

# DENTAL HYGIENE (DNHY)

## **DNHY 111, HEAD AND NECK ANATOMY/TOOTH MORPHOLOGY 2 (1)**

Study of the nomenclature, anatomical form, function, development, eruption and exfoliation, functional and occlusal relationships, and supporting structure of the human deciduous and permanent dentition. A detailed study of the structures of the cranial, facial, and cervical regions and the relationships of these structures to each other. Emphasis will be on the skull and facial bones, muscles, their origin, insertion, and action, the TMJ, blood vessels, lymphatics, cranial nerves, their locations and innervations, and all visceral organs of the head and neck. Laboratory required. (A special fee will be assessed). Prerequisite: Formal acceptance into the Dental Hygiene Program.

**General Education:** IN1

**Course Entry Requirement(s):** Prerequisite: Formal acceptance into the Dental Hygiene program; Corequisite: DNHY 121 and DNHY 124; Concurrent: BIOG 121 and CHMY 161

**Typically Offered:** Fall Semester

## **DNHY 121, DENTAL HYGIENE TECHNIQUES I 4 (8)**

This course is designed to prepare students for the clinical practice of dental hygiene. The history of the profession is studied as a foundation for current concepts. Professional ethics are emphasized throughout this course. Techniques are taught which develop skills necessary in performing oral prophylaxis and related procedures. Clinical laboratory required. (A special fee will be assessed). Prerequisite: Formal acceptance into the Dental Hygiene Program and American Heart Association Healthcare Provider CPR.

**General Education:** IN4

**Course Entry Requirement(s):** Prerequisite: Formal acceptance into the dental hygiene program and American Heart Association Healthcare Provider CPR; Corequisite: DNHY 111 and DNHY 124; Concurrent: BIOG 122 and BIOG 251

**Typically Offered:** Fall Semester

## **DNHY 122, DENTAL HYGIENE TECHNIQUES II 5 (11)**

This lecture/clinic course is designed as a continued study of techniques and principles for instrumentation. A study of anticarcinogenic agents and their properties of action are included. Business organization skills related to the dental clinic are incorporated. Clinical laboratory required. (A special fee will be assessed.)

**General Education:** IN4, IN5

**Course Entry Requirement(s):** Prerequisite: DNHY 111, DNHY 121, DNHY 124, BIOG 121 and CHMY 161; Corequisite: DNHY 125 and DNHY 131; Concurrent: BIOG 122 and BIOG 251

**Typically Offered:** Spring Semester

## **DNHY 123, DENTAL MATERIALS 2 (3)**

Study of the characteristics and physical properties of dental materials commonly used in the dental office. Laboratory sessions include exercises involving the use of cements, bases, waxes, rubber dam equipment, sealants, and amalgam polishing materials. Additional laboratory sessions include student partner exercises involving the use of impressions materials and fabrication of mouth guards and whitening/bleaching trays. Laboratory required. (A special fee will be assessed.)

**General Education:** IN1

**Course Entry Requirement(s):** Prerequisite: DNHY 122, DNHY 125, DNHY 131 BIOG 122 and BIOG 251; Corequisite: 131; Concurrent: BIOG 268

**Typically Offered:** Summer Semester

## **DNHY 124, DENTAL RADIOLOGY 3 (4)**

This course is designed with an emphasis on radiographic theory and technique: history and development of the X-ray, its nature and properties, safety precautions and uses of the X-ray in dentistry. Laboratory experience provides opportunity for practice in film placement, tube angulation, processing, and mounting. Laboratory required. (A special fee will be assessed).

**General Education:** IN1, IN2

**Course Entry Requirement(s):** Prerequisite: DNHY 111 and DNHY 121

**Typically Offered:** Fall Semester

## **DNHY 125, PERIODONTICS 2 (2)**

A study of periodontal disease including current concepts pertaining to etiology, pathogenesis, assessment, and treatment/management options. Additional information presented specific to non-surgical treatment of periodontal disease with an emphasis on root debridement and tooth methodology. (IN1)

**General Education:** IN1

**Course Entry Requirement(s):** Prerequisite: DNHY 111, DNHY 121 and DNHY 124, BIOG 121 and CHMY 161; Corequisite: DNHY 122 and DNHY 131; Concurrent: BIOG 122 and BIOG 251

**Typically Offered:** Spring Semester

## **DNHY 131, ORAL PATHOLOGY 2 (3)**

A study of the common areas of general pathology affecting the oral/paraoral structures and/or impact the management or the treatment of the dental patient. The student will apply knowledge gained in the didactic portion of the course through simulated case studies. There will also be simulated hands on experiences in recognizing pathology. Laboratory required. (A special fee will be assessed.)

**General Education:** IN1

**Course Entry Requirement(s):** Prerequisite: DNHY 111, DNHY 121, DNHY 124, BIOG 121 and CHMY 161; Corequisite: DNHY 122 and DNHY 125; Concurrent: BIOG 122 and BIOG 251

**Typically Offered:** Spring Semester

## **DNHY 133, DENTAL HYGIENE TECHNIQUES III 3 (7)**

Continued clinical experience with implementation of ultrasonic scaling. Emphasis is placed on the care and treatment for patients requiring root debridement and scaling. Implementation of a preventative oral health program for patients. In-depth examination of medical emergencies. Clinical laboratory required. (A special fee will be assessed.)

**General Education:** IN1

**Course Entry Requirement(s):** Prerequisite: DNHY 122, DNHY 125, DNHY 131, BIOG 122 and BIOG 251; Corequisite: DNHY 123; Concurrent: BIOG 268

**Typically Offered:** Summer Semester

## **DNHY 199, INTRO TO THE WORLD OF WORK - DNHY 1 (1)**

This course provides an internship-level supervised work experience with an approved employer. Emphasis is on career exploration to maximize sound career decisions. Students also explore the role of a college education in career preparation. Focus on self-examination of the world of work in terms of values, skills, and interests. Exploration of occupational paths for all majors, disciplines, examination of employer-employee expectations, preparation of resumes and development of interviewing skills are covered. Prerequisite: A student must have completed a minimum of 12 semester credit courses at LCCC (courses transferred are not counted), have earned a minimum 2.0 overall GPA; OR have divisional approval. (Maximum three 1" credit courses allowed).

**Course Entry Requirement(s):** A student must have completed a minimum of 12 semester credit courses at LCCC (courses transferred are not counted), have earned a minimum 2.0 overall GPA; OR have divisional approval. (Maximum three "1" credit courses allowed.)

**DNHY 221, DENTAL PHARMACOLOGY 2 (2)**

Classification of drugs with special emphasis on how drugs affect the dental hygienist's interaction with the patient, as well as those drugs commonly used in dentistry. Various aspects of pharmacology will be addressed including physical and chemical properties, pharmacokinetics, therapeutic effects, and adverse effects associated with each of the drug categories. The course will include a discussion of vasoconstrictors, local anesthetics, medical emergencies, and the dental hygienist's role in those emergencies.

**General Education:** IN2

**Course Entry Requirement(s):** Prerequisite: DNHY 123 and DNHY 133;  
Corequisite: DNHY 224; Concurrent: ENGL 161

**Typically Offered:** Fall Semester

**DNHY 224, DENTAL HYGIENE TECHNIQUES IV 4 (13)**

Continued clinical experience with emphasis placed on more advanced auxiliary procedures. Clinical laboratory required. (A special fee will be assessed.)

**General Education:** IN1, IN2, IN3, IN5

**Course Entry Requirement(s):** Prerequisite: DNHY 123 and DNHY 133;  
Corequisite: DNHY 221

**Typically Offered:** Fall Semester

**DNHY 231, COMMUNITY/DENTAL HYGIENE TRENDS 2 (3)**

Introduction to public health principles as they apply to the Dental Hygiene Profession in a community setting. A community field experience will allow opportunities for the student to plan, implement, and evaluate his/her own community based project. Laboratory required. (A special fee will be assessed.)

**General Education:** IN1, IN2, IN3, IN5

**Course Entry Requirement(s):** Prerequisite: DNHY 221 and DNHY 224,  
Corequisite: DNHY 235

**Typically Offered:** Spring Semester

**DNHY 235, DENTAL HYGIENE TECHNIQUES V 4 (13)**

Mastery of total dental patient care in clinic and at community affiliation sites. Clinical laboratory required. (A special fee will be assessed.)

**General Education:** IN1, IN2, IN3, IN4

**Course Entry Requirement(s):** Prerequisite: DNHY 221 and DNHY 224;  
Corequisite: DNHY 231

**Typically Offered:** Spring Semester

**DNHY 236, DENTAL HYGIENE PAIN MANAGEMENT I LECTURE 1 (1)**

This dental hygiene course will emphasize instruction in administering local anesthesia. Lecture information will cover theory and psychological aspects of pain control, anatomy, neurophysiology, pharmacology of local anesthetics and vasoconstrictors, systemic complications, medical emergencies, techniques of maxillary and mandibular anesthesia, armamentarium and their preparation, infection control, and legal considerations.

**General Education:** IN1, IN2, IN5

**Course Entry Requirement(s):** Prerequisite: DNHY 111, 121 and 124;  
Corequisite: DNHY 122, 125 and 131

**DNHY 237, DENTAL HYGIENE PAIN MANAGEMENT II LAB 1 (2)**

This dental hygiene course will emphasize instruction in administering local anesthesia. The laboratory experience will provide opportunities for hands-on exercises in preparing armamentarium and in administering different techniques of local anesthesia.

**General Education:** IN1, IN2, IN5

**Course Entry Requirement(s):** Prerequisite: DNHY 236 or DNHY 290;  
Corequisite: DNHY 123 and 133

**Typically Offered:** Summer Semester

**DNHY 299, INDIVIDUALIZED STUDIES - DNHY 1-2 (1)**

An in-depth study of areas in Dental Hygiene through discussion and/or individual research and reading. Topics will vary. Repeatable up to a total of four (4) credit hours. Prerequisite: Second year standing and divisional approval.

**Course Entry Requirement(s):** Prerequisite: Second year standing and divisional approval

**Typically Offered:** Offer as required