

DENTAL HYGIENE (DHYG)

DHYG 1010 - Dental and Oral Anatomy (3 Credits)

This course is a study of the structure and function of the mouth, teeth, head and neck.

Lecture: 3 hours, Lab: 0 hours

DHYG 1020 - Dental Hygiene I (3 Credits)

This course introduces students to the fundamental skills and procedures in dental hygiene practice.

Lecture: 3 hours

DHYG 1030 - Clinical Dental Hygiene I (2 Credits)

This course provides an opportunity for students to apply the principles studied in DHYG 1020 in the pre-clinical setting. Students work with mannequins and laboratory partners.

Lab: 6 hours

Prerequisite(s): DHYG 1020 (may be taken concurrently)

DHYG 1040 - Oral Embryology and Histology (2 Credits)

This course involves the study of the development, microscopic structure and function of oral and facial tissues.

Lecture: 2 hours

DHYG 1050 - Dental Hygiene II (3 Credits)

A continuation of the principles of DENT 1020, this course covers the philosophy of prevention, concepts of health and wellness, the dental hygiene treatment plan oral infection control, sealants and fluorides. Emphasis is on communication skills, patient management and development and implementation of educational strategies.

Lecture: 3 hours

Prerequisite(s): DHYG 1020 and DHYG 1030

DHYG 1060 - Clinical Dental Hygiene II (3 Credits)

This course continues application of the principles and skills learned in DHYG 1020 and DHYG 1030 as well as new material learned in DHYG 1050 including patient education and management.

Other: 9 hours

Prerequisite(s): DHYG 1030

DHYG 2010 - Pathology (2 Credits)

This course is an examination of general and oral diseases. Content includes etiologic agents, tissue response to injury, immunopathology, neoplasia, cardiovascular disease, general diseases with oral manifestations and oral pathology. Consideration is given to specific conditions of importance to oral assessment and care.

Lecture: 2 hours

Prerequisite(s): BIOL 1020 and DHYG 1040

DHYG 2020 - Dental Hygiene III (3 Credits)

This course continues to expand on the principles of dental hygiene practice. Topics include service to patients with special needs and nutrition, including nutritional counseling.

Lecture: 3 hours

Prerequisite(s): DHYG 1050 and DHYG 1060

DHYG 2030 - Clinical Dental Hygiene III (4 Credits)

This course continues the application of the principles and skills practiced in DHYG 1030, 1060 and 2020.

Lab: 12 hours

Prerequisite(s): DHYG 1030 and DHYG 1060

DHYG 2040 - Community Dental Health I (2 Credits)

This course introduces students to the principles of dental hygiene practice in the community setting. Content includes financing and delivery of care, cultural diversity, education of groups, program planning and evaluation and management of the evidence base for dental hygiene practice.

Other: 2 hours

Prerequisite(s): PSYC 2010 and DHYG 1060

DHYG 2045 - Community Dental Health II (1 Credit)

This course allows students to apply principles of dental hygiene practice through a supervised externship in a community dental health facility.

Other: 3 hours

Prerequisite(s): DHYG 1010 or DHYG 2020 or DHYG 2030

**DHYG 2050 - Periodontics
(3 Credits)**

This course involves an intensive study of the periodontium as it relates to dental hygiene practice. Content includes epidemiology and pathogens of periodontal disease, assessment of periodontal status, current therapeutic intervention and strategies for maintenance of the periodontal patient.

Lecture: 3 hours

Prerequisite(s): BIOL 1020 or BIOL 2210

**DHYG 2060 - Dental Hygiene IV
(2 Credits)**

This course continues to expand on principles of dental hygiene practice. Content includes legal and ethical issues, dental specialties and entering the professional work force.

Lecture: 2 hours

Prerequisite(s): DHYG 2020 and DHYG 2030

**DHYG 2070 - Clinical Dental Hygiene IV
(5 Credits)**

This course allows students to continue to apply the principles and skills practiced in DHYG 1030, 1060, 2030, and 2060. Integration of dental hygiene procedures into a complete dental hygiene service is covered.

Other: 16 hours

Prerequisite(s): DHYG 1030 and DHYG 1060 and DHYG 2030

**DHYG 2090 - Pharmacology for the Dental Hygienist
(3 Credits)**

This course is a study of the principles of pharmacology as they relate to oral health care. Content includes indications and contraindications for use, pharmacological effects, adverse reactions and interaction of drugs. Special consideration is given to drugs commonly used in dentistry, as well as oral implications of drugs.

Lecture: 3 hours

Prerequisite(s): BIOL 1020 and DHYG 1020

**DHYG 2200 - Local Anesthesia for the Registered Dental Hygienist
(2 Credits)**

This course is designed to enable practicing dental hygienists to gain the knowledge and skill needed to earn a permit to administer local anesthesia in Rhode Island. Topics include oral anatomy, neurophysiology, the pharmacology and pharmacokinetics of local anesthetic agents, legal issues related to local anesthesia and basic injection techniques. Students will serve as patients for each other.

Lecture: 16 hours, Lab: 16 hours

**DHYG 2201 - Administration of Nitrous Oxide for the Registered Dental Hygienist
(1 Credit)**

This course is designed to enable licensed dental hygienists to gain the knowledge and the skill indicated to earn a permit to administer nitrous oxide in Rhode Island. Topics will include: History of Nitrous Oxide, review of oral anatomy, the circulatory and respiratory system in pediatrics and adults, review of physiology and psychology of pain and anxiety, pain control modalities, pharmacology of Nitrous oxide and drug interactions, patient assessment and monitoring, preventing and managing complications, description and use of inhalation equipment, sedation and general anesthesia techniques and ethical and legal considerations. Students participating in the class will serve as patients for each other.

Lecture: 15 hours, Lab: 5 hours

**DHYG 2202 - Management of Medical Emergencies for the Public Health Dental Hygienist
(1 Credit)**

This course prepares Registered Dental Hygienists to meet the educational requirements to manage medical emergencies as a licensed Public Health Dental hygienist. Topics will include: Risk assessment through evaluation of clinical implications for potential emergencies related to specific items on a health history form. Recognition and management based on clinical signs and symptoms for emergency related medical conditions. Implementation of an emergency plan through simulation exercises.

Lab: 3 hours, Other: 1 hour

**DHYG 2203 - Infection Control for the Public Health Dental Hygienist
(1 Credit)**

This course is designed to prepare the Registered Dental Hygienist to meet the educational requirements for infection control in the dental setting alternative public health dental environments such as schools, mobile dental vans and long term care facilities.

Lecture: 3 hours, Lab: .6 hours

**DHYG 2204 - Risk and Practice Management for the Public Health Dental Hygienist
(1 Credit)**

This course will prepare Registered Dental Hygienists to meet the educational requirements on risk management as a licensed public health dental hygienist. Topics will include Risk management as a public health dental hygienist, practice management, dental billing and coding, dental equipment vendors, grant writing and resources. A dental externship at a community health center will be required. Guidelines for treating geriatric and pediatric patients will be discussed. Tool kit links through the Rhode Island Department of Health for public health dental hygiene practice will be addressed.

Lecture: 3 hours