Dental Hygiene (DNHY)

Please note: Semester courses include an "S" with the number.

DNHY 300S. HEAD AND NECK ANATOMY. 2 Credits.
Pre-requisites: admission to DNHY Program.
A detailed study of head and neck anatomy, including bones, musculature, blood, lymphatic and nerve supply.

DNHY 301S. DENTAL ANATOMY. 2 Credits.
Pre-requisites: admission to DNHY Program.
The course is a study of tooth anatomy, terminology, morphology and eruption. The following topics are covered: eruption, physiologic tooth form, collective tooth morphology, dental anatomy nomenclature and morphology, root anatomy, wax carvings, and specific anatomical features of selected permanent and primary teeth.

DNHY 302S. HISTOLOGY AND EMBRYOLOGY. 2 Credits.
Pre-requisites: admission to DNHY Program.
A detailed study of oral histology and embryology focusing on the development of the face and oral cavity, along with microscopic anatomy of the oral cavity.

DNHY 310S. RADIOLOGY. 3 Credits.
Pre-requisites: admission to DNHY Program.
Clinical and physical principles of x-ray production, hazards and safety procedures, with an orientation to oral anatomy and completion of acceptable full-mouth surveys, panoramic, occlusal, periapical, and bitewing radiographs on dental clients of all ages.

DNHY 320S. PHARMACOLOGY. 2 Credits.
Pre-requisites: admission to DNHY Program.
This course focuses on the principles of pharmacological and therapeutic action of drugs and provides the student necessary knowledge to assess the medical conditions, adverse side effects, and drug interactions that may interfere with the management and dental treatment of an individual.

DNHY 321S. PERIODONTOLOGY I. 2 Credits.
Pre-requisites: admission to DNHY Program.
A detailed study of the various periodontal diseases, with emphasis on histological and clinical recognition as well as treatment of the diseases.

DNHY 330S. PRE-CLINIC. 5 Credits.
Pre-requisites: admission to DNHY Program.
This course introduces the basic principles for clinical dental hygiene treatment using the dental hygiene process of care. Focus is on the integration of didactic and clinical skills.

DNHY 341S. MANAGEMENT OF MEDICALLY COMPROMISED. 3 Credits.
Pre-requisites: admission to DNHY Program.
This course covers medical diseases and conditions with emphasis on providing comprehensive client care and management of the medically compromised patients who elect to or require dental care for optimal health and function.
DNHY 350S. CLINIC I. 5 Credits.
Pre-requisites: DNHY 330S.
This is the first course in supervised experience in clinical procedures and builds upon pre-clinical learning with emphasis on refining basic skills, acquiring new skills, and using the dental hygiene process of care to provide supervised client care.

DNHY 360S. DISEASE PREVENTION STRATEGIES. 2 Credits.
Pre-requisites: admission to DNHY Program.
This course introduces current theories, knowledge, and evidence-based practices of oral health education, nutrition and disease prevention.

DNHY 380S. RESTORATIVE DENTISTRY I. 5 Credits.
Pre-requisites: admission to DNHY Program.
This comprehensive lecture and laboratory course provides the dental hygiene student an opportunity to acquire knowledge and skills associated with dental materials and restorative expanded functions specifically the selection, manipulation and placement of dental materials.

DNHY 421S. PAIN MANAGEMENT. 3 Credits.
Pre-requisites: admission to DNHY Program.
Lecture/laboratory experiences provide the student an understanding of the history, theory and use of nitrous oxide sedation and local anesthetic agents. Pharmacology, emergency prevention and management, equipment safety, client management, safe administration, client comfort and student-operator decision making are emphasized.

DNHY 430S. GENERAL AND ORAL PATHOLOGY. 2 Credits.
Pre-requisites: admission to DNHY Program.
A histopathological study of oral lesions, pathogenic conditions of significance to dentistry and principles of general pathology. Topics include: basic principles of the disease process, overview of systems pathology, cell and tissue responses in inflammation, immunology, cell injury, cell adaptation, wound healing and neoplasia.

DNHY 441S. SPECIAL POPULATIONS. 1 Credit.
Pre-requisites: admission to DNHY Program.
This course provides students with specialized knowledge of the physical, mental, medical, social, and dental needs of individuals with a developmental or acquired condition. Students work collaboratively to examine issues including access to care and communication related to special populations across the lifespan.

DNHY 442S. PERIODONTOLOGY II. 1 Credit.
Pre-requisites: DNHY 321S.
A continued study of the recognition and treatment of periodontal diseases, with an emphasis on surgical components and advanced periodontal treatments, related to dental hygiene practice.

DNHY 446S. ADVANCED PERIODONTOLOGY. 1 Credit.
Pre-requisites: admission to DNHY Program.
This course focuses on advanced periodontal procedures that the dental hygienist may see or perform in a periodontal office.
DNHY 450S. CLINIC II. 5 Credits.
**Pre-requisites:** DNHY 330S.
This second course of supervised experience in clinical procedures builds upon previous learning with emphasis on integrating basic skills, acquiring advanced skills, and synthesizing knowledge through comprehensive case management using the dental hygiene process of care.

DNHY 451S. CLINIC III. 5 Credits.
**Pre-requisites:** DNHY 450S.
This third course of supervised experience in clinical procedures builds upon previous learning with emphasis on refining basic skills, integrating advanced skills, and synthesizing knowledge through comprehensive case management using the dental hygiene process of care.

DNHY 452S. CLINIC IV. 5 Credits.
**Pre-requisites:** DNHY 450S and DNHY 451S.
This fourth course of supervised experience in clinical procedures continues to build upon previous learning with emphasis on mastering basic skills, integrating advanced skills, and synthesizing knowledge through comprehensive case management using the dental hygiene process of care.

DNHY 454S. STRATEGIES IN RISK AND PRACTICE MANAGEMENT. 2 Credits.
**Pre-requisites:** admission to DNHY Program.
This course focuses on development of skills to obtain a dental hygiene position, interview styles, setting up a dental practice and identification of potential risks in the delivery of oral care.

DNHY 460S. DENTAL PUBLIC HEALTH. 2 Credits.
**Pre-requisites:** admission to DNHY program.
A comprehensive introduction to public health practices including application of the principles, terminology and techniques of community dental health through serving the needs of the community in various settings. First in a two-course series, students complete the assessment and planning phases in developing a community health program.

DNHY 461S. EXPERIENCES IN DENTAL PUBLIC HEALTH. 1 Credit.
**Pre-requisites:** DNHY 460S.
This second course in a two-semester series in dental public health further develops the concepts of dental public health and public health experiences. Students continue public health experience in various community settings and complete implementation and evaluation phases of a community health program. Outcomes are disseminated through presentation at a research venue. Students engage in the public health arena in developing a virtual oral health coalition.

DNHY 470S. RESEARCH. 2 Credits.
This course focuses on the basic principles of research and the facilitation of the development of analytical skills for evaluation of professional research. Design of a professional research project relevant to a PICO question is conducted with dissemination via presentation at a regional or national venue.

DNHY 475S. CLINICAL EDUCATION STRATEGIES. 1 Credit.
**Pre-requisites:** admission to DNHY program.
This course focuses on providing clinical teaching methodology, learning styles and teaching philosophy to a novice educator. Students are assigned teaching opportunities under the direction of the course instructor.
DNHY 477S. LEADERSHIP AND PROFESSIONAL DEVELOPMENT. 1 Credit.
Pre-requisites: admission to DNHY program.
This course focuses on the development of leadership skills and personal attributes needed to fulfill the professional roles of the dental hygienist.

DNHY 480S. RESTORATIVE DENTISTRY II. 3 Credits.
Pre-requisites: DNHY 380S.
This second course of a three-semester sequence in clinical restorative dental hygiene is comprised of lectures, restorative clinic and laboratory experiences designed to facilitate the student's knowledge of various restorative materials, clinical procedures, and development of restorative manipulative skills.

DNHY 481S. RESTORATIVE DENTISTRY III. 3 Credits.
Pre-requisites: DNHY 480S.
This is the third semester course of a three-semester sequence in clinical restorative practice. The course is comprised of lectures, restorative clinics, and laboratory experiences, which are designed to facilitate the student's knowledge of various restorative materials and clinical procedures as well as the development of restorative manipulative skills.

DNHY 482S. ADVANCED RESTORATIVE. 1 Credit.
Pre-requisites: DNHY 380S, DNHY 480S, DNHY 481S.
This course focuses on the role of the restorative dental hygienist in a variety of practice settings.

DNHY 484S. PRINCIPLES OF ADVOCACY AND ETHICS. 2 Credits.
Pre-requisites: admission to DNHY program.
This course focuses on the student's exposure to the ethical and legal principles guiding the decision-making and the practice of dental hygiene and their role as a leader in advocacy for the dental hygiene profession.

DNHY 490S. DENTAL HYGIENE CAPSTONE. 4 Credits.
Pre-requisites: acceptance to the BSDH degree completion program.
Satisfies: senior capstone university graduation requirement.
This course incorporates the major learning themes of the dental hygiene degree completion curriculum resulting in a student-generated culminating capstone project/essay.