

DENTAL HYGIENE (DH)

DH 3003. Interdisciplinary Leadership in Healthcare. 3 Credit Hours.

Prerequisites: Admissions to OU Health Sciences Campus. Cross Listed: PHAR 3003; NURS 3003; AHS 3003 This course reviews cultural humility and interprofessional competence in health care. It provides the opportunity to learn how interprofessional health professionals can utilize cultural humility to address health disparities among an increasingly diverse population while providing the highest quality of care. (F, Sp, Su, Int III, IV) Course may not fulfil the Upper-Division General Education Req.
Course Type: Lecture

DH 3111. Pediatric Dentistry. 1 Credit Hour.

Prerequisites: None. Overview of physical, emotional and developmental aspects specific to the child. Applied techniques for the child dental hygiene patient.

Course Type: Lecture

DH 3113. Pharmacology. 3 Credit Hours.

Prerequisites: None. A general introduction to the use of the drugs as therapeutic agents in the framework of a systemic survey of major drug categories; consideration of the factors affecting the intensity of drug action.

Course Type: Lecture

DH 3121. Geriatric Dentistry. 1 Credit Hour.

Prerequisites: None. Multi-Level Course: OD 8491 A combined interdepartmental course with DS3's and DH1's. Overview of increasing influences of the elderly population upon future delivery of dental services. Expert presentations are given in specialty areas for geriatric pharmacology, dentistry, gerontology, and DHS Adult Protective Services. Students are required to participate at an off-site senior care facility.

Course Type: Lecture

DH 3242. General and Oral Histology. 2 Credit Hours.

Prerequisites: None Study of the microscopic structure of the tissues of the body and the oral cavity, with emphasis on the development of oral structures.

Course Type: Lecture

DH 3271. Dental Morphology. 1 Credit Hour.

Prerequisites: None. Introduction to the anatomy, functions and structure of the teeth with emphasis on tooth identification and dental terminology.

Course Type: Lecture

DH 3312. Clinical Dental Hygiene I. 2 Credit Hours.

Prerequisites: None. This course emphasizes practical application of fundamental concepts and principles of patient care discussed in CDH Theory I. Emphasis is placed upon development of skills and dexterity necessary for routine dental hygiene treatment. Also includes rotation through various clinics to acquaint the student with different aspects of clinical dentistry.

Course Type: Laboratory

DH 3313. Clinical Dental Hygiene Theory I. 3 Credit Hours.

Prerequisites: None. Introduction to theory of the dental hygiene process of care and the practice of dental hygiene. Students will become acquainted with concepts necessary to provide competent dental hygiene care. Principles of basic instrumentation, prevention of disease transmission, patient assessment procedures, treatment interventions, and introduction to clinical protocol are included.

Course Type: Lecture

DH 3322. Oral Diagnosis. 2 Credit Hours.

Prerequisites: DH 3313 or Permission. Rationale for and methods of gathering data needed for diagnosis of oral conditions, including medical and dental history taking, examinations of the head, neck, and oral cavity and review of radiographs.

Course Type: Lecture

DH 3323. Clinical Dental Hygiene II. 3 Credit Hours.

Prerequisites: DH3312 Students begin provision of DH care to patients with relatively uncomplicated needs. Students continue rotations that may include various COD clinics, institutional settings, and/or private offices. Rotation experiences include assisting, exposing and developing radiographs and observation of sterilization.

Course Type: Laboratory

DH 3342. Head and Neck Anatomy. 2 Credit Hours.

Prerequisites: Permission. Introduction to basic terminology, location, description and physiology relative to head and neck anatomy. Designed to provide a working fundamental knowledge of principles of neurologic, vascular, osseous, and muscular subsystems. Particular emphasis is placed on entities that by form and or function apply to the clinical practice of dental hygiene.

Course Type: Lecture

DH 3411. Applied Dental Materials. 1 Credit Hour.

Prerequisites: None. Laboratory course to provide experiences to prepare the student for the clinical applications of dental materials used in dental hygiene practice.

Course Type: Laboratory

DH 3421. Oral Radiography II. 1 Credit Hour.

Prerequisites: None. Basic radiation physics, biological effects of radiation, exposure procedures, development procedures (darkroom technique) and radiation safety. Laboratory included.

Course Type: Lecture

DH 3422. Clinical Dental Hygiene Theory II. 2 Credit Hours.

Prerequisite: DH 3313 Provides expansion of knowledge to provide dental hygiene treatment, including ultrasonic instrumentation, root planing, sealants, and dentinal hypersensitivity and implant maintenance. Students are introduced to self-assessment in the clinical environment, prosthetic appliance care and DH treatment of orthodontic patients. Presentation of DH case study that includes medical emergency is required.

Course Type: Lecture

DH 3423. Oral Radiography I. 3 Credit Hours.

Prerequisites: None. This course introduces the dental application of radiography including the nature of ionizing radiation and principles of x-ray production, biologic effects and radiation protection and safety. It introduces intraoral and extraoral radiographs and specific landmarks. The course prepares the student for preclinical and clinical radiography in the Spring semester.

Course Type: Lecture

DH 3441. Dental Materials Science. 1 Credit Hour.

Prerequisites: None. Methods and materials used in the replacement or restoration of teeth. Laboratory included.

Course Type: Lecture

DH 3511. Health Education. 1 Credit Hour.

Prerequisite: DH 3513 Preventive Dentistry The principles of health education and the psychology of human behavior with emphasis on factors influencing dental health behavior both on an individual basis and in the group setting.

Course Type: Lecture

DH 3513. Preventive Dentistry. 3 Credit Hours.

Prerequisites: None. Historical development and current status of dental hygiene as the preventive auxiliary in dentistry; ethical responsibilities of the dental hygienist; individual and community methods of prevention as part of the specialties of dentistry; introduction to communication skills needed in working with patients.

Course Type: Lecture

DH 3523. Dental Hygiene Research Methods. 3 Credit Hours.

Prerequisites: None. The basic principles of Research Methodology and Biostatistics as they apply to the practice of dental hygiene. Emphasis will be placed on critical evaluation of scientific literature, research design and scientific writing.

Course Type: Lecture

DH 3960. Honors Readings. 1-3 Credit Hours.

Prerequisites: Admission to the Honors Program. May be repeated with change of content; maximum credit 3 hours. Honors reading will consist of topics designated by the instructor in keeping with the student's major program. The topics will cover materials not usually presented in the regular courses. May be repeated; maximum credit six hours.

Course Type: Independent Study

DH 3970. Honors Seminar. 1-3 Credit Hours.

Prerequisites: Admission to the Honors Program. May be repeated; maximum credit six hours. The projects covered in this course will vary. The content will deal with concepts not usually presented in regular coursework.

Course Type: Lecture

DH 3980. Honors Research. 1-3 Credit Hours.

Prerequisites: Admission to Honors Program. May be repeated; maximum credit six hours. Will provide an opportunity for the gifted honors candidate to work a special project in the student's field. May be repeated; maximum credit six hours.

Course Type: Independent Study

DH 3993. Honors Colloquium. 3 Credit Hours.

Prerequisites: Admission to Honors Program. May be repeated; maximum credit 3 hours. An interdepartmental course involving two or more instructors from different departments developed and approved by the honors program director and listed in each departmental honors program. Students are required to enroll in the colloquium under their major departmental number.

Course Type: Independent Study

DH 4144. Oral Pathology. 4 Credit Hours.

Prerequisites: None. Physiology of disease in the human body, principles of recognition, and rationale for prevention. Emphasis on oral pathology and on clinical ramifications of systemic disease in the dental patient.

Course Type: Lecture

DH 4331. Clinical Rotations I. 1 Credit Hour.

Prerequisites: DH 3313 and DH 3422. Practical experiences in various clinical aspects of general and specialty dentistry. Includes assisting and observing dental students, residents and faculty providing dental care to patients. Students will provide dental hygiene services to patients in selected settings to observe the integration of clinical dental hygiene within the field of dentistry.

Course Type: Clinical

DH 4332. Dental Hygiene Process of Care. 2 Credit Hours.

Prerequisite: DH 3422. This course is designed to begin preparing the learner for transition to practitioner. Includes theory and practice of advanced instrumentation techniques and care of patients with complex medical problems.

Course Type: Lecture

DH 4336. Clinical Dental Hygiene III. 6 Credit Hours.

Prerequisites: DH 4332. Continuation of supervised clinical practice, with emphasis on meeting the needs of patients with special needs and/or complex medical problems. Self-assessment is an integral part of the learning experience.

Course Type: Laboratory

DH 4341. Clinical Rotations II. 1 Credit Hour.

Prerequisites: DH 4331 and DH 4332. A continuation of DH 4331 with emphasis on the clinical application of principles of patient evaluation, oral hygiene instruction, periodontal debridement and adjunct services within general and specialty dental practice experiences.

Course Type: Clinical

DH 4401. Periodontics I. 1 Credit Hour.

Prerequisites: None. Introduction to etiology and clinical description of periodontal diseases; therapeutic rationale and techniques from initial examination through presurgical reevaluation.

Course Type: Lecture

DH 4411. Dental Hygiene Practice Management. 1 Credit Hour.

Prerequisites: None. Study of the administrative roles and responsibilities needed for dental hygiene practice, including relevant business aspects of dentistry and the integral contributions of the dental hygienist to the oral healthcare team. Personal career development planning will also be considered, including job search considerations and strategies, and employment factors.

Course Type: Lecture

DH 4413. Senior Capstone Seminar. 3 Credit Hours.

Prerequisites: DH 3523 The critical evaluation of scientific literature and its incorporation into an independent study or a research project on some aspect of dentistry from which conclusions are written in a scholarly paper and presented orally.

Course Type: Independent Study

DH 4421. Ethics and Jurisprudence. 1 Credit Hour.

Prerequisites: None. Basic tenets of the law as it applies to dentistry and dental hygiene. Study of professional ethics with the goal of promoting ethical dialogue, conduct and reasoning. Topics of discussion include defining the ethical organization, and the ADHA Code of Ethics, dealing with conflicting values, and responding to unethical behavior.

Course Type: Lecture

DH 4442. Advanced Clinical Dental Hygiene. 2 Credit Hours.

Prerequisites: DH 3313, DH 3322, DH 4332 Through seminar and lecture, students explore clinical issues as they arise and learn advanced dental hygiene principles, and additional clinical functions performed by hygienists. The emphasis is to broaden the student's perspective of dental hygiene practice.

Course Type: Lecture

DH 4446. Clinical Dental Hygiene IV. 6 Credit Hours.

Prerequisites: DH 4336 Final semester of supervised clinical practice with an emphasis on transition to dental hygiene practice. Continuation of care for patients with complex medical problems, and additional clinical functions performed by dental hygienists.

Course Type: Laboratory

DH 4472. Pain Control for Dental Hygiene Care. 2 Credit Hours.

Prerequisites: None. Pain control by the use of local anesthesia agents used in dentistry.

Course Type: Lecture

DH 4501. Periodontics II. 1 Credit Hour.

Prerequisites: DH 4401 or permission. Introduction to periodontal surgical procedures, including rationale and techniques in coordination with systemic and other dental health problems.

Course Type: Lecture

DH 4541. Community Health Practicum. 1 Credit Hour.

Prerequisites: Permission. Implementation and evaluation of community dental health programs in selected community settings. Critical evaluation of scientific literature and its incorporation into an independent study or a research project on some aspect of dentistry from which conclusions are written in a scholarly paper and presented orally at a professional dental meeting.

Course Type: Practicum

DH 4552. Community Health Issues. 2 Credit Hours.

Prerequisites: None. Principles of community health including the social, cultural, political, psychological and economic factors that which influence the utilization and delivery of dental health services within the health care system. Includes the epidemiological patterns of oral diseases and community dental health program planning.

Course Type: Lecture

DH 4601. Periodontics III. 1 Credit Hour.

Prerequisites: DH 4401 and DH 4501 or Permissions. Advanced periodontal therapy related to other clinical disciplines including orthodontics, endodontics, fixed and removable prosthodontics.

Course Type: Lecture

DH 4950. Research in Dental Hygiene. 1-4 Credit Hours.

Prerequisites: Permission. May be repeated with change of subject matter; maximum credit four hours. Research technique at the undergraduate level. Research topics which can be completed within the semester will be selected by students with faculty guidance.

Course Type: Independent Study

DH 4960. Directed Reading in Dental Hygiene. 1-4 Credit Hours.

Prerequisites: Permission. May be repeated with change of content; maximum credit 4 hours. Elective for students who wish to pursue library research on topics in dental hygiene.

Course Type: Independent Study

DH 4990. Special Studies in Dental Hygiene. 1-4 Credit Hours.

Prerequisites: Permission. May be repeated with change of subject matter; maximum credit four hours. Elective for students who wish to devote time to delineating a special problem and solving that problem with guidance from a faculty member.

Course Type: Independent Study