

## DHY Dental Hygiene

### DHY 100 Pre-Clinic (3-6)

5 crs.

Introduces the student to clinical dental hygiene with emphasis on the role of the dental hygienist in the control and prevention of dental disease. NOTE: Students must be admitted into the Dental Hygiene program to register for this course.

### DHY 101 Clinical Dental Hygiene I (2-9)

5 crs.

Applies theoretical concepts in a clinical setting and introduces periodontology. Refines clinical skills and emphasizes the preventive aspects of dentistry. The student performs traditional dental hygiene clinical functions.

**Prerequisite:** DHY 100, DHY 159, and DHY 161 with grades of C or better.

### DHY 111 Dental Radiology (2-3)

3 crs.

Provides theory in radiation physics, safety and the biological effects of ionizing radiation. Intraoral exposure techniques, darkroom procedures and film interpretation are emphasized in the laboratory. Practical experience provided on mannequins and selected patients.

**Prerequisite:** DHY 100, DHY 159, and DHY 161 with grades of C or better.

### DHY 119 Oral Health Management of Special Needs Populations (2-0)

2 crs.

Introduces characteristics and oral health management needs of geriatrics, special populations and the medically compromised with diabetes and cardiovascular disease. Physical, psycho/social and oral characteristics associated with special needs populations are discussed. Modifications of comprehensive dental hygiene care will be emphasized. The caregiver team concept will be incorporated.

**Prerequisite:** DHY 101, DHY 111, and DHY 190 with grades of C or better.

### DHY 151 Clinical Dental Hygiene II (0-6)

2 crs.

Provides clinical practice in oral prophylaxis on adult patients, including preventive techniques, exposing radiographs and patient management.

**Prerequisite:** DHY 101, DHY 111, and DHY 190 with grades of C or better.

### DHY 159 Head and Neck Anatomy (3-0)

3 crs.

Introduces anatomy of the head and neck regions with special emphasis on the human dentition. Skeletal, muscular, glandular, circulatory, nervous and epithelial structures are considered in detail. Also includes introductory material on human histology and orofacial embryology. NOTE: Students must be admitted into the DHY program to register for this course.

### DHY 161 Dental Anatomy (1-2)

2 crs.

Introduces the student to terms and anatomic structures of the oral cavity including a detailed study of crown and root morphology of both primary and permanent dentitions. NOTE: Students must be admitted into the Dental Hygiene program to register for this course.

### DHY 190 General and Oral Pathology (2-0)

2 crs.

Studies fundamentals of microscopic and gross pathology and general pathological processes. Specifically emphasizes diseases of dental and periodontal tissues and of the supporting oral structures. Correlates clinical manifestations of disease with dental hygiene practice.

**Prerequisite:** DHY 100, DHY 159, and DHY 161 with grades of C or better.

### DHY 200 Periodontology (1-2)

2 crs.

Reviews etiological and histological components of periodontal disease emphasizing current theoretical concepts in treatment and management of periodontally involved patients. Provides laboratory experience to refine non-surgical techniques.

**Prerequisite:** DHY 119, DHY 151, DHY 269, and DHY 270 with grades of C or better.

### DHY 201 Ethics, Jurisprudence and Practice Management (2-0)

2 crs.

Studies the development of dental office and clinic practice management procedures and professional interrelationships. Considers the role of the dental hygienist in the various dental specialties and various employment modalities.

**Prerequisite:** DHY 200, DHY 202, DHY 220, DHY 230, DHY 240, and DHY 250 with grades of C or better.

### DHY 202 Radiology I (0-2)

1 cr.

Continues practice in the techniques of exposing, processing, mounting and evaluating dental radiographs.

**Prerequisite:** DHY 119, DHY 151, DHY 269 and DHY 270 with grades of C or better.

### DHY 203 Radiology II (0-2)

1 cr.

Continues DHY 202.

**Prerequisite:** DHY 200, DHY 202, DHY 220, DHY 230, DHY 240 and DHY 250 with grades of C or better.

### DHY 220 Community Dental Health I (1-2)

2 crs.

Introduces the principles of dental public health and its application to dental hygiene, including: epidemiology, disease prevention, assessment methods, program planning and resource identification. Reviews and interprets dental scientific literature and introduces the utilization of research tools and statistical analysis.

**Prerequisite:** DHY 119, DHY 151, DHY 269 and DHY 270 with grades of C or better.

### DHY 221 Community Dental Health II (1-2)

2 crs.

Emphasizes the direct application of preventive dentistry services in the community and the design of treatment plans to meet identified community needs. Community fluoridation, school-based services, tobacco cessation, and consumer education and health promotion will be included. Students will be required to participate in group activities to share service learning experiences.

**Prerequisite:** DHY 200, DHY 202, DHY 220, DHY 230, DHY 240 and DHY 250 with grades of C or better.

### DHY 230 Pain Management (1-2)

2 crs.

Provides students with the basic and current concepts of local anesthetics and pain control and to provide for the safe and effective administration of local anesthetics. Includes the rationale for pain control, psychological considerations, armamentarium, anatomy, neurophysiology and pharmacology of anesthetic agents. Provides laboratory instruction and clinical practice in topical and local anesthetic techniques. Introduces the use and administration of nitrous oxide analgesia.

**Prerequisite:** DHY 119, DHY 151, DHY 269 and DHY 270 with grades of C or better.

### DHY 240 Dental Pharmacology (2-0)

2 crs.

Examines the principles of drug actions and characteristics of major drug groups. Emphasis is placed on drugs used in dentistry and the management of dental patients who receive drug treatment for medical problems.

**Prerequisite:** DHY 119, DHY 151, DHY 269 and DHY 270 with grades of C or better.

### DHY 250 Clinical Dental Hygiene III (1-12)

5 crs.

Continues clinical practice of dental hygiene with emphasis on the comprehensive treatment of periodontally involved patients.

**Prerequisite:** DHY 119, DHY 151, DHY 269 and DHY 270 with grades of C or better.

**DHY 251 Clinical Dental Hygiene IV (1-12) 5 crs.**

Continues DHY 250.

**Prerequisite:** DHY 200, DHY 202, DHY 220, DHY 230, DHY 240 and DHY 250 with grades of C or better.

**DHY 269 Science of Dental Materials (1-0) 1 cr.**

Studies the characteristics, properties, composition and function of materials used in dentistry. Includes familiarization with techniques and procedures used in the dental profession.

**Prerequisite:** DHY 101, DHY 111 and DHY 190 with grades of C or better.

**DHY 270 Dental Materials Laboratory Techniques (0-2) 1 cr.**

Introduces the student to the use and manipulation of materials used in dentistry, with an emphasis on the clinical application of materials that relate directly to the functions of the dental hygienist.

**Prerequisite:** DHY 101, DHY 111 and DHY 190 with grades of C or better.