

BACHELOR OF SCIENCE DEGREE PROGRAM IN DENTAL HYGIENE

COURSE DESCRIPTIONS

DH 2111—Dental Anatomy (2 cr.)

Study of all deciduous and permanent teeth, including tooth form, function and relationship to oral health; calcification, eruption and exfoliation patterns; ideal static occlusion, dental terminology, and tooth annotation systems. Lab experiences include identification and annotation of teeth.

DH 2121—The Dental Hygiene Care Process: Clinical Application I (5 cr.)

Dental hygiene care process, assessment principles related to medical and oral health status, dental hygiene clinical procedures, and development of instrumentation skills.

DH 2132—Head and Neck Anatomy (1 cr.)

Anatomical structures of the head and neck as they relate to the practice of dental hygiene.

DH 2212—Dental Hygienist-Patient Relationship (2 cr.)

Use of clinical research and evidence-based clinical decision making when communicating scientifically based clinical therapy and treatment modalities; promotion of active participation by patient in clinical decision making.

DH 2215— Histology and Embryology (3 cr.)

Study of the application of pathophysiology to specific organ systems and more extensively the mouth. Emphasis on the identification and management of selected oral conditions.

DH 2221—Periodontology (3 cr.)

Periodontal diseases; etiology, assessment and treatment options. Clinical experience in debridement, root planing with ultrasonic and hand instruments.

DH 2222—The Dental Hygiene Care Process: Clinical Application II (3 cr.)

School of Dentistry clinical systems. Various medical and emergency conditions affecting patient care and preventive strategies for dental diseases. Skill development in fluoride, sealants, and air polishing techniques. Evaluation of products used in the treatment of dental caries and periodontal diseases.

DH 2231—Cariology and Applied Nutrition in Dental Hygiene Care (3 cr.)

Dental caries; etiology, pathology, and prevention. Principles of diet and nutrition applied to dental hygiene patient care; skills in dental dietary counseling.

DH 3120—General and Oral Pathology (2 cr.)

Selected topics in the disciplines of general and oral pathology. Important aspects of general pathology and the relationship to the oral cavity are incorporated. Detection, description and treatment of specific oral lesions and conditions.

DH 3121—Local Anesthesia and Pain Management (2 cr.)

Concepts in the administration of local anesthesia, nitrous oxide-oxygen sedation, and other methods of pain management. Anatomy, physiology, pharmacology, patient assessment, indications and contraindications, selection of agents, injection techniques, complications, emergency management, and legal and ethical considerations. Lecture, lab, and clinic.

DH 3123—The Dental Hygiene Care Process: Clinical Application III (4 cr.)

Dental hygiene treatment planning, alternative instruments and advanced skills related to the implementation of dental hygiene care. Clinical experience in dental hygiene patient care.

DH 3126—Oral and Maxillofacial Radiology: Clinic I (0 cr.)

Exposing patient radiographs, interpretation, panoramic and extraoral technique, and quality assurance procedures.

DH 3133—Pharmacology (2 cr.)

Principles of pharmacology, physical/chemical properties of drugs, modes of administration, therapeutic/adverse effects, drug actions/interactions.

DH 3134—Pediatric Dentistry (1 cr.)

Knowledge, skills, and attitudes required for providing dental hygiene care for pediatric patients.

DH 3151—Oral and Maxillofacial Radiology (2 cr.)

General principles of radiology, radiation physics, dosimetry, biology, radiation protection, regulations and recent concepts of imaging.

DH 3211—Biomaterials and Principles of Restorative Techniques I (4 cr.)

Principles of biomaterials and restorative techniques; lecture and pre-clinic experiences.

DH 3224W—The Dental Hygiene Care Process: Clinical Application IV (4cr.)

Knowledge, skills, and attitudes required for providing dental hygiene care to geriatric patients, and patients with special needs; tobacco cessation and ergonomics. Clinical experience in dental hygiene patient care.

DH 3227—Oral and Maxillofacial Radiology: Clinic II (0 cr.)

Exposing patient radiographs, interpretation, panoramic and extraoral technique, and quality assurance procedures.

DH 3228—Ethics, Jurisprudence, and Principles of Practice (2 cr.)

Career planning, employment seeking, jurisprudence, and ethical decision-making.

DH 3234—Oral and Maxillofacial Radiology: Theory, Principles and Radiographic Analysis (2 cr.)

Atomic radiations; characteristics, production, and control of radiographs; radiographic exposures; recent concepts; radiation biology, dosimetry, protection, and regulations. Discrepancies and technical errors in intraoral radiographs; radiographic anatomy; radiographic evidence of deviations from normal anatomic variations.

DH 3238—Dental Public Health and Academic Service Learning (3 cr.)

Epidemiological methods of investigation and patterns of oral diseases; scope and content of the specialty of dental public health. Assess plan and implement a community dental health program.

DH 4125W—The Dental Hygiene Care Process: Clinical Application V (5 cr.)

Advanced dental hygiene care process. Analyze patient preventive/treatment needs through case-based teaching. Emphasis on cultural diversity, family violence issues and using technology in patient care.

DH 4128—Oral and Maxillofacial Radiology: Clinic III (3 cr.)

Exposing patient radiographs, interpretation, panoramic and extraoral technique, and quality assurance procedures.

DH 4130—Management and Supervision of a Dental Practice (2 cr.)

Lecture series designed to establish skills in planning, organizing, leading and controlling the clinical, business, and human aspects of a dental practice.

DH 4136—Periodontology III Lecture (1 cr.)

Clinical procedures associated with surgical phase of periodontal therapy. Emphasis on evaluation of periodontal treatment as well as the maintenance phase and the relationship between periodontics and other dentistry disciplines. Roles of clinical research in periodontics.

DH 4139—Dental Public Health and Academic Service Learning II (2 cr.)

Dental hygiene education in various community settings. Implementation of community dental health program.

DH 4135W—Research Methods in Dental Hygiene (3 cr.)

Develop skills in scientific method and analyzing research findings; emphasis on types of research, problem selection, hypothesis writing, research planning and design, data collection and measuring techniques, analysis and interpretation of data, and writing the research proposal.

DH 4211—Principles of Restorative Techniques (3 cr.)

Principles of restorative techniques; clinical experiences.

DH 4226--Dental Hygiene Care Process: Clinical Application VI (6 cr.)

Advance clinical competence and proficiency in using the dental hygiene care process. Current therapies and technologies in periodontics, cariology and contemporary dental hygiene interventions are discussed in the context of student's "capstone" case presentations.

DH 4229—Oral and Maxillofacial Radiology: Clinic IV (3 cr.)

Exposing patient radiographs, interpretation, panoramic and extraoral technique, and quality assurance procedures.

DH 4234—Leadership and Professional Development (2 cr.)

Explore the dental hygienist as leader and manager in client care. A study of current trends that influence the practice of dental hygiene including oral health care delivery, manpower, finance mechanisms, health insurance programs, professional associations, state practice acts and legislation. Emphasis is on the political and legal issues as they relate to the dental hygiene profession.

BIOC 2001—Elementary Biochemistry (3 cr.)

Chemistry and biochemistry as they apply to the organization, function, and regulation of living systems, especially humans.

MICB 4001—Microorganisms and Disease (2 cr.)

Pathogenic microorganisms, host-parasite interactions, disease treatment and prevention.

WRIT 3562W—Professional Communication for Dental Hygiene (4 cr)

STAT 1001—Introduction to Statistics (3 cr) Controlled vs. observational studies; presentation and description of data; chance variation; correlation and causality; confidence intervals; statistical tests.