

# Dental Hygiene

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## Principles in Dental Hygiene I

DEHYG 1101 - 3 Credits

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. Prerequisite: Admission into the Dental Hygiene program or consent of instructor (3 lecture hours)

## Principles in Dental Hygiene II

DEHYG 1102 - 2 Credits

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. Prerequisite: Admission to the Dental Hygiene program is required. Dental Hygiene 1101 with a grade of C or better or consent of instructor (2 lecture hours)

## Dental Materials/Expanded Functions

DEHYG 1105 - 3 Credits

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. Prerequisite: Admission to the Dental Hygiene program is required. Dental Hygiene 1101, Dental Hygiene 1115, Dental Hygiene 1120, Dental Hygiene 1125 and Dental Hygiene 1135; all with a grade of C or better or consent of instructor (2 lecture hours, 3 lab hours)

## Dental Radiology I

DEHYG 1112 - 2 Credits

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. Prerequisite: Admission to Dental Hygiene program or consent of instructor (1 lecture hour, 3 lab hours)

## Dental Tooth Anatomy and Morphology

DEHYG 1115 - 2 Credits

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. Prerequisite: Admission to the Dental Hygiene program or consent of instructor (1 lecture hour, 3 lab hours)

## **Preclinical Dental Hygiene I**

**DEHYG 1120 - 1 Credits**

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

## **Clinical Dental Hygiene I**

**DEHYG 1121 - 1 Credits**

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

## **Head & Neck Anat: Histology & Embryology**

**DEHYG 1125 - 2 Credits**

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. Prerequisite: Admission to the Dental Hygiene program or consent of instructor (2 lecture hours)

## **Applied Nutrition & Biochemistry**

**DEHYG 1135 - 2 Credits**

Principles of nutrition and biochemistry applied to dental hygiene patient care. Skills in diet analysis and patient counseling. Prerequisite: Admission to the Dental Hygiene program or consent of instructor (2 lecture hours)

# Dental Hygiene

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## General and Oral Pathology

### DEHYG 1136 - 2 Credits

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. Prerequisite: Admission to the Dental Hygiene program is required. Dental Hygiene 1101, Dental Hygiene 1115, Dental Hygiene 1120, Dental Hygiene 1125 and Dental Hygiene 1135; all with a grade of C or better or consent of instructor (2 lecture hours)

## Medical Emergencies in a Dental Office

### DEHYG 1145 - 1 Credits

Familiarity with critical steps in prevention, preparation, early recognition and appropriate management of common medical emergencies in the dental office. Prerequisite: Admission to the Dental Hygiene program is required. Dental Hygiene 1101, Dental Hygiene 1115, Dental Hygiene 1120, Dental Hygiene 1124 and Dental Hygiene 1135; all with grade of C or better or consent of instructor (1 lecture hour)

## Independent Study

### DEHYG 1840 - 1-4 Credits

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. Prerequisite: Consent of instructor is required (1 to 4 lecture hours)

## Dental Hygiene Theory I

### DEHYG 2201 - 2 Credits

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. Prerequisite: Admission to Dental Hygiene program is required. Dental Hygiene 1102 with grade of C or better or consent of instructor (1 lecture hour, 3 lab hours)

## Dental Hygiene Theory II

### DEHYG 2202 - 2 Credits

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. Prerequisite: Admission to the Dental Hygiene program is required. Dental Hygiene 2201 with grade of C or better or consent of instructor (2 lecture hours)

## Periodontics I

### DEHYG 2211 - 2 Credits

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. Prerequisite: Admission to Dental Hygiene Program. Dental Hygiene 1102, Dental Hygiene 1105, Dental Hygiene 1112, Dental Hygiene 1121, Dental Hygiene 1135 and Dental Hygiene 1145; all with a grade of C or better or consent of instructor (2 lecture hours)

## Periodontics II

### DEHYG 2212 - 2 Credits

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 periodontum and adjunctive therapies. Prerequisite: Admission to Dental Hygiene program is required. Dental Hygiene 2211 with a grade of C or better or consent of instructor (2 lecture hours)

## Dental Radiology II

### DEHYG 2213 - 2 Credits

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. Prerequisite: Admission to Dental Hygiene program is required. Dental Hygiene 1112 with a grade of C or better or consent of instructor (1 lecture hour, 3 lab hours)

## Clinical Dental Hygiene II

### DEHYG 2222 - 1 Credits

Continuation of clinical dental hygiene practice. Includes assessment, planning and implementation of patient care. Adjunctive clinical services include dental sealants, ultrasonic scaling, air polishing,

# Dental Hygiene

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topical fluoride treatments and dental radiographs. Prerequisite: Admission to Dental Hygiene Program is required. Dental Hygiene 1121 with a grade of C or better or consent of instructor.

## Clinical Dental Hygiene III

DEHYG 2223 - 2 Credits

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

## Clinical Dental Hygiene IV

DEHYG 2224 - 2 Credits

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

## Review of Dental Literature

DEHYG 2225 - 1 Credits

Review and evaluation of dental literature for the contemporary dental hygienist. Focus on research methodologies and statistical analysis as it applies to dentistry. Prerequisite: Admission to Dental Hygiene is required or consent of instructor (1 lecture hour)

## Community Dental Health I

DEHYG 2232 - 2 Credits

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. Prerequisite: Admission to Dental Hygiene program is required. Dental Hygiene 2225 with grade of C or better or consent of instructor (2 lecture hours)

## Community Dental Health II

### DEHYG 2233 - 2 Credits

Creation, implementation, and evaluation of a dental health care program in the community. Presentation of projects to faculty and peers. Prerequisite: Admission to the Dental Hygiene program is required. Dental Hygiene 2232 or grade of C or better or consent of instructor (6 lab hours)

## Dental Pharmacology & Local Anesthetics

### DEHYG 2235 - 2 Credits

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. Prerequisite: Admission to Dental Hygiene program is required. Dental Hygiene 1115, Dental Hygiene 1125, Dental Hygiene 1135, Dental Hygiene 1136, Dental Hygiene 2211, and Dental Hygiene 2222; all with a grade of C or better or consent of instructor (2 lecture hours)

## Ethics and Jurisprudence: Practice Manag

### DEHYG 2245 - 2 Credits

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. Prerequisite: Admission to the Dental Hygiene program is required. Dental Hygiene 2201 with a grade of C or better or equivalent and Dental Hygiene 2222 with a grade of C or better or equivalent or consent of instructor (2 lecture hours)

## Internship (Career & Technical Ed)yCoop Ed/Internship Occup

### DEHYG 2860 - 1-4 Credits

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. Prerequisite: 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 Associate Dean from the academic discipline where the student is planning to earn credit.

# Dental Hygiene

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## Internship Advanced (Career & Tech Ed)

### DEHYG 2865 - 1-4 Credits

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. Prerequisite: 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 Associate Dean from the academic discipline where the student is planning to earn credit.