

# Dental Hygiene (DHY)

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## **DHY 1140 Dental Office Procedures ..... 3 Credit Hours**

**ESL Placement Level:** For English-as-a-Second-Language (ESL) students, placement in ESL 2520.

The student will develop skills relative to planning, organizing and controlling the dental office. This course will include dental office procedures such as reception duties, record control, bookkeeping and banking procedures, credit and collecting, insurance forms, supplies and inventory control and patient recall. **BILLABLE CONTACT HOURS:** 3

## **DHY 1230 Oral, Head and Neck Anatomy ..... 3 Credit Hours**

**ESL Placement Level:** For English-as-a-Second-Language (ESL) students, placement in ESL 2520.

This course provides a comprehensive study of oral, head and neck anatomy including: skeletal, nerves, circulatory, lymphatic, muscular systems, and the relationship to dental hygiene clinical procedures, including local anesthesia. A comprehensive study of the oral and dental anatomy as it relates to oral disease and dental hygiene care. **BILLABLE CONTACT HOURS:** 4

## **DHY 1240 Dental Embryology and Histology ..... 3 Credit Hours**

**ESL Placement Level:** For English-as-a-Second-Language (ESL) students, placement in ESL 2520.

**Prerequisite:** Admission into program.

This course familiarizes students with the ontogeny of humans with emphasis on the development of the maxillofacial area and dental structures. Skill is developed in the correct use of a microscope and recording of embryological and histological tissue sections. **BILLABLE CONTACT HOURS:** 4

## **DHY 1250 Clinical Techniques .....5 Credit Hours**

**ESL Placement Level:** For English-as-a-Second-Language (ESL) students, placement in ESL 2520.

This course provides an introduction to the profession of dental hygiene. Students are instructed in the concepts and techniques essential in providing comprehensive dental hygiene care. Through a simulated clinical laboratory experience, the students practice operator preparation, infection control procedures, patient assessment, and periodontal instrumentation. All procedures are taught to clinical competence. **BILLABLE CONTACT HOURS:** 8

## **DHY 1260 Dental Radiography ..... 3.5 Credit Hours**

**ESL Placement Level:** For English-as-a-Second-Language (ESL) students, placement in ESL 2520.

**Prerequisite:** DHY 1230 and DHY 1250

**Note:** Prerequisites for courses in this department are not automatically waived for College Guest students and students with a bachelor's degree or higher from a U.S. institution.

Theories and principles of the X-ray, its nature and properties and recognition of the normal anatomical structures present in a properly exposed set of periapical and interproximal radiographic images. Practice is provided in exposure, development and mounting of dental radiographic images using a variety of techniques. **BILLABLE CONTACT HOURS:** 5

## **DHY 1281 Clinical Dental Hygiene I ..... 4 Credit Hours**

**ESL Placement Level:** For English-as-a-Second-Language (ESL) students, placement in ESL 2520.

**Prerequisite:** DHY 1250

**Note:** Prerequisites for courses in this department are not automatically waived for College Guest students and students with a bachelor's degree or higher from a U.S. institution.

This course is a continuation of Clinical Techniques, providing a transition from the pre-clinic setting to planning and providing dental hygiene care.

The emphasis is on applying the knowledge and skills that will foster problem solving and evidence based decision making as it is related to both oral and physical health. The course will explore concepts and techniques of dental care with patients to increase their awareness of dental health including radiographic technique, administering Nitrous Oxide/Oxygen Sedation and Local Administration, and dental anxiety reduction. All facets of clinical dental hygiene processes and procedures are taught to clinical competence. **BILLABLE CONTACT HOURS:** 7

## **DHY 1282 Clinical Dental Hygiene II .....2.5 Credit Hours**

**ESL Placement Level:** For English-as-a-Second-Language (ESL) students, placement in ESL 2520.

**Prerequisite:** DHY 1281

**Note:** Prerequisites for courses in this department are not automatically waived for College Guest students and students with a bachelor's degree or higher from a U.S. institution.

This course is a continuation of Clinical Dental Hygiene I, with the added skills of placing sealants, polishing amalgams, placing a rubber dam, and taking diagnostic study models. The student learns care specific to the pediatric and geriatric dental patient. The development of critical thinking skills enables the student to analyze the components in the dental hygiene process of care. Additional theory and techniques in advanced periodontal and ultrasonic instrumentation are included. All facets of clinical dental hygiene processes and procedures are taught to clinical competence. **BILLABLE CONTACT HOURS:** 5.5

## **DHY 1283 Clinical Dental Hygiene III .....5 Credit Hours**

**ESL Placement Level:** For English-as-a-Second-Language (ESL) students, placement in ESL 2520.

**Prerequisite:** DHY 1282 and DHY 1350 with a 'C' or better.

**Note:** Prerequisites for courses in this department are not automatically waived for College Guest students and students with a bachelor's degree or higher from a U.S. institution.

This course is a continuation of Clinical Dental Hygiene II, with an emphasis on treating special needs patients. The course develops abilities to assess, plan, implement and evaluate all types of dental hygiene procedures and treatment care plans for patients of all ages and special needs. The course will use information synthesis, critical thinking, and evidence-based decision making skills to apply to all facets of clinical dental hygiene processes and procedures. All procedures are taught to clinical competency with development in caring for more periodontally involved patients with focus on increasing their efficiency and clinical instrumentation ability. **BILLABLE CONTACT HOURS:** 8

- DHY 1284 Clinical Dental Hygiene IV ..... 5 Credit Hours**  
**ESL Placement Level:** For English-as-a-Second-Language (ESL) students, placement in ESL 2520.  
**Prerequisite:** DHY 1283  
**Note:** Prerequisites for courses in this department are not automatically waived for College Guest students and students with a bachelor's degree or higher from a U.S. institution.  
 This course is a continuation of Clinical Dental Hygiene III, with an emphasis placed on preparation of the student for completing the national and clinical boards. This course includes a comprehensive case study presentation that is the culmination of all the prior Clinical Technical courses. The course is designed to continue to increase the student's efficiency and clinical abilities. All facets of clinical dental hygiene processes and procedures are taught to clinical competence. BILLABLE CONTACT HOURS: 8
- DHY 1310 Periodontics ..... 2 Credit Hours**  
**ESL Placement Level:** For English-as-a-Second-Language (ESL) students, placement in ESL 2520.  
**Prerequisite:** DHY 1250  
**Note:** Prerequisites for courses in this department are not automatically waived for College Guest students and students with a bachelor's degree or higher from a U.S. institution.  
 The etiology, signs, symptoms and processes of pathological conditions, especially those related to the periodontium, are emphasized. Clinical experience is provided in charting the mouth and completing a routine prophylaxis. BILLABLE CONTACT HOURS: 2
- DHY 1330 Therapeutics ..... 2 Credit Hours**  
**ESL Placement Level:** For English-as-a-Second-Language (ESL) students, placement in ESL 2520.  
**Prerequisite:** DHY 1282  
**Note:** Prerequisites for courses in this department are not automatically waived for College Guest students and students with a bachelor's degree or higher from a U.S. institution.  
 This course provides a basic knowledge of the names, uses and beneficial and detrimental effects upon the body of drugs commonly used in dentistry. Students learn how to use standard references and apply rules for proper administration, measurement, and storage. BILLABLE CONTACT HOURS: 2
- DHY 1350 Local Anesthesia ..... 1.5 Credit Hours**  
**ESL Placement Level:** For English-as-a-Second-Language (ESL) students, placement in ESL 2520.  
**Prerequisite:** DHY 1281  
**Note:** Prerequisites for courses in this department are not automatically waived for College Guest students and students with a bachelor's degree or higher from a U.S. institution.  
 This course provides a basic knowledge of neuroanatomy and neurophysiology, pain control, the pharmacology of local anesthetics, techniques of maxillary and mandibular anesthesia, infection control, systemic complications, and local anesthesia medical emergencies. BILLABLE CONTACT HOURS: 2
- DHY 2210 General and Oral Pathology ..... 3 Credit Hours**  
**ESL Placement Level:** For English-as-a-Second-Language (ESL) students, placement in ESL 2520.  
**Prerequisite:** DHY 1250  
**Note:** Prerequisites for courses in this department are not automatically waived for College Guest students and students with a bachelor's degree or higher from a U.S. institution.  
 This course provides a basic knowledge of the etiology, signs and symptoms, and treatment of systemic and oral pathological conditions. Emphasis is placed on the detection and treatment of diseases of the oral region. BILLABLE CONTACT HOURS: 3
- DHY 2220 Dental Public Health ..... 1 Credit Hour**  
**ESL Placement Level:** For English-as-a-Second-Language (ESL) students, placement in ESL 2520.  
**Prerequisite:** DHY 1283  
**Note:** Prerequisites for courses in this department are not automatically waived for College Guest students and students with a bachelor's degree or higher from a U.S. institution.  
 This course provides a study of organizational structure and functions of various local, state, and federal agencies concerned with public health and aspects of dentistry carried out on a community basis. The course will explore concepts of oral epidemiology, statistical methods, community assessment, program planning, program implementing, and strategies in evaluating programs. The ability to apply evidence-based decision making in review of scientific literature will be covered in the course. BILLABLE CONTACT HOURS: 1
- DHY 2240 Dental Specialties ..... 2 Credit Hours**  
**Equivalent:** DHY 2230  
**ESL Placement Level:** For English-as-a-Second-Language (ESL) students, placement in ESL 2520.  
**Prerequisite:** DHY 1283  
**Note:** Prerequisites for courses in this department are not automatically waived for College Guest students and students with a bachelor's degree or higher from a U.S. institution.  
 Students are familiarized with the chemical, physical, and manipulative characteristics of various restorative and procedural materials used in dentistry. Laboratory experiences develop skill in working with these materials and recording results of experiments which illustrate their uses or characteristics. BILLABLE CONTACT HOURS: 2
- DHY 2250 Dental Materials ..... 3 Credit Hours**  
**ESL Placement Level:** For English-as-a-Second-Language (ESL) students, placement in ESL 2520.  
**Prerequisite:** DHY 1281  
**Note:** Prerequisites for courses in this department are not automatically waived for College Guest students and students with a bachelor's degree or higher from a U.S. institution.  
 Students are familiarized with the chemical, physical, and manipulative characteristics of various restorative and procedural materials used in dentistry. Laboratory experiences develop skill in working with these materials and recording results of experiments which illustrate their uses or characteristics. BILLABLE CONTACT HOURS: 6

**DHY 2280 Dental Health Education ..... 2 Credit Hours**

**ESL Placement Level:** For English-as-a-Second-Language (ESL) students, placement in ESL 2520.

**Prerequisite:** DHY 1282 and HEA 1510

**Note:** Prerequisites for courses in this department are not automatically waived for College Guest students and students with a bachelor's degree or higher from a U.S. institution.

This course provides the study of dental health education theories and methods in providing preventive educational strategies for patients and community groups. The course requires students to develop the ability to assess, plan, implement and evaluate a dental health education project for a specific target population. Emphasis is placed on developing interventions, educational materials, and educational based methods to improve preventive oral health in populations. BILLABLE CONTACT HOURS: 2

**DHY 2320 Dental Law ..... 1 Credit Hour**

**ESL Placement Level:** For English-as-a-Second-Language (ESL) students, placement in ESL 2520.

**Prerequisite:** DHY 1283

**Note:** Prerequisites for courses in this department are not automatically waived for College Guest students and students with a bachelor's degree or higher from a U.S. institution.

Students are familiarized with the principles of professional ethics and laws, rules, and regulations relative to the practice of dental hygiene. BILLABLE CONTACT HOURS: 1

**DHY 2340 Dental Hygiene Board Review ..... 2 Credit Hours**

**ESL Placement Level:** For English-as-a-Second-Language (ESL) students, placement in ESL 2520.

**Prerequisite:** DHY 1283

This course provides the students with a review of all the dental hygiene courses and successfully prepares the students for taking the National Board Dental Hygiene Examination, Regional Clinical Board Examinations, and the Local Anesthesia and Nitrous Oxide Administration Examinations. The students will complete a self-inventory, develop a study plan, implement practice exercises, and complete a mock board examination. The course will conclude with the students building professional skills in resume writing and interviewing techniques to further the transition from student to the dental hygiene professional. BILLABLE CONTACT HOURS: 2