental Hygiene IV-DHYG 428 is a continuation of DHYG 423. Clinical requirements emphasize the clinical skills presented in DHYG 425 and a development of speed and efficiency while improving competency in the delivery of patient services. The forum for this course is designed for basic instruction in evidence-based learning, critical thinking, and student-centered learning. Emphasis is placed on forming a focused clinically relevant (PICO) question, performing a critical review and evaluation of the literature, evidence-based decision making and critical thinking, and determining applicability. This course provides a unique opportunity for students to share information with peers regarding clinical care questions that require them to conduct research to find answers and determine applicability in the clinical setting.

Prerequisite: ORBI 401, DHYG 412, DHYG 423, DHYG 425, ORBI 491, ADRS 408

Typically Offered: SPRING

**DHYG 430 CLINICAL TECHNIQUES IV 2 Credit Hours**

A continuation of the theory and technique of advanced clinical skills, with an emphasis on expanded DH functions, including the treatment and management of patients utilizing the perioscope; Myofunctional therapy; and salivary testing. Lecture and laboratory practice includes minor denture adjustments; endodontic evaluation and pulp vitality testing; drug interaction and update; prescription writing; third party reimbursement protocols; written and clinical mock board examinations; and guest lecturers.

Prerequisite: DHYG 425

Typically Offered: SPRING