

DENTAL HYGIENE (DHY)

DHY 1010 – Dental Hygiene Preclinic

4 Credit hours

Provides clinical application procedures in prevention, recognition, and treatment of oral diseases. Emphasis is placed on infection control, instrumentation, and basic clinical skills. "C" grade policy applies.

Prerequisites: Acceptance into the Dental Hygiene Program.

Corequisites: BIO 1110, COM 1110, DHY 1511, DHY 1200, DHY 1460.

DHY 1019 – Nitrous Oxide Sedation

0.5 Credit hours

Provides basic principles of nitrous oxide minimal sedation for dental professionals. Emphasis is given to assessing patients and the clinical set up for dental assistant monitoring and/or dental hygienist administration of nitrous oxide in accordance with the Ohio State Dental Board (OSDB) requirements. Must have current CPR for the Healthcare Provider Certified or BHS-1131 as per OSDB. Must have instructor or program chair permission to register. The course satisfies 7.5 hours of continuing education (CE) requirements for Ohio license renewal. This course is graded S/U.

DHY 1030 – Dental Hygiene Clinic I

3 Credit hours

Provides an opportunity for the student to develop the ability to assess individual patient needs, plan and provide dental hygiene care and instruction necessary to treat and/or prevent oral diseases. "C" grade policy applies.

Prerequisites: BIO 1110, DHY 1010, DHY 1200, DHY 1460, DHY 1511, COM 1110.

Corequisites: BHS 1330, BIO 1120, DHY 1301, DHY 1521, DHY 1660.

DHY 1200 – Orofacial Anatomy

2 Credit hours

Provides a study of orofacial anatomy with emphasis on dental nomenclature, head and neck anatomy, and dental anatomy. "C" grade policy applies.

Prerequisites: Acceptance into the Dental Hygiene Program.

Corequisites: BIO 1110, COM 1110, DHY 1010, DHY 1460, DHY 1511.

DHY 1301 – Oral Histology and Pathology

3 Credit hours

Provides a study of the growth, development, and microscopic anatomy of the teeth and surrounding structures as well as a study of the pathological processes of the human body and their manifestations in the oral cavity. Emphasis is placed on recognition and identification of oral lesions and conditions utilizing clinical, radiographic, and histologic media. Interpreting case studies and the development of a case study portfolio enhance students' understanding and applicability of course material. "C" grade policy applies.

Prerequisites: BIO 1110, DHY 1010, DHY 1200, DHY 1460, DHY 1511, COM 1110.

Corequisites: BHS 1330, BIO 1120, DHY 1030, DHY 1521, DHY 1660.

DHY 1460 – Oral Radiography

3 Credit hours

Provides a study of the concepts of radiobiologic imaging including components of the x-ray machine, x-ray production, and attenuation. Instruction on and practice with exposing, processing, mounting, assessing, interpreting and duplicating extraoral and intraoral radiographs with emphasis on the parallel technique is incorporated into this course. Principles of radiation safety and protection in conjunction with quality assurance are stressed. "C" grade policy applies.

Prerequisites: Acceptance into the Dental Hygiene Program.

Corequisites: BIO 1110, COM 1110, DHY 1010, DHY 1200, DHY 1511.

DHY 1469 – Oral Radiography for the Dental Team

0.5 Credit hours

Provides a study of oral radiographic principles and interpretation leading to certification of the dental assistant through the Ohio State Dental Board. The clinical requirement must be met at the participant's dental office under the supervision of the employer dentist within 60 days of the completion of this course. Application then must be made to the Ohio State Dental Board. Must have instructor or program chair permission to register. In addition, this course satisfies 7.5 hours of continuing education requirements for license renewal for dental hygienists and dentists. This course is graded S/U.

DHY 1511 – Preventive Concepts I

3 Credit hours

Provides an introduction to the principles and techniques used in the recognition and primary treatment in oral diseases. Additionally, this course assists the student in developing skills to treat a diverse population of individuals including those that are physically and mentally compromised.

Prerequisites: Acceptance into the Dental Hygiene program.

Corequisites: BIO 1110, COM 1110, DHY 1010, DHY 1200, DHY 1460.

DHY 1521 – Preventive Concepts II

3 Credit hours

Provides a continuation of the study of principles and techniques used in the prevention, recognition, and initial treatment of oral diseases. Emphasis is placed on the further development of skills to communicate, plan treatment for, manage, and educate the physically and mentally compromised patients. Additionally, the role of research and its importance to dental hygiene will be introduced. "C" grade policy applies.

Prerequisites: BIO 1110, DHY 1010, DHY 1200, DHY 1460, DHY 1511, COM 1110.

Corequisites: BHS 1330, BIO 1120, DHY 1030, DHY 1301, DHY 1660.

DHY 1529 – Oral Health Access Supervision

0.5 Credit hours

Prepares dental hygienists to properly and safely practice dental hygiene under the Oral Health Access Supervision Program in accordance with the Ohio State Dental Board requirements. Student must be a graduate dental hygienist or dentist. Must have permission of instructor or program chair to register. This course satisfies 8 hours of continuing education (CE) requirements for Ohio license renewal. This course is graded S/U.

DHY 1660 – Pain Control Management

2 Credit hours

Provides the basic concepts of pain anxiety for the provision of safe and effective dental hygiene treatment. "C" grade policy applies.

Prerequisites: BIO 1110, DHY 1010, DHY 1200, DHY 1460, DHY 1511, COM 1110.

Corequisites: BHS 1330, BIO 1120, DHY 1030, DHY 1301, DHY 1521.

DHY 1669 – Local Anesthesia for Hygienist**2 Credit hours**

Provides the basic concepts of the administration of local anesthesia for pain control for the licensed dental professional. Within 18 months of the completion of this course, participants must successfully complete a state or regional written examination on local anesthesia approved by the Ohio State Dental Board. Must have RDH or DDS valid license, current CPR for the Healthcare Provider Certified or BHS-1311 as per OSDB and permission of instructor or program chair to register. This course satisfies 15 hours of continuing education (CE) requirements for Ohio license renewal. This course is graded S/U.

DHY 1990 – Independent Study in DHY**1-3 Credit hours**

Provides an opportunity for additional instruction to enhance the success of students earning an Associate Degree in Dental Hygiene. This course is graded S/U.

DHY 2010 – Dental Hygiene Clinic II**4 Credit hours**

Provides a continuation of DHY 1030 and increases the student's theoretical knowledge and application of techniques used in the treatment and prevention of oral diseases. "C" grade policy applies.

Prerequisites: BHS 1330, BIO 1120, BIO 1400, CHM 1120, DTN 1220, DHY 1030, DHY 1301, DHY 1521, DHY 1660

Corequisites: DHY 2140, DHY 2340, DHY 2510, PSY 1010.

DHY 2020 – Dental Hygiene Clinic III**4 Credit hours**

Provides a continuation of DHY 2010 and expands upon the student's theoretical knowledge in the application of techniques with emphasis on providing total patient care and preventing oral disease. "C" grade policy applies.

Prerequisites: DHY 2010, DHY 2140, DHY 2340, DHY 2510, PSY 1010.

Corequisites: DHY 2540, DHY 2662, DHY 2770, SOC 1010.

DHY 2140 – Dental Materials**2 Credit hours**

Provides a study of the composition, chemical and physical properties and application of dental materials commonly used in the dental office and laboratory. This knowledge is essential if the student is to communicate properly with other members of the dental team and to adequately perform thorough patient education and preventative oral health care. "C" grade policy applies.

Prerequisites: BHS 1330, BIO 1120, BIO 1400, CHM 1120, DTN 1220, DHY 1030, DHY 1301, DHY 1521, DHY 1660.

Corequisites: DHY 2010, DHY 2340, DHY 2510, PSY 1010.

DHY 2340 – Periodontology**2 Credit hours**

Provides a study of clinical assessment of periodontal disease, its etiology, classification, principles of treatment, and prevention of periodontal disease. "C" grade policy applies.

Prerequisites: BHS 1330, BIO 1120, BIO 1400, CHM 1120, DTN 1220, DHY 1030, DHY 1301, DHY 1521, DHY 1660.

Corequisites: DHY 2010, DHY 2140, DHY 2510, PSY 1010.

DHY 2510 – Preventive Concept III**2 Credit hours**

Provides a study of advanced theory and practice used in the treatment and prevention of oral disease. "C" grade policy applies.

Prerequisites: BHS 1330, BIO 1120, BIO 1400, CHM 1120, DTN 1220, DHY 1030, DHY 1301, DHY 1521, DHY 1660.

Corequisites: COM 2110, DHY 2010, DHY 2140, DHY 2340, PSY 1010.

DHY 2540 – Dental Hygiene Capstone Course  **1 Credit hour**

Provides an opportunity for the prospective graduate to demonstrate achievement of the program's learning outcomes and competencies as well as the college's general education core skills and abilities. A major component of this course will facilitate a team approach to patient care and cultural diversity through an interdisciplinary team case study project. Psychomotor skills will also be demonstrated. Other elements are a final electronic portfolio writing assignment and the completion of selected Collegiate Assessment of Academic Proficiency tests. "C" grade policy applies.

Prerequisites: DHY 2010, DHY 2140, DHY 2340, DHY 2510.

Corequisites: DHY 2020, DHY 2662, DHY 2770, SOC 1010.

DHY 2662 – Current Concepts **1 Credit hour**

Prepares students to take licensing examinations and to better understand and appreciate the legal and ethical responsibilities of licensure. Current trends and issues impacting the profession of dental hygiene as well as career opportunities in traditional and non-traditional settings are discussed. The advantage of advanced education and necessity for life-long learning are expounded upon. At the end of this course, students will develop, solve, and present an ethical case study for submission to his/her college electronic portfolio. "C" grade policy applies.

Prerequisites: DHY 2010, DHY 2140, DHY 2340, DHY 2510, PSY 1010.

Corequisites: DHY 2020, DHY 2540, DHY 2770, SOC 1010.

DHY 2770 – Community Dental Health**2 Credit hours**

Provides an introduction to basic principles of public health as they relate to the profession of dental hygiene. Methods of dental biostatistics and epidemiology will be introduced as well as the purposes and functions of public health agencies. Emphasis is given to assessing, planning, implementing, and evaluating community dental health projects. Additionally, the methodology and resources for teaching dental health to groups in various community settings will be introduced. Extramural experiences consist of assessment, planning, implementation, and evaluation of dental education programs as well as participation in scheduled community activities. "C" grade policy applies.

Prerequisites: DHY 2010, DHY 2140, DHY 2340, DHY 2510, PSY 1010

Corequisites: DHY 2020, DHY 2662, SOC 1010.