

## Dental Hygiene Course Descriptions

### **DHG 110 Applied Head and Neck Anatomy**

**2-0-2**

Gross anatomy of head and neck with special emphasis on maxilla, mandible, and oral soft tissues. Interactions of neuromuscular mechanisms of teeth, supporting structures, and temporomandibular joint. Prerequisites: BIO 121, CHE 100 or equivalent, and admission into Dental Hygiene program. F

### **DHG 111 Oral and Dental Anatomy**

**1-2-2**

Terms and anatomic structures of the oral cavity, including detailed study of crown and root morphology of both primary and permanent dentitions. Prerequisites: BIO 121, CHE 100 or equivalent, and admission into Dental Hygiene program. F

### **DHG 112 Dental Histology and Embryology**

**2-0-2**

Introduction to development of human organism with emphasis on face, teeth, and supporting periodontal structures. Application of oral histology in assessing patient's oral health. Prerequisites: BIO 121, CHE 100 or equivalent, ENG 101 placement, and admission into Dental Hygiene program. F

### **DHG 113 Introduction to Prevention**

**1-0-1**

Introduction to causes and prevention of dental caries and periodontal disease. Student learns to assess patient needs and to provide information for patient self-care. Prerequisites: BIO 121, CHE 100 or equivalent, and admission into Dental Hygiene program. F

### **DHG 114 Pre-Clinic**

**3-6-5**

Introduction to dental hygiene profession with emphasis placed on theory and practice of fundamental skills including instrumentation, periodontal status, and infection control. Instrument skills proficiencies performed on students. Prerequisites: BIO 121, CHE 100 or equivalent, ENG 101 placement, and admission into Dental Hygiene program. F

### **DHG 115 Seminar I**

**1-0-1**

Continuation of topics related to patient treatment and patient management in DHG 116. Prerequisites: DHG 110, DHG 111, DHG 112, DHG 113, DHG 114, and BIO 122. S

### **DHG 116 Clinic I**

**.5-8-2**

Continuation of preclinical skill development in the clinical setting treating patients; emphasis on calculus detection, patient rapport, oral hygiene instruction, applying consistent infection control, medical history data gathering, and developing recall systems. Prerequisites: DHG 110, DHG 111, DHG 112, DHG 113, DHG 114, and BIO 122. S

### **DHG 117 Dental Radiology I**

**2-3-3**

Theory and procedures for exposing and developing various dental X-ray films; practical experience on mannequins and selected patients; identification, mounting, and general interpretation practiced. Infection control for radiographic equipment is emphasized. Prerequisites: DHG 110, DHG 111, DHG 112, DHG 113, DHG 114, and BIO 122. S

### **DHG 118 Pharmacology for the Dental Hygienist**

**2-0-2**

Study of drugs, including their pharmacological effects, adverse reactions, indications, and contraindications as they relate to patient medical history and dental hygiene treatment. Prerequisites: DHG 110, DHG 111, DHG 112, DHG 113, DHG 114, and BIO 122. S

### **DHG 119 Alterations of Oral Structures**

**2-0-2**

Study of alterations of basic biological processes as applied to the oral structures. Specific disease entities of local and systemic origin are studied. Prerequisites: DHG 110, DHG 111, DHG 112, DHG 113, DHG 114, and BIO 122. S

### **DHG 210 Periodontology**

**2-0-2**

Histopathology, etiology, clinical features, and treatment of periodontal infections; emphasizes diagnosis, treatment planning, and management of periodontal patients. Incorporates periodontal case study project to foster the clinical application of course materials. Prerequisites: DHG 212, DHG 215, and DHG 216. F

### **DHG 211 Local Anesthesia**

**1.5-.5-1.5**

Integration of patient pre- evaluation, pharmacology, recordkeeping, anatomy/neuroanatomy/physiology, techniques, complications, postoperative instructions, and clinical experience in the administration of nitrous oxide and local anesthesia. Clinical sessions are included for students to develop competency in their administration. Prerequisites: DHG 118 and DHG 119. Su

### **DHG 212 Dental Materials**

**2-4-3**

Study of materials utilized in dental office and laboratory. Infection control in the dental laboratory is emphasized. Prerequisites: DHG 115, DHG 116, DHG 117, DHG 118, DHG 119, BIO 123, and COM 103. Su

### **DHG 214 Nitrous Oxide/Oxygen Sedation**

**1-0-1**

A comprehensive introduction to conscious sedation (i.e. the administration and monitoring of nitrous oxide and oxygen sedation). Anatomy, physiology, pharmacology, and the ethical and legal aspects of nitrous oxide and oxygen sedation use. Prerequisites: DHG 110, DHG 118, DHG 119, and CPR certification.

### **DHG 215 Clinic II**

**.5-6-2**

Continuation of clinical skill development with emphasis on treating the periodontally involved patient, individualized oral hygiene instruction, medical history analysis, applying infection control, and patient assessment and analysis. Prerequisites: DHG 115, DHG 116, DHG 117, DHG 118, DHG 119, BIO 123, and COM 103. Su

### **DHG 216 Seminar II**

**1-0-1**

Continuation of topics related to patient treatment and patient management in DHG 215. Prerequisites: DHG 115, DHG 116, DHG 117, DHG 118, DHG 119, BIO 123, and COM 103. Su

### **DHG 217 Seminar III**

**2-0-2**

Provides information for the dental hygiene care of the medically compromised dental patient and patients with special developmental or acquired conditions, including sensory and/or psychological needs. Topics related to patient treatment in DHG 218. Prerequisites: DHG 212, DHG 215, and DHG 216. F

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| <b>DHG 218 Clinic III</b>   | <b>0.5-12-4</b> |
| Continuation of clinical skill development with emphasis on the application of concepts learned in DHG 212, DHG 210, and DHG 217.   |                 |
| Prerequisites: DHG 212, DHG 215, and DHG 216. F   |                 |
| <b>DHG 219 Clinic IV</b>  | <b>0.5-12-4</b> |
| Continuation of clinical skill development with emphasis on periodontal maintenance/supportive maintenance and time motion management.  |                 |
| Prerequisites: DHG 210, DHG 217, DHG 218, DHG 230, DHG 233, and ENG 101. S  |                 |
| <b>DHG 230 Community Dental Health</b>  | <b>2-3-3</b>    |
| Knowledge of public health system including community dental health. Dental health education program planning, including assessing, planning, implementing, and evaluating grade school program. Critically analyze research article. Communicate technical dental health information.  |                 |
| Prerequisites: DHG 212, DHG 215, and DHG 216. F   |                 |
| <b>DHG 233 Dietary Analysis and Preventive Counseling</b>   | <b>2-0-2</b>    |
| Study of role of diet upon building and maintaining of oral structures as applied to dental hygiene patient through analysis of total oral consumption and subsequent preventive recommendations. Prerequisites: DHG 212, DHG 215, and DHG 216. F   |                 |
| <b>DHG 235 Seminar IV</b>   | <b>1-0-1</b>    |
| Provides information related to credentialing, consumer issues, current dental hygiene issues, and management skills. Provides information on job interview techniques and developing a resume and cover letter. Prerequisites: DHG 210, DHG 217, DHG 218, DHG 230, DHG 233, and ENG 101. S   |                 |
| <b>DHG 236 Ethics and Jurisprudence</b>   | <b>1-0-1</b>    |
| Rules of conduct and behavior that guides a dentist's and dental hygienist's practice, ethical and legal behavior expected of a professional, political action and the importance of the relationship between professions and government. Prerequisites: DHG 210, DHG 217, DHG 218, DHG 230, DHG 233, and ENG 101. S                        |                 |
| <b>DHG 237 Licensure/Transition to RDH</b>  | <b>1-0-1</b>    |
| The role of licensure in the dental hygiene profession. The processes, procedures, requirements, jurisdictions, and cost of becoming licensed to practice dental hygiene in the United States. Preparation for transition from student to licensed professional. Prerequisites: DHG 210, DHG 217, DHG 218, DHG 230, DHG 233, and ENG 101. S |                 |

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