

# SLO Presentation

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DH

Date: 09/11/2019

<b>HEALTH OCCUPATIONS</b>
<b>DH</b>
<b>Dental Hygiene--AA</b> <ul style="list-style-type: none"><li>• The student critically examines current scientific literature as it applies to dental hygiene skills and knowledge.</li><li>• The student applies ethical, legal and regulatory concepts to the provision and/or support of oral health care services.</li><li>• The student applies self-assessment skills to continually evaluate their clinical skill and knowledge to prepare them for life-long learning.</li><li>• The student demonstrates problem solving strategies related to comprehensive patient care and management of patients.</li><li>• The student demonstrates progressive skill attainment in providing dental hygiene care for all types of classifications of periodontal disease including patients who present with moderate to severe periodontal disease.</li><li>• The student demonstrates progressive skill attainment in providing dental hygiene care to children, adolescents, adults, geriatrics and patients with special needs.</li><li>• The student demonstrates progressive skill attainment in providing the dental hygiene process of care, which includes assessment, diagnosis, planning, implementation, evaluation and documentation.</li><li>• The student employs interpersonal and communication skills to effectively interact with diverse population groups.</li><li>• The student examines the assessment, planning, implementation and evaluation of community-based oral health programs including, health promotion and disease prevention activities.</li></ul>
<b>CSLO</b>
<b>DH110 - Preventive Dentistry I</b> <ul style="list-style-type: none"><li>• Describe correct plaque control techniques such as brushing and flossing.</li><li>• Recognize the rationale for preventive dentistry.</li><li>• Identify the multiple roles of the dental hygienist.</li><li>• Explain the etiology of soft and hard deposits.</li><li>• Identify the various oral hygiene aids and products associated with home care.</li><li>• Recognize the rationale for caries management by risk assessment (CAMBRA).</li></ul>
<b>DH111 - Infect Control-Office Emer</b> <ul style="list-style-type: none"><li>• Discuss the chain of infection, as it applies to the transmissibility of bloodborne pathogens, as well as other infectious agents.</li><li>• Understand the rationale for the application of "standard precautions" in the dental health care setting.</li><li>• Identify the step-by-step infection control procedures used prior to, during and after patient treatment.</li><li>• Describe the management for the five most "common" and eight "unusual" medical emergencies that may occur in the dental office environment.</li></ul>
<b>DH112 - Dental Hygiene Radiography</b> <ul style="list-style-type: none"><li>• Describe the processes necessary to produce radiation.</li><li>• Differentiate between normal anatomy, anomalies, radiolucencies, radiopacities and periodontal conditions that are seen in dental radiographs.</li><li>• Demonstrate the proper exposure, processing and mounting of bite-wing, full-mouth, occlusal and digital radiographic series that are both diagnostic and technically acceptable.</li><li>• Discuss and demonstrate proper radiation safety techniques.</li></ul>
<b>DH114 - Dh Clinical Sciences I</b> <ul style="list-style-type: none"><li>• Students describe the step-by-step process for patient assessment and data collection, including patient history's, vital signs, extra/intra oral examinations, examination of periodontium and teeth.</li><li>• Students explain the rationale for patient assessment and data collection.</li><li>• Students recognize appropriate documentation of assessment data.</li></ul>
<b>DH115C - Pre-Clin Dent Hygiene I</b>

- Students identify the characteristics of instruments used in providing dental hygiene services.
- Students demonstrate dental hygiene instrumentation techniques.
- Students demonstrate correct infection control procedures during clinical practice sessions.
- Students demonstrate the operation of the dental chair and associated equipment such as the air/water syringe, operatory light, handpiece, etc.
- Students describe the rational and appropriate procedure for the "moving stone technique" of sharpening curettes and sickles.
- Students demonstrate proper ergonomics during clinical practice sessions.

### DH116 - Head And Neck Anatomy

- Students identify extra/intraoral landmarks and surface anatomy.
- Students identify the facial and cranial bones of the skull.
- Students identify the muscles of facial expression and the muscles of mastication.
- Students identify the hyoid muscles and muscles of the tongue.
- Students identify the muscles of the pharynx and the soft palate.
- Students identify the arteries and veins of the head and neck.
- Students identify the 12 cranial nerves.
- Students identify the components of the Facial and Trigeminal nerves.
- Students summarize the role of fascia and spaces of the head and neck.
- Students describe the role of the lymphatic system in the head and neck.

### DH119 - Dent Embryology Hist Anat

- Students recognize Angles Classification of Malocclusion and identify all subdivisions, including corresponding facial profiles.
- Students identify stages of prenatal development and events that occur during formation of orofacial structures.
- Students describe the formation of primary and permanent teeth and discuss developmental disturbances that may occur.
- Students identify each of the basic histological tissue types in the orofacial regions.
- Students describe the features and functions of primary and permanent teeth.
- Students identify the eruption and exfoliation patterns for primary and permanent teeth.

### DH120 - Preventive Dentistry II

- Students discuss the elements of communication such as patient motivation, response modes and ethical considerations, as they apply to the delivery of Dental Hygiene services.
- Students discuss appropriate principles of interviewing and counseling techniques as they apply to delivering nutrition information to patients.
- Students describe the relationship of dietary factors as they apply to risk assessment for dental caries, periodontal disease and total patient care.
- Students discuss the influence of ethnic and cultural attitudes as they pertain to oral health and disease prevention.

### DH125 - Dental Hygiene Clinical Sciences II

- Students describe the accepted "sharps" injury protocol for clinical dental hygiene practice.
- Students describe the accepted "broken instrument" protocol.
- Students discuss the rational for the utilization of sonic and ultrasonic instrumentation.
- Students identify the step-by-step process for patient treatment, including the medical history review, the assessment phase, the treatment phase and the documentation phase.
- Students identify the legal duties of a registered dental hygienist as stated in the California Dental Practice Act.
- Students discuss the rational for using the SOAP format of documentation.

### DH125C - Clinical Dental Hygiene II

- Students demonstrate, with faculty intervention, skill in data collection and assessment.
- Students demonstrate, with faculty intervention, skill in dental hygiene instrumentation techniques.
- Students demonstrate, with faculty intervention, skill in supportive dental hygiene procedures such as care of prostheses, auditing charts, coronal polishing and sharpening, etc.

- Students demonstrate correct infection control procedures, before, during, and after patient care.
- Students formulate, with faculty intervention, an appropriate care plan, using data collected during patient assessment.
- Students demonstrate, with faculty intervention, the ability to self-assess their skills in delivering patient care.
- Students demonstrate the appropriate technique for using ultrasonic instruments.

### DH126 - General & Oral Pathology

- Students describe normal and abnormal conditions in the mouth using appropriate descriptive vocabulary, including color, texture, size, and location.
- Students identify deviations from normal.
- Students discuss possible remedies to pathological conditions.
- Students identify appropriate tests used to diagnose oral conditions.
- Students distinguish potential oral disorders using a 'differential diagnostic' system.

### DH127 - Pharmacology

- Students demonstrate the ability to utilize appropriate pharmacological reference sources.
- Students differentiate between the chemical, brand, and generic names of drugs.
- Students define the terms absorption, distribution, metabolism, and excretion as they apply to commonly used drugs.
- Students identify the current AHA and AAOS premedication guidelines.
- Students identify proper prescription writing techniques.

### DH128 - Management Of Pain

- Students describe the sodium/potassium pump nerve conduction physiology.
- Students identify the penetration site, pathway of insertion, and target site for all injections used in the delivery of Dental Hygiene services.
- Students demonstrate proper technique for administering local anesthesia including preparation of armamentarium, locating penetration site, follow pathway of insertions, appropriate aspiration, proper deposition rate, and appropriate amount of solution, and post-injection procedures.
- Students describe the need and clinical significance of each injection.
- Students describe the advantages and disadvantages of nitrous/oxide oxygen sedation.
- Students identify the components of the nitrous/oxide oxygen sedation equipment.
- Students identify the clinical effects of nitrous/oxide oxygen sedation.
- Students demonstrate proper technique for administering nitrous/oxide oxygen sedation including setting up equipment, pre-oxygenating, titration of gases to achieve clinical effects, post-oxygenation and breakdown and disinfection of equipment.

### DH129 - Applied Periodontics

- Students identify the anatomy, histology, and physiology of the periodontium.
- Students explain the relationship between bacterial biofilm and periodontal disease.
- Students discuss the links between specific systemic conditions and periodontal disease.
- Students identify clinical assessment variables such as color, consistency, and texture as they relate to periodontal disease.

### DH150C - Clinical Dent Hygiene lia

- Students demonstrate correct infection control procedures before, during and after patient care.
- Students demonstrate, with faculty intervention, skill in data collection and assessment
- Students demonstrate, with faculty intervention, skill in dental hygiene instrumentation techniques.
- Students demonstrate, with faculty intervention, skill in supportive dental hygiene procedures.
- Students demonstrate, with faculty intervention, the ability to self-assess their skill in delivering patient care.
- Students demonstrate, with faculty intervention, the appropriate technique for using ultrasonic instruments.
- Students formulate, with faculty intervention, an appropriate care plan, using data collected during patient assessment.

### DH232L - Dental Materials Laboratory

- Students identify and describe the use, properties and manipulation of dental materials used in the dental environment.

- Students demonstrate the manipulation of materials in the laboratory setting such as alginates, sealants and bleaching materials, etc.

### DH234 - Dental Care-Spec Patient

- Students identify and discuss systemic diseases and disorders that may impact oral health.
- Students recognize potential risk factors and complications that may be associated with treating medically compromised patients.
- Students describe possible adverse reactions that may occur during the management of at-risk patients.
- Students discuss the medical history as a means of determining risk for performing planned dental procedures.

### DH235 - Den Hy Clinical Scienc III

- Discuss and explain CAMBRA, Caries Risk Assessment forms and computerized risk assessments.
- Students describe care for the treatment of hypersensitive teeth.
- Students describe care for dental implants.
- Describe and demonstrate the use of new advanced periodontal instruments.
- Students explain post-operative care.
- Identify the differences between various oral therapeutic agents

### DH235C - Clinical Dent Hygiene III

- Students demonstrate, with some faculty intervention, skill in data collection and assessment.
- Students demonstrate, with some faculty intervention, skill in more advanced dental hygiene instrumentation techniques.
- Students demonstrate correct infection control procedures, before, during and after patient care.
- Students formulate, with some faculty intervention, an appropriate care plan, using data collected during patient assessment.
- Students demonstrate, with some faculty intervention, the ability to perform comprehensive dental hygiene services to patient with complex periodontal problems.
- Students demonstrate, with some faculty intervention, the ability to self-ass their competency in delivering patient care.

### DH238 - Community Outreach I

- Students recognize that dental disease is the most widespread public health problem among the school age population in the US.
- Students design and develop educational programs focusing on dental disease and its ramifications, such as dental pain, bleeding gums, missing teeth etc., that are then presented to grammar school children (K-3).
- Students develop educational programs focusing on causes of dental disease, nutrition, fluoride use, dental health safety and the need for regular dental visits that are then presented to diverse groups within the community.
- Students select, research, design and present a topic for presentation as a table clinic.

### DH239 - Introduction to Dental Bio-statistics and Research

- Students identify types of research methodology.
- Students recognize the significance of statistics in summarizing and describing research data.
- Students interpret and evaluate scientific literature.
- Students demonstrate the use of research databases to formulate answers to research hypotheses.
- Students demonstrate the basic use of APA style rules for scholarly writing and documentation of sources.

### DH244 - Ethical Issues in Dental Hygiene

- Students discuss the principles of ethical behavior as prescribed by the American Dental Hygienist's Association, including autonomy, non-maleficence, beneficence, veracity and justice.
- Students examine and defend ethical principles when given examples of ethical dilemmas.
- Students discuss the California State Dental Practice Act as it affects dental hygiene practice.
- Students develop a professional resume and cover letter.

### DH245 - Dental Hygiene Clinical Sciences IV

- Describe and demonstrate protective instrumentation strategies and ergonomics.
- Students employ critical thinking skills to examine numerous clinical case studies in preparation for the National Board Examination.
- Students identify and discuss treatment and home care dental products and their applications.
- Students define myofunctional therapy and its application to dentistry.

- Students identify emergent dental technology and its application to Dental Hygiene treatment such as lasers, perioscopy, computerized anesthetic delivery devices, and Previser risk assessments tools, etc.
- Students identify and discuss advanced ultrasonic and hand instruments and their application to Dental Hygiene treatment.

#### **DH245C - Clinical Dental Hygiene IV**

- Students will frequently demonstrate, with very little faculty intervention, skill in data collection and assessment.
- Students frequently demonstrate, with very little faculty intervention, skill in dental hygiene instrumentation techniques.
- Students demonstrate correct infection control procedures, before, during and after patient care.
- Students frequently formulate, with very little faculty intervention, an appropriate care plan, using data collected during patient assessment.
- Students frequently demonstrate, with very little faculty intervention the ability to perform comprehensive dental hygiene services to patients with complex periodontal problems.
- Students frequently demonstrate, with very little faculty intervention, the ability to self-assess their competency in delivering patient.

#### **DH248 - Community Outreach II**

- Students recognize and define key terms used in community oral health.
- Presentation of Table Clinics.
- Students participate in activities such as teaching oral health to those living in assisted living facilities, orphanages, grade school school children, persons with disabilities, etc., in order to foster an understanding for community service.

#### **DH249 - Prin of Community Oral Health**

- Students demonstrate the application of evidence based decision making by researching and presenting an appropriate topic or clinical problem.
- Students recognize theories of adult education.
- Students describe theories of motivation.
- Students recognize and discuss the roles of a registered dental hygienist.
- Students identify a public health problem by evaluating pertinent literature.