

Dental Hygiene (DHYG)

Courses

DHYG 121 Clinical Dental Hygiene I: Pre-Clinic* (5 Hours)

Prerequisites: Admission to the Dental Hygiene Program and BIOL 140 and BIOL 230 and BIOL 231 and CHEM 122 and ENGL 121 and PSYC 130

Corequisites: DHYG 125 and DHYG 135 and DHYG 138

Prerequisites or corequisites: SOC 122 (All BIOL, CHEM, and DHYG courses must be completed with a grade of "C" or higher.)

This course will include information and techniques relating to the history, development, current status and future of the profession of dental hygiene. Students will be introduced to fundamental dental hygiene services, instrumentation, client assessment, preventive treatment, transmissible diseases, principles of infection control and prevention. 2 hrs. lecture, 14 hrs. lab/wk.

DHYG 125 Developmental Dentistry* (2 Hours)

Prerequisites: Admission to the Dental Hygiene Program and BIOL 140 and BIOL 230 and BIOL 231 and CHEM 122 and ENGL 121 and PSYC 130

Corequisites: DHYG 121 and DHYG 135 and DHYG 138

Prerequisites or corequisites: SOC 122 (All BIOL, CHEM, and DHYG courses must be completed with a grade of "C" or higher.)

This course will include a study of embryology, oral histology, developmental disturbances of the oral cavity and related structures, dental morphology and occlusion. 2 hrs. lecture/wk.

DHYG 135 Dental Materials* (2 Hours)

Prerequisites: Admission to the Dental Hygiene Program and BIOL 140 and BIOL 230 and BIOL 231 and CHEM 122 and ENGL 121 and PSYC 130

Corequisites: DHYG 121 and DHYG 125 and DHYG 138

Prerequisites or corequisites: SOC 122 (All BIOL, CHEM, and DHYG courses must be completed with a grade of "C" or higher.)

This course is designed to provide students with a knowledge base of the science and physical properties of dental materials. Through laboratory exercises, students will have hands-on experience with dental materials used in dental hygiene and dentistry while applying their knowledge of dental material sciences. 1 hr. lecture, 2 hrs. lab/wk.

DHYG 138 Head and Neck Anatomy* (2 Hours)

Prerequisites: Admission to the Dental Hygiene Program and BIOL 140 and BIOL 230 and BIOL 231 and CHEM 122 and ENGL 121 and PSYC 130

Corequisites: DHYG 121 and DHYG 125 and DHYG 135

Prerequisites or corequisites: SOC 122 (All BIOL, CHEM, and DHYG courses must be completed with a "C" or higher.)

This course is designed to provide dental hygiene students with the basic anatomical foundations to support clinical course work. Topics to be covered include the skull, muscles, and vascular, glandular, lymphatic and nervous systems of the head and neck. 2 hrs. lecture/wk.

DHYG 140 Clinical Dental Hygiene II* (4 Hours)

Prerequisites: DHYG 121 and DHYG 125 and DHYG 135 and SOC 122

Corequisites: DHYG 142 and DHYG 146 and DHYG 148

Prerequisites or corequisites: BIOL 225 (All BIOL, CHEM, and DHYG courses must be completed with a grade of "C" or higher.)

The course will include clinical application of dental hygiene techniques and instrumentation, oral health products, patient motivation and educational techniques, preventive strategies including use of an intraoral clinic camera, and an introduction to selected dental specialties. Students will be prepared for medical and dental emergencies that may be encountered in various practice settings. An introduction to the dental hygiene process of care (ADPIED) and working with special-needs patient populations will be provided. 2 hrs. lecture/8 hrs.clinic/wk.

DHYG 142 Dental Radiography* (2 Hours)**Prerequisites:** DHYG 121 and DHYG 125 and DHYG 135 and DHYG 138**Corequisites:** DHYG 140 and DHYG 146 and DHYG 148**Prerequisites or corequisites:** BIOL 225 (All BIOL, CHEM, and DHYG courses must be completed with a grade of "C or higher.)

This course prepares the dental hygiene student to expose, process and critique intra and extraoral radiographs for clinical practice. Emphasis is placed on technique and individual patient radiographic need using standardized As Low As Reasonably Achievable (ALARA) concepts. Students process, mount and evaluate radiographs for diagnostic value associated with patient care. Radiation production, biology and safety are required for students to make informed decisions and adjustments for optimum patient care. 1 hr. lecture, 3 hrs. lab/wk.

DHYG 146 Periodontics* (3 Hours)**Prerequisites:** DHYG 121 and DHYG 125 and DHYG 135 and DHYG 138**Corequisites:** DHYG 140 and DHYG 142 and DHYG 148**Prerequisites or corequisites:** BIOL 225 (All BIOL, CHEM, and DHYG courses must be completed with a grade of "C or higher.)

This course provides the dental hygiene student with an in-depth study of periodontal disease including the inflammatory process and its relationship to pathogenesis of periodontal disease; identification of etiological factors; classification of periodontal disease following a complete periodontal assessment; recognition of gingival conditions and risk assessment; description of periodontal surgical procedures; the recognition of periodontal emergencies; and the effectiveness of plaque control and nonsurgical periodontal therapy. 3 hrs. lecture/wk.

DHYG 146H HON: Periodontics (1 Hour)

One-credit hour honors contract is available to qualified students who have an interest in a more thorough investigation of a topic related to this subject. An honors contract may incorporate research, a paper, or project and includes individual meetings with a faculty mentor. Student must be currently enrolled in the regular section of the courses or have completed it the previous semester. Contact the Honors Program Office, COM 201, for more information.

DHYG 148 Dental Health Education* (2 Hours)**Prerequisites:** DHYG 121**Corequisites:** DHYG 140 and DHYG 142 and DHYG 146**Prerequisites or corequisites:** BIOL 225 and DHYG 135

This course is designed to provide students with a knowledge base in oral health promotion; disease prevention and control; the scientific research process; evaluation of research articles; goal and objective writing; cultural competency in oral health care; client assessment; evidence based decision making and product evaluation. Students will learn to apply this knowledge using educational methodology for individuals and groups, with special emphasis on behavior modification, compliance, communication and motivation. 1 hr. lecture, 2 hrs. lab/wk.

DHYG 221 Clinical Dental Hygiene III* (6 Hours)**Prerequisites:** DHYG 140 and BIOL 235**Corequisites:** DHYG 225 and DHYG 230 and DHYG 240

Students will continue development in the areas of patient management, preventive dental hygiene treatment and proficiency in clinical techniques through practical application. Current advances in dental hygiene services will also be introduced. 2 hrs. lecture, 16 hrs. clinic/wk.

DHYG 221H HON: Clinic Dental Hygiene III (1 Hour)

One-credit hour honors contract is available to qualified students who have an interest in a more thorough investigation of a topic related to this subject. An honors contract may incorporate research, a paper, or project and includes individual meetings with a faculty mentor. Student must be currently enrolled in the regular section of the courses or have completed it the previous semester. Contact the Honors Program Office, COM 201, for more information.

DHYG 225 General and Oral Pathology* (3 Hours)**Prerequisites:** DHYG 140 and DHYG 142 and DHYG 146 and DHYG 148 and BIOL 225 and BIOL 235**Corequisites:** DHYG 221 and DHYG 230 and DHYG 240 (All BIOL, CHEM, and DHYG courses must be completed with a grade of "C" or higher.)

This course prepares the student dental hygienist to determine when to consult, treat or refer clients with various disease, infection or physiological conditions. Students learn to recognize the signs, causes and implications of common pathological conditions including inflammatory responses, immune disorders, genetic disorders, developmental disorders of tissues and cysts, oral tissue trauma and neoplasm of the oral cavity. 3 hrs. lecture/wk.

DHYG 225H HON: General and Oral Pathology (1 Hour)

One-credit hour honors contract is available to qualified students who have an interest in a more thorough investigation of a topic related to this subject. An honors contract may incorporate research, a paper, or project and includes individual meetings with a faculty mentor. Student must be currently enrolled in the regular section of the courses or have completed it the previous semester. Contact the Honors Program Office, COM 201, for more information.

DHYG 230 Dental Therapeutics* (3 Hours)

Prerequisites: DHYG 140 and BIOL 235

Corequisites: DHYG 221 and DHYG 225 and DHYG 240

This course will introduce the basic principles of drug actions, emphasizing dental-related therapeutics and drugs associated with common systemic disorders, information on the selection of professional products, and principles necessary in administering local anesthesia. 2 hrs. lecture, 2 hrs. lab/wk.

DHYG 240 Dental Public Health* (2 Hours)

Prerequisites: DHYG 140 and DHYG 142 and DHYG 146 and DHYG 148 and BIOL 225 and BIOL 235

Corequisites: DHYG 221 and DHYG 225 and DHYG 230 (All BIOL, CHEM, and DHYG courses must be completed with a grade of "C" or higher.)

This course facilitates the student's development as a responsible leader in public health programs. Topics include public health structure and global public health access, statistical procedures for critiquing scientific literature and epidemiology. Course content includes emphasis on the role of the dental hygienist in community health promotion, assessment, planning, implementation and evaluation using evidenced-based research. 2 hrs. lecture/wk.

DHYG 245 Nitrous Oxide Analgesia* (1 Hour)

Prerequisites: DHYG 221

Corequisites: DHYG 250

This course will concentrate on the principles of administering and monitoring nitrous oxide analgesia. Upon completion of the course, didactic and clinical proficiency in nitrous oxide analgesia will meet certification standards set by state dental boards. 1 hr. lecture, lab/wk.

DHYG 245H HON: Nitrous Oxide Analgesia (1 Hour)

One-credit hour honors contract is available to qualified students who have an interest in a more thorough investigation of a topic related to this subject. An honors contract may incorporate research, a paper, or project and includes individual meetings with a faculty mentor. Student must be currently enrolled in the regular section of the courses or have completed it the previous semester. Contact the Honors Program Office, COM 201, for more information.

DHYG 250 Clinical Dental Hygiene IV* (6 Hours)

Prerequisites: DHYG 221

Corequisites: DHYG 245

This course will offer continued development of proficiency in clinical techniques and current procedural practices of the dental hygienist with emphasis on self-evaluation. Topics will include ethics, jurisprudence, office management, current dental hygiene issues and preparation for board exams. 2 hrs. lecture, 16 hrs. clinic/wk., 1 hr. board review for first 8 wks.

DHYG 250H HON: Clinical Dental Hygiene IV (1 Hour)

One-credit hour honors contract is available to qualified students who have an interest in a more thorough investigation of a topic related to this subject. An honors contract may incorporate research, a paper, or project and includes individual meetings with a faculty mentor. Student must be currently enrolled in the regular section of the courses or have completed it the previous semester. Contact the Honors Program Office, COM 201, for more information.

DHYG 291 Independent Study* (1-7 Hour)

Prerequisites: 2.0 GPA minimum and department approval

Independent study is a directed, structured learning experience offered as an extension of the regular curriculum. It is intended to allow individual students to broaden their comprehension of the principles of and competencies associated with the discipline or program. Its purpose is to supplement existing courses with individualized, in-depth learning experiences. Such learning experiences may be undertaken independent of the traditional classroom setting, but will be appropriately directed and supervised by regular instructional staff. Total contact hours vary based on the learning experience.