

DENTAL HYGIENE (DNHY)

DNHY 111, HEAD AND NECK ANATOMY/TOOTH MORPHOLOGY 2 (3)

Study of the human deciduous and permanent dentition to include the nomenclature, morphology, form, function, development, eruption and exfoliation. Dental morphology provides detailed working knowledge of individual teeth, supporting structures with emphasis on functional and static occlusal relationships. Tooth identification, dental anomalies with clinical considerations are introduced. Topics in oral histology and embryology of the oral-facial complex, dental tissue development, oral mucous membrane, tongue, salivary glands. Emphasis will be on the cranial and facial bones, muscles, the TMJ, blood vessels, lymphatics, cranial nerves, their locations and innervations and structures of the head and neck. A laboratory is required to include study of these topics. (A special fee will be assessed.)

General Education: GEO1, GEO2

Course Entry Requirement(s): Prerequisite: Formal acceptance into the Dental Hygiene program; Corequisite: DNHY 121 and DNHY 124; Concurrent: BIOG 221 and CHMY 161

Typically Offered: Fall Semester

DNHY 121, DENTAL HYGIENE TECHNIQUES I 4 (10)

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 the course. Techniques are taught which develop skills necessary in performing oral prophylaxis and related clinical procedures. Clinical practicum and separate laboratory required. (A special fee will be assessed.)

General Education: GEO2, GEO4, GEO5

Course Entry Requirement(s): Prerequisite: Formal acceptance into the dental hygiene program and American Heart Association Healthcare Provider CPR certification; Corequisite: DNHY 111 and DNHY 124; Concurrent: BIOG 221 and CHMY 161

Typically Offered: Fall Semester

DNHY 123, DENTAL MATERIALS 2 (3)

This course is intended to give the student knowledge of topics in dental restorative and working materials. This course covers materials science, impression materials, dental study models, bleaching trays and materials, cements, adhesives, amalgam polishing, sealants and composite restorative materials. Laboratory required. (A special fee will be assessed.)

General Education: GEO1, GEO2

Course Entry Requirement(s): Prerequisite: DNHY 125, DNHY 126, DNHY 131, BIOG 222 and BIOG 251; Corequisite: DNHY 133 and DNHY 134

Typically Offered: Summer Semester

DNHY 124, DENTAL RADIOLOGY 3 (5)

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 digital image receptor placement, tube angulation, and image organization. Laboratory required. (A special fee will be assessed.)

General Education: GEO1, GEO2

Course Entry Requirement(s): Corequisite: DNHY 111 and DNHY 121; Concurrent: BIOG 221 and CHMY 161

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.

General Education: GEO1, GEO2

Course Entry Requirement(s): Prerequisite: DNHY 111, DNHY 121 and DNHY 124, BIOG 221 and CHMY 161; Corequisite: DNHY 126, DNHY 131 and DNHY 238; Concurrent: BIOG 222 and BIOG 251

Typically Offered: Spring Semester

DNHY 126, DENTAL HYGIENE TECHNIQUES II 4 (10)

This lecture/clinic course is designed as a continuation of the study of techniques, principles and basic foundations of patient care, and provides an introduction to patient treatment in the clinical setting. Clinical experience required; lecture attendance mandatory. (A special fee will be assessed.)

General Education: GEO1, GEO2, GEO4

Course Entry Requirement(s): Prerequisite: DNHY 111, DNHY 121, DNHY 124, BIOG 221 and CHMY 161; Corequisite: DNHY 125, DNHY 131 and DNHY 238; Concurrent: BIOG 222 and BIOG 251

Typically Offered: Spring Semester

DNHY 131, ORAL PATHOLOGY 2 (2)

A study of general pathology affecting the oral and para-oral structures and the impact on the management and treatment of the dental patient.

General Education: GEO2

Course Entry Requirement(s): Prerequisite: DNHY 111, DNHY 121, DNHY 124, BIOG 221 and CHMY 161; Corequisite: DNHY 125, DNHY 126 and DNHY 238; Concurrent: BIOG 222 and BIOG 251

Typically Offered: Spring Semester

DNHY 133, DENTAL HYGIENE TECHNIQUES III 3 (7)

This lecture/clinic course is designed as a continuation of patient treatment in the clinical setting. Lecture focuses on prevention, recognition and management of medical emergencies and dental emergencies in the dental setting. Clinical experience required; lecture attendance mandatory. (A special fee will be assessed.)

General Education: GEO1, GEO2

Course Entry Requirement(s): Prerequisite: DNHY 125, DNHY 126, DNHY 131, DNHY 238, BIOG 222 and BIOG 251; Corequisite: DNHY 123 and DNHY 134; Concurrent: MTHM 158 and CMMC 151

Typically Offered: Summer Semester

DNHY 134, NUTRITION FOR DENTAL HYGIENISTS 2 (2)

This course provides dental hygiene students with a comprehensive overview of the role of nutrition in systemic and oral health. Emphasis is placed on understanding the functions and food sources of essential nutrients, as well as their impact on the development and maintenance of oral tissues throughout the life cycle. Students will explore the interrelationships between nutrition, chemistry, biochemistry, anatomy, and physiology in maintaining healthy tissues.

General Education: GEO1, GEO2, GEO5

Course Entry Requirement(s): Prerequisite: CHMY 161 with a C or higher; Corequisite: DNHY 123 and DNHY 133

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.

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 division 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.

General Education: GE05

Course Entry Requirement(s): Prerequisite: DNHY 123, DNHY 133; Corequisite: DNHY 225; Concurrent: CMMC 151 and MTHM 158

Typically Offered: Fall Semester

DNHY 225, DENTAL HYGIENE TECHNIQUES IV 5 (14)

This lecture/clinic course is a continuation of patient treatment in the clinical setting, with emphasis placed on additional auxiliary procedures. Lecture content focuses on care for patients with special needs and medically-compromised patients. Clinical experience required; lecture attendance mandatory. (A special fee will be assessed.)

General Education: GE01, GE02, GE04, GE05

Course Entry Requirement(s): Prerequisite: DNHY 133 and DNHY 221; Corequisite: DNHY 221; Concurrent: ENGL 161 and PHL 165

Typically Offered: Fall Semester

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

Introduction to public health principles as they apply to the profession of dental hygiene. Students will plan, implement, and evaluate their own community-based projects.

General Education: GE01, GE05, GE07

Course Entry Requirement(s): Prerequisite: DNHY 221 and DNHY 225, Corequisite: DNHY 235

Typically Offered: Spring Semester

DNHY 235, DENTAL HYGIENE TECHNIQUES V 4 (13)

This lecture/clinic course is designed as a continuation of patient treatment in the clinical setting, with mastery of total clinical patient care and arrival at final level of competent professional dental hygiene skills. Lecture content focuses on preparation for board exams, employment and a career in dental hygiene. Clinical experience required; lecture attendance mandatory. Clinical laboratory required. (A special fee will be assessed.)

General Education: GE01, GE02, GE04, GE05, GE08

Course Entry Requirement(s): Prerequisite: DNHY 221 and DNHY 225; Corequisite: DNHY 231; Concurrent: PSYH 151 and SOC 151G

Typically Offered: Spring Semester

DNHY 238, DENTAL HYGIENE PAIN MANAGEMENT 2 (2)

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. The laboratory experience will provide opportunities for hands-on exercises in preparing armamentarium and in administering different techniques of local anesthesia. Instruction on the administration (initiation, adjustment, monitoring and termination) of nitrous oxide-oxygen minimal sedation.

General Education: GE01, GE02

Course Entry Requirement(s): Prerequisite: DNHY 111, 121 and 124; Corequisite: DNHY 125, 126 and 131; Concurrent: BIOG 222 and BIOG 251

Typically Offered: Spring Semester

DNHY 299, INDIVIDUALIZED STUDIES IN DENTAL HYGIENE 1-3 (1)

An in-depth study of areas in dental hygiene presented by discussion and/or individual research and reading. Topics will vary. Repeatable up to six (6) times for a total of six (6) credit hours.

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

Typically Offered: Offer as required