

DHYG - Dental Hygiene

DHYG 1000 - Tooth Anatomy and Root Morphology 2.000 Credits

Provides the student with a thorough knowledge of external and internal morphological characteristics of human primary and secondary dentition. Also introduces the student to various tooth identification systems, classifications of occlusion and dental anomalies. Topics include oral cavity anatomy, dental terminology, external and internal tooth anatomy, tooth nomenclature and numbering systems, individual tooth and root morphology, occlusion and dental anomalies.

DHYG 1010 - Oral Embryology and Histology 1.000 Credits

Focuses on the study of cells and tissues of the human body with emphasis on those tissues that compose the head, neck, and oral cavity. Topics include cellular structure and organelles; histology of epithelium; histology of connective tissue; histology of muscle tissue; histology of nerve tissue; histology of oral mucosa and orofacial structures; embryological development of the head and neck; tooth development; and development of tooth supporting structures.

DHYG 1020 - Head and Neck Anatomy 2.000 Credits

Focuses on anatomy of the head and neck. Emphasis is placed on those structures directly affected by the practice of dentistry. Topics include terminology; anatomic landmarks; osteology of the skull; temporomandibular joint; muscles of mastication; muscles of facial expression; nervous system; blood supply of the head and neck; lymphatic system and immunology; endocrine and exocrine glands of the head and neck; nasal and paranasal sinuses; fascial spaces and the spread of dental infections; and anatomy concerning local anesthesia.

DHYG 1030 - Dental Materials 2.000 Credits

Focuses on the nature, qualities, composition, and manipulation of materials used in dentistry. The primary goal of this course is to enhance the student's ability to make clinical judgments regarding the use and care of dental materials based on how these materials react in the oral environment. Topics include dental materials standards, dental materials properties, impression materials, gypsum products, mouthguards and whitening systems, dental bases, liners and cements, temporary restorations, classifications for restorative dentistry, direct restorative materials, indirect restorative materials, polishing procedures for dental restorations, removable dental prostheses, sealants, and implants.

DHYG 1040 - Preclinical Dental Hygiene 2.000 Credits

Corequisites: DHYG 1050

Provides fundamental skills to be utilized in the delivery of optimum patient care by the dental hygienist. Topics include patient assessment, instrumentation, charting, occlusion, caries, emergencies, ethics and professionalism, asepsis, and patient and clinician positioning.

DHYG 1050 - Preclinical Dental Hygiene Lab 2.000 Credits

Corequisites: DHYG 1040

Provides fundamental skills to be utilized in the delivery of optimum patient care by the dental hygienist. Topics include asepsis, ethics and professionalism, emergencies, patient assessment, patient and clinician positioning, instrumentation, charting, occlusion and caries.

DHYG 1070 - Radiology Lecture 2.000 Credits

Prerequisites: DHYG 1020

Emphasizes the application of radiology principles in the study of the teeth and their surrounding structures. Topics include radiation physics principles, radiation biology, radiation safety, radiographic

quality assurance, imaging theory, radiographic interpretation, radiographic need, legal issues of dental radiography, and digital radiography techniques and principles.

DHYG 1090 - Radiology Lab 1.000 Credits

Prerequisites: DHYG 1020

Emphasizes the application of radiology principles in the study of the teeth and their surrounding structures. Topics include radiation safety, radiographic quality assurance, imaging theory, radiographic interpretation, radiographic need, and digital radiography principles and techniques.

DHYG 1110 - Clinical Dental Hygiene I 1.000 Credits

Prerequisites: DHYG 1040

Corequisites: DHYG 1111

Continues the development of knowledge in patient care. Topics include prevention, instrumentation, patient management, dental appliances, and treatment planning.

DHYG 1111 - Clinical Dental Hygiene I Lab 3.000 Credits

Prerequisites: DHYG 1050

Corequisites: DHYG 1110

Continues the development of knowledge in patient care. Topics include prevention, instrumentation, patient management, dental appliances, treatment planning, and applied techniques.

DHYG 1206 - Pharmacology and Pain Control 3.000 Credits

Introduces principles of basic pharmacology as they pertain to the practice of dentistry and dental hygiene. Emphasizes actions and reactions of medications commonly used in the dental office or taken by dental patients. Topics include pharmaceutical referencing, legal and ethical considerations, drug effects, contraindications, drug related emergencies, dental related anesthesia, and pain control.

DHYG 2010 - Clinical Dental Hygiene II
2.000 Credits

Prerequisites: DHYG 1070; DHYG 1110

Corequisites: DHYG 2020

Continues the development of student knowledge in treating patients and preventing oral disease. Topics include instrument sharpening; patient assessment; antimicrobial use; pulp vitality testing; treatment of hypersensitivity; whitening; implant care; tobacco cessation; pit and fissure sealants; scaling, debridement, and root planing; ultrasonics and air polishing; and dietary analysis.

DHYG 2020 - Clinical Dental Hygiene II Lab

2.000 Credits

Prerequisites: DHYG 1070; DHYG 1090; DHYG 1111

Corequisites: DHYG 2010

Continues the development of student knowledge in treating patients and preventing oral disease. Topics include instrument sharpening; patient assessment; antimicrobial use; pulp vitality testing; treatment of hypersensitivity; whitening; implant care; tobacco cessation; pit and fissure sealants; scaling, debridement, and root planing; ultrasonics and air polishing; dietary analysis, and applied techniques.

DHYG 2050 - Oral Pathology

3.000 Credits

Prerequisites: DHYG 1010; DHYG 1020

Introduces pathology as a specialty of dentistry and includes the etiology, pathogenesis and recognition of various pathological conditions. Emphasis is placed on oral and paraoral pathology and systemic conditions affecting the head and neck. Topics include terminology and biopsy procedures; inflammation, repair, and regeneration; soft tissue and dental anomalies; pathogenesis of caries and pulpal pathology; cysts and tumors of the head and neck; systemic conditions that affect the oral structures; infectious diseases; diseases of the salivary glands; diseases of bone; blood dyscrasias; vesiculo-erosive and autoimmune diseases; and genetic diseases and syndromes of the head and neck.

DHYG 2070 - Community Dental Health

3.000 Credits

Prerequisites: DHYG 1110

Provides students with a broad understanding of the healthcare system and an objective view of the significant social, political, psychological and economic forces directing the system. Prepares students to promote oral health and prevent oral disease in a community, by meeting specific dental health needs of community groups. Topics include epidemiology, community dental care assessment, community dental care provision, preventive counseling for groups, group oral health education, terminology, dental care systems, biostatistics, and concepts of dental research.

DHYG 2080 - Clinical Dental Hygiene III

2.000 Credits

Prerequisites: DHYG 2010

Corequisites: DHYG 2090

Continues the development of student knowledge necessary for treatment and prevention of oral diseases. Topics include treatment of patients with special needs.

DHYG 2090 - Clinical Dental Hygiene III Lab

4.000 Credits

Prerequisites: DHYG 2020

Corequisites: DHYG 2080

Continues the development of student skills necessary for treatment and prevention of oral disease. Topics include special needs patients and applied techniques.

DHYG 2110 - Biochemistry and Nutrition Fundamentals for the Dental Hygienist

3.000 Credits

Provides a basic introduction to organic chemistry and biochemistry. Familiarizes students with the role of nutrition in the human body with an emphasis on the dental hygienist's role as a nutritional educator. Topics include molecular structure, carbohydrates, proteins, nutrition and digestion, bioenergetics, nutritional aspects, nutritional disorders, and diet assessment.

DHYG 2130 - Clinical Hygiene IV Lecture

1.000 Credits

Prerequisites: DHYG 2080

Corequisites: 2140

Focuses on the dental hygiene field and presents the fundamental concepts and principles necessary for successful participation in the dental profession. Topics include employability skills, State of Georgia Dental Practice Act, office management, expanded duties, legal aspects, ethics, dental hygiene practice settings, and dentistry and dental hygiene regulation.

DHYG 2140 - Clinical Dental Hygiene IV Lab

4.000 Credits

Prerequisites: DHYG 2090

Corequisites: 2130

Continues the development of student skills necessary for treatment and prevention of oral disease. Topics include applied techniques and time management.

DHYG 2200 - Periodontology

3.000 Credits

Prerequisites: DHYG 1010

Provides fundamental information on periodontal anatomy, pathogenesis of the periodontal diseases, and an introduction to modern rational periodontal therapy, including preventive, non-surgical, and surgical methods. Topics include tissues of the periodontium, periodontal pathology, periodontal diseases, assessment and treatment planning, periodontal disease therapy, and periodontal emergencies.