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 material and operative charting; the etiology of oral diseases; preventive dental care; and oral physiotherapy aids and techniques.
Typically Offered: FALL

DHYG 302 RESEARCH METHODOLOGY 1 Credit Hour
This course is designed to introduce concepts in research methodology and entry-level statistics in order for students to develop skills necessary to review the literature, appraise the evidence, apply evidence-based practice, and conduct original research. Students will conduct a review of the literature associated to their research question, develop a study design, and implement data collection. Upon completion of the research, a poster presentation will be given by the students during the spring term of their senior year at Professionals’ Day as well as the Nebraska Dental Hygienists’ Association Annual Session.
Typically Offered: SPRING

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 lecture includes 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.
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.
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 sealsants; 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.
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.
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 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.
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 rotations in group practice and surgical specialties are featured. External rotations provide unique opportunities in hospital hygiene, public health, private rural practices and communities, and state 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.
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: 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, caries identification and management, interim restorative therapy techniques (IRT), video-imaging systems, bleaching techniques, desensitization, chemotherapeutic agents, tobacco cessation, use of supplemental instruments and how to develop a case presentation.
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.
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. Lecture and laboratory practice includes occlusal screening, endodontic evaluation, drug interactions update/ prescription writing, utilization of computer generated anesthesia (the Wand), third party reimbursement protocols, written mock and clinical board examinations and guest lecturers.
Typically Offered: SPRING