

DENTAL HYGIENE (DEHYG)

DEHYG 1101

Principles in Dental Hygiene I

3 Credit Hours

Principles of disease transmission. Infection control policies, patient procedures, patient assessment and fundamental instrumentation for the dental hygienist. Foundation of knowledge and strategies of preventive dental hygiene practice. Emphasis on mechanical and chemical plaque control, use of fluoride and health promotion. (3 lecture hours)

Prerequisite: Admission into the Dental Hygiene program or consent of instructor.

DEHYG 1102

Principles in Dental Hygiene II

2 Credit Hours

Rationale for collection of assessment data and associated clinical procedures. Data collection. Use of instruments, dental sealants, topical fluorides, development of dental hygiene treatment plans. Introduction to direct patient care. (2 lecture hours)

Prerequisite: Admission to the Dental Hygiene program is required. DEHYG 1101 with a grade of C or better or consent of instructor.

DEHYG 1105

Dental Materials/Expanded Functions

3 Credit Hours

Physical and chemical properties of dental materials, characteristics and manipulation of impression materials, gypsum products, investments, waxes, cements, resins, metallic and non-metallic restorative agents. (2 lecture hours, 3 lab hours)

Prerequisite: Admission to the Dental Hygiene program is required. DEHYG 1101, DEHYG 1115, DEHYG 1120, DEHYG 1125, and DEHYG 1135, all with a grade of C or better or consent of instructor.

DEHYG 1112

Dental Radiology I

2 Credit Hours

Concepts of radiation history, radiation physics, radiation biology, radiation protection, dental X-ray equipment, film, image characteristics and film processing. Introduction to radiographic examination techniques. (1 lecture hour, 3 lab hours)

Prerequisite: Admission into the Dental Hygiene program or consent of instructor.

DEHYG 1115

Dental Tooth Anatomy and Morphology

2 Credit Hours

Emphasis on clinical appearance of oral structures, dental terminology, morphology of the permanent and primary dentition, patterns, and the occlusion and malocclusion within and between the dental arches. Review of dental anomalies and other clinical appearances. (1 lecture hour, 3 lab hours)

Prerequisite: Admission into the Dental Hygiene program or consent of instructor.

DEHYG 1120

Preclinical Dental Hygiene I

1 Credit Hour

Integration of the scientific and clinical principles underlying the practice of dental hygiene. Clinical procedures and techniques for patient assessment, including: prevention of disease transmission, health history, extra and intraoral examination, gingival evaluation and periodontal examination. Operation of the dental unit and basic instrumentation techniques for the removal of plaque and calculus are presented. (8 clinical hours)

Prerequisite: Admission into the Dental Hygiene program or consent of instructor.

DEHYG 1121

Clinical Dental Hygiene I

1 Credit Hour

Comprehensive examination procedures, charting and patient treatment. Adjunctive procedures are presented, dental caries preventive agent application and stain removal procedures. Integration of scientific and clinical principles underlying the practice of dental hygiene. Assessing, planning, implementing and evaluating dental hygiene care on patients in the clinical setting. (8 clinical hours)

Prerequisite: Admission into the Dental Hygiene program is required. DEHYG 1120 with a grade of C or better or consent of instructor.

DEHYG 1125

Head & Neck Anat: Histology & Embryology

2 Credit Hours

Organization, structure and function of the head and neck. Focus will be placed on histologic and embryologic development and structural microanatomy to gain an understanding of clinical and oral manifestations of the regions of the head and neck. (2 lecture hours)

Prerequisite: Admission into the Dental Hygiene program or consent of instructor.

DEHYG 1135

Applied Nutrition & Biochemistry

2 Credit Hours

Principles of nutrition and biochemistry applied to dental hygiene patient care. Skills in diet analysis and patient counseling. (2 lecture hours)

Prerequisite: Admission into the Dental Hygiene program or consent of instructor.

DEHYG 1136

General and Oral Pathology

2 Credit Hours

Pathology of the head and neck and oral structures. Specific pathologic processes, repair, healing and regressive changes. Developmental conditions, diseases of bacterial and viral origin, and neoplasms of the oral cavity. (2 lecture hours)

Prerequisite: Admission into the Dental Hygiene program is required. DEHYG 1101, DEHYG 1115, DEHYG 1120, DEHYG 1125, and DEHYG 1135, all with a grade of C or better or consent of instructor.

DEHYG 1145

Medical Emergencies in a Dental Office

1 Credit Hour

Familiarity with critical steps in prevention, preparation, early recognition and appropriate management of common medical emergencies in the dental office. (1 lecture hour)

Prerequisite: Admission to the Dental Hygiene program is required. DEHYG 1101, DEHYG 1115, DEHYG 1120, DEHYG 1125, and DEHYG 1135, all with grade of C or better or consent of instructor.

DEHYG 1840

Independent Study

1-4 Credit Hours

Exploration and analysis of topics within the discipline to meet individual student-defined course description, goals, objectives, topical outline, and methods of evaluation in coordination with, and approved by the instructor. This course may be taken four times for credit as long as different topics are selected. (1 to 4 lecture hours)

Prerequisite: Consent of instructor is required.

DEHYG 2201

Dental Hygiene Theory I

2 Credit Hours

Application of dental hygiene theory to direct patient care. Techniques and theory related to local anesthesia administration of local anesthetic agents. Emphasis of dental hygiene care of patients with various systemic, mental and physical disorders in the dental office setting. Introduction to use of heavy scaling hand instruments is included. (1 lecture hour, 3 lab hours)

Prerequisite: Admission into Dental Hygiene program is required. DEHYG 1102 with grade of C or better or consent of instructor.

DEHYG 2202

Dental Hygiene Theory II

2 Credit Hours

Application of dental hygiene theory to direct patient care. Overview of dental hygiene care of patients with various systemic and mental disorders. Presentation of periodontal cases is included. (2 lecture hours)

Prerequisite: Admission into the Dental Hygiene program is required. DEHYG 2201 with grade of C or better or consent of instructor.

DEHYG 2211

Periodontics I

2 Credit Hours

Periodontal anatomy. Physiology/etiology of periodontal diseases. Clinical, histopathogenesis of gingivitis/periodontitis. Role of genetics, tobacco use and systemic preventative/therapeutic procedures associated with diagnosis, prognosis, treatment and initial phase of periodontal therapy. (2 lecture hours)

Prerequisite: Admission into the Dental Hygiene Program is required. DEHYG 1102, DEHYG 1105, DEHYG 1112, DEHYG 1121, DEHYG 1135, and DEHYG 1145, all with a grade of C or better or consent of instructor.

DEHYG 2212

Periodontics II

2 Credit Hours

Description of clinical procedures associated with surgical phase of periodontal therapy. Evaluation of periodontal treatment, maintenance phase, and relationship between periodontics and other dental specialties. Discussion of clinical management of the periodontium and adjunctive therapies. (2 lecture hours)

Prerequisite: Admission into the Dental Hygiene program is required. DEHYG 2211 with a grade of C or better or consent of instructor.

DEHYG 2213

Dental Radiology II

2 Credit Hours

Advanced dental radiographic and related procedures including exposure and technique errors, occlusal and localization techniques, normal anatomy, panoramic films and radiography, extraoral radiography and digital radiography. Radiography for patients with special needs, introduction to radiographic interpretation: dental caries, periodontal disease, trauma and pulpal and periapical lesions. Introduction to forensic odontology. (1 lecture hour, 3 lab hours)

Prerequisite: Admission into the Dental Hygiene program is required. DEHYG 1112 with a grade of C or better or consent of instructor.

DEHYG 2222

Clinical Dental Hygiene II

1 Credit Hour

Continuation of clinical dental hygiene practice. Includes assessment, planning and implementation of patient care. Adjunctive clinical services include dental sealants, ultrasonic scaling, air polishing, topical fluoride treatments and dental radiographs. (8 clinical hours)

Prerequisite: Admission into the Dental Hygiene Program is required. DEHYG 1121 with a grade of C or better or consent of instructor.

DEHYG 2223

Clinical Dental Hygiene III

2 Credit Hours

Continuation of clinical dental hygiene practice. Includes assessment, planning and implementation of patient care. Adjunctive clinical services include dental sealants, ultrasonic scaling, air polishing, topical fluoride treatments, amalgam polishing, application of desensitizing agents and dental radiographs. Introduction to outside rotational experiences. (16 clinical hours)

Prerequisite: Admission into the Dental Hygiene program is required. DEHYG 2222 with grade of C or better or consent of instructor

DEHYG 2224

Clinical Dental Hygiene IV

2 Credit Hours

Continuation of clinical dental hygiene practice. Includes assessment, planning and implementation of patient care. Adjunctive clinical services include dental sealants, ultrasonic scaling, air polishing, topical fluoride treatments, amalgam polishing, application of desensitizing agents and dental radiographs. Administration of topical and local anesthetic agents. (16 clinical hours)

Prerequisite: Admission into the Dental Hygiene program is required. DEHYG 2223 with grade of C or better or consent of instructor.

DEHYG 2225

Review of Dental Literature

1 Credit Hour

Review and evaluation of dental literature for the contemporary dental hygienist. Focus on research methodologies and statistical analysis as it applies to dentistry. (1 lecture hour)

Prerequisite: Admission into the Dental Hygiene Program is required or consent of instructor.

DEHYG 2232

Community Dental Health I

2 Credit Hours

Dental hygienist's role in community. Epidemiological concepts, trends in oral diseases, research assessment tools, and strategies to improve public access to oral health care. Review of biostatistics, federal and state agencies, and managed care. (2 lecture hours)

Prerequisite: Admission into the Dental Hygiene program is required. DEHYG 2225 with grade of C or better or consent of instructor.

DEHYG 2233***Community Dental Health II***

2 Credit Hours

Creation, implementation, and evaluation of a dental health care program in the community. Presentation of projects to faculty and peers. (6 lab hours)

Prerequisite: Admission into the Dental Hygiene program is required. DEHYG 2232 or grade of C or better or consent of instructor.

DEHYG 2235***Dental Pharmacology & Local Anesthetics***

2 Credit Hours

Classifications and varieties of drugs, pharmacologic effects, adverse reactions, usual indications and contraindications. Discussion of drugs utilized to treat common diseases. Pharmacokinetics of local and general anesthetic agents, and their use. (2 lecture hours)

Prerequisite: Admission into the Dental Hygiene program is required. DEHYG 1115, DEHYG 1125, DEHYG 1135, DEHYG 1136, DEHYG 2211, and DEHYG 2222, all with a grade of C or better or consent of instructor.

DEHYG 2245***Ethics and Jurisprudence: Practice Manag***

2 Credit Hours

Preparation for professional role as health care provider and member of dental health team. Focus on ethical and legal responsibilities, dental practice act, malpractice issues, and scope of dental hygiene practice. (2 lecture hours)

Prerequisite: Admission into the Dental Hygiene program is required. DEHYG 2201 with a grade of C or better and DEHYG 2222 with a grade of C or better or consent of instructor.

DEHYG 2860***Internship (Career & Technical Ed)***

1-4 Credit Hours

Course requires participation in Career and Technical Education work experience with onsite supervision. Internship learning objectives are developed by student and faculty member, with approval of employer, to provide appropriate work-based learning experiences. Credit is earned by working a minimum of 75 clock hours per semester credit hour, up to a maximum of four credits. (5 to 20 lab hours)

Prerequisite: Consent of instructor and 2.0 cumulative grade point average, 12 semester credits earned in a related field of study, students work with Career Services staff to obtain approval of the internship by the dean from the academic discipline where the student is planning to earn credit.

DEHYG 2865 (DEHYG-REQ1)***Internship Advanced (Career & Tech Ed)***

1-4 Credit Hours

Continuation of Internship (Career and Technical Education). Course requires participation in Career & Technical Education work experience with onsite supervision. Internship learning objectives are developed by student and faculty member, with approval of employer, to provide appropriate work-based learning experiences. Credit is earned by working a minimum of 75 clock hours per semester credit hour, up to a maximum of four credits. (5 to 20 lab hours)

Prerequisite: Consent of instructor and 2.0 cumulative grade point average, 12 semester credits earned in a related field of study, students work with Career Services staff to obtain approval of the internship by the dean from the academic discipline where the student is planning to earn credit.