

# BACHELOR OF SCIENCE DEGREE

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## DENTAL HYGIENE (BS)

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**MAJOR CODE: 1240.20**

### HEALTH SCIENCES DIVISION

The Bachelor of Science degree in Dental Hygiene provides the opportunity to enter into a variety of dental health positions in teaching, research, administration, public health, private industry and other areas of hygiene practice, as well as application for entry into degree programs such as Master's in Dental Hygiene, Public Health, Oral Biology or Registered Dental Hygienist in Alternative Practice.

The purpose of medical and dental science is to enhance the health of individuals as well as populations. The dental hygienist, as an integral member of the dental health team, is qualified by education and license to provide primary care to patients for the maintenance of oral health and the prevention of oral disease. Dental hygienists use scientific evidence in the decision-making process impacting the oral health of individuals. The dental hygienist is expected to respect the diverse values, beliefs and cultures present with individuals and groups or communities served. Dental hygienists must support the right of the individual to have access to the necessary information and provide opportunities for dialogue to allow the individual patient to make informed decisions and to assure that ethical and legal standards are applied. Dental hygienists must abide by the American Dental Hygienist's Professional Standards of Care and Code of Ethics.

The Bachelor of Science in Dental Hygiene program is accredited by the Accrediting Commission for Community and Junior Colleges and the Commission on Dental Accreditation, and approved by the California Community Colleges Chancellor's Office, Los Angeles Community College District Board of Trustees, and The Dental Hygiene Committee of California. The Commissions are specialized accrediting bodies recognized by the Commission on Recognition of Post-Secondary Accreditation and by the United States Department of Education.

The Bachelor of Science in Dental Hygiene admission requirements are available from the Counseling Office or the Dental Hygiene Department. Admission is by special selection criteria. Dental Hygiene classroom, laboratory and clinical facilities are located at the West Los Angeles College campus. The students provide dental hygiene services at WLAC, UCLA School of Dentistry, Veteran Affairs Hospitals and other clinical facilities, MEND Community Clinic, Kids' Dental Clinic, Children's Dental Center and UCLA/Venice Dental Clinic. Students also observe and participate in

various specialty clinics at UCLA that include radiology, periodontics, and periodontics.

The curriculum is planned sequentially. Satisfactory completion of all courses with a grade of "C" or better in a given semester is required before the student may continue to the next semester in Dental Hygiene. All required courses in each semester are co-requisites and prerequisites for the subsequent semester. Candidates for graduation must satisfactorily complete the Dental Hygiene Program according to the Commission on Dental Accreditation and the Dental Hygiene Committee of California's Guidelines for curriculum.

**Note:** Courses are open only to students accepted into the Dental Hygiene Program, who have completed all CSU or IGETC General Education Breadth Requirement for certification and all dental hygiene pre-requisite courses. The program may require an application fee upon submission of the application. Applicants are required to attend an information session- The Test of Essential Academic Skills (TEAS®) score will be required as part of the admission process, as will an entrance exam. All pre-requisite courses must be passed with a 'C' or better. A minimum science GPA of 3.0, an overall GPA of 2.5, and a minimum of 60 units of degree applicable lower division coursework required. Dental assisting license and certifications and relevant work experience will also be considered for admittance. Students are encouraged to see a counselor for a Student Education Plan (SEP) for general education and pre-requisite requirements.

### Program Learning Outcomes:

The dental hygiene program will provide opportunities for the student to become competent through an active learning process of organizing, interpreting and synthesizing information. Educational activities will be provided that enable the learner to develop expertise by integrating fundamental knowledge, scientific principles and applied psychomotor skills. Upon successful completion of this program, students will be able to...

- The dental hygiene students must appreciate their role as health professionals at the local, state, and national levels. Students will demonstrate the necessary knowledge and values in legal regulations and ethical issues for the practice of dental hygiene.
- The dental hygiene students will demonstrate competency in the performance and delivery of oral health promotion and disease prevention service in public health, private practice and alternative settings. The dental hygiene students will be able to apply

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principles in assessment, diagnosis, planning, implementation and evaluation of treatment. The graduate must also be prepared to influence others to facilitate access to care and services.

- The students will demonstrate a thorough foundation in the biomedical, clinical, and behavioral sciences to achieve successful patient treatment outcomes. Students will utilize critical thinking, sound clinical judgment and cultural sensitivity with patients.

## PROGRAM COMPETENCIES

**Professionalism: Legal & Ethical Principles:** Dental Hygiene graduates must be competent in the ethical & legal principles underlying the practice of dental hygiene.

**Health Promotion and Disease Prevention:**

**Infection & Hazardous Waste Management:** Dental Hygiene graduates must be competent in infection & hazard control procedures to prevent the transmission of infectious diseases.

**Health Education Strategies:** Dental Hygiene graduates must be competent in health education strategies for the prevention of disease & the promotion of health for patients and the community.

**Patient Care: Dental Hygiene Process of Care:** Dental Hygiene graduates must be competent in assessing the oral health needs of diverse populations and providing comprehensive dental hygiene care for persons of all ages/stages of life.

## PREREQUISITE COURSEWORK

<b>Required courses</b>	<b>44</b>
ANATOMY 001 Introduction to Human Anatomy	4
ANTHRO 102 Cultural Diversity	3
CHEM 060 Introduction to General Chemistry	5
OR	
CHEM 051 Fundamentals of Chemistry	5
CHEM 066 Organic & Biochemistry for Allied Health	5
OR	
CHEM 221 Biochemistry	5
COMM 101 Speech (Public Speaking)	3
ENGLISH 103 Composition and Critical Thinking	3
MATH 227 Statistics	4
MICRO 020 General Microbiology	4
PHYSIOL 001 Introduction to Human Physiology	4
POL SCI 001 The Government of the United States	3
PSYCH 001 General Psychology I	3
SOC 001 Introduction to Sociology	3
<b>Additional CSU GE or IGETC units</b>	<b>7-10</b>
(37-39 units, minus 29-30 major units that may be double-counted as GE)	

CSU-transferable elective units 6-9

**TOTAL 60**

## UPPER DIVISION COURSEWORK

<b>Required Dental Hygiene courses</b>	<b>56</b>
DEN HY 300 Principles of Dental Hygiene	3
DEN HY 311 Dental Hygiene Clinical I	2
DEN HY 314 Dental Morphology	2
DEN HY 354 Pathology-General and Oral	3
DEN HY 306 Anatomy of the Head and Neck	2
DEN HY 303 Infection Control in Dentistry	1
DEN HY 312 Radiology	2
DEN HY 308 Periodontics I	2
DEN HY 351 Clinical Dental Hygiene II	3
DEN HY 352 Care for Patients with Special Needs	1
DEN HY 355 Preventive Dentistry and Nutrition	3
DEN HY 356 Histology & Embryology of Oral Tissues	2
DEN HY 388 Introductory Seminar in Dental Hygiene	1
DEN HY 327 Local Anesthesia and Sedation Techniques	2
DEN HY 357 Biochemical Nutrition	3
DEN HY 389 Intermediate Seminar in Dental Hygiene	1
DEN HY 400 Cardiology and Occlusion	1
DEN HY 401 Clinical Dental Hygiene III	4
DEN HY 304 Dental Health Education and Practicum	2
DEN HY 406 Periodontics II	1
DEN HY 415 Dental Material & Expanded Functions	3
DEN HY 489 Advanced Seminar in Dental Hygiene I	1
DEN HY 410 Emergencies in Dental Practice	1
DEN HY 450 Advanced Periodontal Seminar	1
DEN HY 451 Clinical Dental Hygiene IV	5
DEN HY 452 Law and Ethics of Dental Hygiene	2
DEN HY 305 Community Dental Health and Practicum	3
<b>Required general education courses*</b>	<b>9</b>
ANTHRO 322 Cultural Perspectives in Health and Healing	3
BIOLOGY 408 Pharmacology	3
ENGLISH 420 Research Design and Methodology	3
*Completed at West Los Angeles College	
<b>TOTAL</b>	<b>65</b>

Students are eligible to take the Dental Hygiene National Board Examination while in the last semester of senior year. Upon satisfactory program completion, students earn a Bachelor of Science Degree in Dental Hygiene, be eligible to

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take the licensing board practicum and state jurisprudence examination to obtain a license.

## RECOMMENDED COURSE SEQUENCE

<b>SEMESTER 1</b>		<b>17</b>
DEN HY 300	Principles of Dental Hygiene	3
DEN HY 311	Dental Hygiene Clinical I	2
DEN HY 314	Dental Morphology	2
DEN HY 354	Pathology-General and Oral	3
DEN HY 306	Anatomy of the Head and Neck	2
DEN HY 303	Infection Control in Dentistry	1
DEN HY 350	Preventive Dentistry	2
DEN HY 312	Radiology	2
<b>SEMESTER 2</b>		<b>17</b>
DEN HY 308	Periodontics I	2
DEN HY 351	Clinical Dental Hygiene II	3
DEN HY 352	Care for Patients with Special Needs	1
DEN HY 356	Histology & Embryology of Oral Tissues	2
DEN HY 388	Introductory Seminar in Dental Hygiene	1
DEN HY 327	Local Anesthesia and Sedation Techniques	2
DEN HY 357	Biochemical Nutrition	3
BIOLOGY 408	Pharmacology	3
<b>SEMESTER 3</b>		<b>15</b>
DEN HY 389	Intermediate Seminar in Dental Hygiene	1
DEN HY 400	Cardiology and Occlusion	1
DEN HY 401	Clinical Dental Hygiene III	4
DEN HY 304	Dental Health Education and Practicum	2
DEN HY 406	Periodontics II	1
DEN HY 415	Dental Material & Expanded Functions	3
ANTHRO 322	Cultural Perspectives in Health and Healing	3
<b>SEMESTER 4</b>		<b>16</b>
DEN HY 489	Advanced Seminar in Dental Hygiene	1
DEN HY 410	Emergencies in Dental Practice	1
DEN HY 450	Advanced Periodontal Seminar	1
DEN HY 451	Clinical Dental Hygiene IV	5
DEN HY 452	Law and Ethics of Dental Hygiene	2
DEN HY 305	Community Dental Health and Practicum	3
ENGLISH 420	Research Design and Methodology	3

*Approved by Dental Hygiene Faculty and Advisory Board  
2015*

(Approved by the board on 4/15/15 & Approved by Faculty on  
5/13/15)

For more information, call (310) 287-4464 or visit the Health  
Sciences website at [www.wlac.edu/Allied-Health/index.aspx](http://www.wlac.edu/Allied-Health/index.aspx)

or come to the Dental Hygiene Office located in building MSB  
room 100.

## REQUIRED COURSES

**NOTE:** The following upper division courses are open only to  
students enrolled in the Bachelor of Science Degree in Dental  
Hygiene program.

### DENTAL HYGIENE COURSES

#### **DEN HY 300 Principles of Dental Hygiene (3)**

*Prerequisite: CHEM 066.*

Open to enrolled students in Dental Hygiene (First Semester)  
This course provides the foundational clinical skills. Students  
will develop concepts of professionalism, scope of practice,  
standards of care, and clinical practice parameters to enable  
the student to apply strategies for comprehensive patient care.

#### **DEN HY 303 Infection Control in Dentistry (1)**

Open to enrolled students in Dental Hygiene (First Semester)

This course is designed to provide in-depth exploration of  
infection control concepts for the dental health care provider.  
Emphasis will be on principles and practical application in  
dentistry. Occupational Safety and Health Administration  
(OSHA), Environmental Protection Agency (EPA), Center for  
Disease Control (CDC) and other governmental agency  
standards will be presented.

#### **DEN HY 304 Dental Health Education and Practicum (3)**

*Prerequisites: DEN HY 308, 327, 351, 352, 356, 357, 388.*

*Students must be enrolled in the dental hygiene program and  
have satisfactorily completed the first year dental hygiene  
courses.*

*Corequisites: DEN HY 389, 400, 401, 406, 415*

This course explores the concepts and methods of preventive  
dentistry as they relate to the oral health of groups. This  
course will also introduce and develop research concepts and  
data collection and analysis for public health events in  
schools, communities, and various health care settings.

#### **DEN HY 305 Community Dental Health and Practicum (3)**

*Prerequisites: DEN HY 304, 389, 400, 401, 406, 415*

*Corequisites: 410, 450, 451, 452, 489*

This course provides in-depth concepts and methods of  
preventive dentistry as they relate to the oral health of groups.  
This course covers issues central to community dental health  
such as access to care, supply and demand, quality  
assurance, health financing, health policy, and community  
program development. This course includes a practicum  
component and is designed to provide experiences in program  
planning and implementation at various governmental and  
community settings. Smoking cessation and the recognition  
and reporting of abuse as mandated reporters are integrated.

## **DEN HY 306 Anatomy of the Head and Neck (2)**

Open to enrolled students in Dental Hygiene (First Semester)  
This course is designed to expand student knowledge of the anatomical structures of the head and neck, with focus on vasculature, nervous system innervation, and musculature. Emphasis will be on physiological, and biochemical aspects of the skull. Students will examine clinical correlations relevant for dental professionals in the clinical setting. Anatomical anomalies and pathology aspects will also be integrated.

## **DEN HY 308 Periodontics I (2)**

*Prerequisite: Open only to Dental Hygiene students who have completed all first semester Dental Hygiene courses attempted with a grade of "C" or better. (Second Semester)*

This course is designed to provide knowledge in periodontal disease etiology, histology, diagnosis and classification of periodontal diseases according to the Academy of Periodontology. Emphasis will be on principles of periodontal disease preventive therapy, treatment planning, reassessment, implantology, periodontal surgical procedures, supportive periodontal therapy and referral to periodontal specialty practice.

## **DEN HY 311 Pre-Clinical Dental Hygiene (2)**

Open to enrolled students in Dental Hygiene (First Semester)  
This course provides students the experience to discern and apply the knowledge gained in didactic courses into the clinical setting, including: infection control parameters, medical and dental assessments, interpretation of vital signs, oral cancer examination, periodontal instrumentation and other clinical techniques using clinical simulators and student partners.

## **DEN HY 312 Radiology (2)**

Open to enrolled students in Dental Hygiene (First Semester)  
This course is designed to examine the principles of dental radiographic techniques, including digital and conventional imaging. Topics include history of radiography, principles of processing, legal considerations, and radiation safety. Clinical applications include exposure technique, film processing, mounting and uploading of radiographs into the electronic medical record, charting and preparing and interpreting dental radiographs. Emphasis is placed on radiation safety and protection.

## **DEN HY 314 Dental Morphology (2)**

Open to enrolled students in Dental Hygiene (First Semester)  
This course is designed to provide the knowledge in anatomical concepts of the deciduous and permanent dentition. Emphasis is on comparative coronal and root anatomy, dental terminology, tooth morphology, the relationship of occlusion and function of the maxilla and mandible, and the role of occlusion to supporting facial musculature and other oral structures.

## **DEN HY 327 Local Anesthesia, Sedation Techniques (3)**

*Prerequisite: Open only to Dental Hygiene students who have completed all first semester Dental Hygiene courses attempted with a grade of "C" or better. (Second Semester)*

This course will cover the theory and clinical methodology for pain control and anxiety management through the use of local anesthesia techniques in dentistry; anesthetic compounds, conscious sedation (inhalation-nitrous oxide and oxygen), safety measures, and management of medical complications. This course meets the Dental Hygiene Board of California, California Code of Regulation, Section 1107 updated in 2017..

## **DEN HY 350 Preventive Dentistry (2)**

Open to enrolled students in Dental Hygiene (First Semester)  
This course is designed to provide knowledge on the preservation of oral health, tooth structures and gingival tissues, and the prevention of oral disease. Emphasis will be on etiologic factors, risk assessment and integration of preventative strategies and skills necessary for the management of periodontal disease and dental caries through effective patient education and behavior modification techniques and motivation.

## **DEN HY 351 Clinical Dental Hygiene II (3)**

*Prerequisites: DEN HY 300, 303, 306, 311, 312, 314, 350, 354*  
*Corequisites: DEN HY 308, 327, 352, 356, 357, 388*

Students will build on knowledge and skills learned in prior semester didactic and lab classes and integrate into the clinical setting. Emphasis of learning will be on Periodontal therapy for re-care and maintenance patients with mild to moderate active disease. In a variety of clinics; students will provide dental hygiene services to geriatric, adults, children and medically compromised patients.

## **DEN HY 352 Care for Patients with Special Needs (2)**

*Prerequisite: Open only to Dental Hygiene students who have completed all first semester Dental Hygiene courses attempted with a grade of "C" or better. (Second Semester)*

This course is designed to provide the dental hygienist with concepts pertaining to individuals with special needs, the issues they face, referral to supportive services, and dental treatment modalities to meet their needs; Emphasis will be on medical, behavioral, physical and psychological considerations for the special population. Students will integrate the parameters of the American Disabilities Practice Act to a classroom and co-requisite clinical setting.

## **DEN HY 354 Pathology-General and Oral (3)**

Open to enrolled students in Dental Hygiene (First Semester)  
This course is designed to provide concepts in etiology, pathogenesis of major human diseases, and the effects of these conditions to clinical and histologic features of oral diseases. Students learn to recognize and interpret tissue responses to antigens, allergic reactions, and assess lesions that occur in the oral cavity, jaws, and neck and formulate a differential diagnosis of lesions seen in the practice of dentistry to make appropriate referrals.

## **DEN HY 356 Histology and Embryology of Oral Tissues (2)**

*Prerequisite: Open only to Dental Hygiene students who have completed all first semester Dental Hygiene courses attempted with a grade of "C" or better. (Second Semester)*

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This course includes the theory of the embryological human development of the oral cavity and identification and classification of normal and abnormal conditions of the oral cavity and supporting structures during development.

## **DEN HY 357 Biochemical Nutrition (3)**

*Prerequisite: Open only to Dental Hygiene students who have completed all first semester Dental Hygiene courses attempted with a grade of "C" or better. (Second Semester)*

This course integrates the concepts of organic chemistry and bio-chemistry. The student will apply the nutritional principles of the human body to execute the dental hygienist's role as a nutritional educator. Topics include molecular structure, carbohydrates, proteins, nutrition and digestion, bio-energetic, nutritional aspects, nutritional disorders and dietary assessment.

## **DEN HY 388 Introductory Seminar in Dental Hygiene (1)**

*Prerequisite: Open only to Dental Hygiene students who have completed all first semester Dental Hygiene courses attempted with a grade of "C" or better. (Second Semester)*

This course is designed for group discussion on best practices for dental hygiene clinical care. Discussions will center on accumulated theoretical knowledge, clinical experience and case studies for level I Clinical Dental Hygiene practice. Techniques in advanced instrumentation, and e-portfolio concepts will be presented.

## **DEN HY 389 Intermediate Seminar in Dental Hygiene (1)**

*Prerequisite: Open only to Dental Hygiene students who have completed all second semester Dental Hygiene courses attempted with a grade of "C" or better. (Third Semester)*

This course is designed to build on the knowledge from the junior year Introductory Seminar Course. The students will collaborate with peers and faculty on best practices for dental hygiene clinical care and the senior level capstone project. Discussions and exercises will center on accumulated theoretical knowledge, clinical experience and case studies for level II Clinical Dental Hygiene practices.

## **DEN HY 397 Special Projects in Dental Hygiene (1)**

*Prerequisite: Open only to Dental Hygiene students who have completed all second semester Dental Hygiene courses attempted with a grade of "C" or better. (Third Semester)*

This course allows dental hygiene students and graduates to pursue special projects in dental hygiene on a contract basis under the direction of a supervising instructor.

## **DEN HY 400 Cardiology and Occlusion (1)**

*Prerequisite: Open only to Dental Hygiene students who have completed all second semester Dental Hygiene courses attempted with a grade of "C" or better. (Third Semester)*

This course provides concepts related to normal and abnormal occlusal function, assessment of Temporal Mandibular Joint Disorder and treatment options for dental tissue pathology as it relates to cariology and occlusion. Emphasis will be on aspects of occlusal dysfunction, dental caries, dental hypersensitivity and dental trauma. The student will gain the

knowledge to identify, document, and make a differential diagnosis for patient referrals.

## **DEN HY 401 Clinical Dental Hygiene III (4)**

*Prerequisites: DEN HY 308, 327, 341, 342, 345, 357, 388*

*Corequisites: DEN HY 304, 389, 400, 406, 408, 415*

This course is designed to evaluate the integration of the medical and dental assessments, provide periodontal instrumentation and integrate the skills necessary for the prevention and treatment of oral disease. Emphasis will be on the assessment, treatment and re-evaluation of the dental patient with active moderate to advanced periodontal disease and the medically compromised patient: Level III periodontal case.

## **DEN HY 406 Periodontics II (1)**

*Prerequisite: Open only to Dental Hygiene students who have completed all second semester Dental Hygiene courses attempted with a grade of "C" or better. (Third Semester)*

This course is designed to analyze the anatomy, histology and pathogenesis of the periodontium, and how they are correlated with the surgical and non-surgical therapy strategies currently in use. Emphasis will be on disease prevention, assessment, treatment planning and referral to specialty referrals.

## **DEN HY 410 Emergencies in Dental Practice (1)**

*Prerequisite: Open only to Dental Hygiene students who have completed all third semester Dental Hygiene courses attempted with a grade of "C" or better. (Fourth Semester)*

This course is designed to provide knowledge in the methods of medical and dental emergency prevention and management in the dental office. Emphasis is on recognizing signs, symptoms, and treatment of the more common medical emergencies which may occur in the dental setting. Drugs and equipment that are utilized in the management of medical emergencies are applied through case scenarios and in the clinical setting.

## **DEN HY 415 Dental Materials and Expanded Functions (3)**

*Prerequisite: DEN HY 355.*

*Open only to Dental Hygiene students who have completed all second semester Dental Hygiene courses attempted with a grade of "C" or better. (Third Semester)*

This course is designed to provide students with the knowledge of the material properties, composition and manipulation of materials used in dentistry. The study of dental materials enables the dental hygienist to understand and assess the conduction of various materials, and provides a scientific rationale for selecting, using and understanding the varied relationships of dental biocompatible-materials.

## **DEN HY 450 Advanced Periodontal Seminar (1)**

*Prerequisite: Open only to Dental Hygiene students who have completed all third semester Dental Hygiene courses attempted with a grade of "C" or better. (Fourth Semester)*

This course is designed to enable students to enhance and

develop knowledge applicable in the treatment of patients with advanced periodontal disease. Concepts of implantology, grafts, surgical, and non-surgical periodontal therapy modalities are emphasized.

### **DEN HY 451 Clinical Dental Hygiene IV (5)**

*Prerequisite: Open only to Dental Hygiene students who have completed all third semester Dental Hygiene courses attempted with a grade of "C" or better. (Fourth Semester)*

This course is designed to provide advanced clinical experience in performing treatment for a variety of clinical patient cases. Students use local anesthesia, nitrous oxide sedation, oral antimicrobials, and dietary analysis. Licensing Board Examination requirements and protocol, are reviewed and simulated through practical exercises. Identification of an appropriate patient for licensure examination is made.

### **DEN HY 452 Law and Ethics of Dental Hygiene (2)**

*Prerequisite: Open only to Dental Hygiene students who have completed all third semester Dental Hygiene courses attempted with a grade of "C" or better. (Fourth Semester)*

Students study ethical theories and issues related to the practice of dental hygiene and professionalism. A personal philosophy of professional conduct, continuous quality assurance and self-assessment is explored. Fundamental factors necessary to practice within existing regulatory frameworks are stressed.

### **DEN HY 461 Teaching Methodology in Health Careers (3)**

*Prerequisites: ENGLISH 101. This course is part of the new bachelor's program in dental hygiene and enrollment is limited to students accepted into the bachelor's degree in dental hygiene program.*

This course is designed to provide instructional theories and their practical application. Students will be prepared in the art and science of teaching and demonstrate competency in developing and implementing critical teaching methods. Teaching methodologies are presented through the topics of classroom, clinic and laboratory management including lesson planning, instructional aides, assessment tools and instructional practice.

### **DEN HY 462 Survey of Oral Health Care Systems (3)**

*Prerequisites: ENGLISH 101. This course is part of the new bachelor's degree program in dental hygiene and enrollment is limited to students accepted/enrolled in the bachelor's degree in dental hygiene program.*

This course will examine Public Health issues, policies and services that effect health care and oral health. Exploration of the dental hygienists' role in public health services and community-based programs is included. Topics that will be covered include an in depth review of assessment, planning and implementation of community-based programs, the grant process and the impact of the direct access provider on programs and initiatives.

### **DEN HY 463 Health Careers Research and Capstone Project (3)**

This course provides an introduction to the capstone project and evaluation of scientific evidence-based literature. Basic research design components and writing skills will be discussed. Analysis of career options for the health sciences as well as an in-depth discussion of health science education including teaching methodology and learning styles are included in this course. This is an upper division course, under the pilot program (SB 850), allowing for granting the Baccalaureate Degree in the community college setting.

### **DEN HY 489 Advanced Seminar in Dental Hygiene (1)**

*Prerequisite: Open only to Dental Hygiene students who have completed all third semester Dental Hygiene courses attempted with a grade of "C" or better. (Fourth Semester)*

This course will center on case reasoning for Clinical Dental Hygiene care. Accumulated theoretical knowledge will be related to practical clinical applications.

## **UPPER DIVISION GENERAL EDUCATION COURSES**

### **ANTHRO 322 Cultural Perspectives in Health and Healing**

*Prerequisite: Open only to Dental Hygiene students who have completed all second semester Dental Hygiene courses attempted with a grade of "C" or better. (Third Semester)*

This course provides an introduction to the field of medical anthropology – the study of human health, disease and curing from a cross-cultural, historical, archeological, and evolutionary perspective. Societies throughout the world recognize certain bodily, emotional, and mental conditions as undesirable and in need of change. Individual and societal definitions of disease and responses to illness are shaped by biological characteristics, social dynamics, cultural values, and collective expectations. In this course we will examine various theories, methods, and frameworks in order to explore how health, illness, and healing are conceptualized and experienced in different cultures. Topics will include: medical ecology, cultural and political ecologies of disease, gender and health, medical systems as cultural systems, international health issues and programs, mental illness, and social definitions of health and illness.

### **BIOLOGY 408 Pharmacology (3)**

*Prerequisite: Open only to Dental Hygiene students who have completed all first semester Dental Hygiene courses attempted with a grade of "C" or better. (Second Semester)*

This course is designed to classify and study therapeutic agents commonly encountered when treating medically compromised patients. Students learn chemical and physical properties, therapeutic effects, and methods of administration, dosage, contraindications and side effects of these agents. Emphasis will be placed on those drug groups especially relevant to dental practice including analgesics, sedatives, local anesthetics, nitrous oxide, anti-infective, antibiotics, and anti-viral drugs. In addition, the most common classes of drugs the dental patient is taking in the management of common diseases and disorders will be covered, including autonomic drugs, cardiovascular drugs, antihistamines, anti-inflammatory drugs, and anti-neoplastic drugs.

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## **ENGLISH 420 Research Design and Methodology (3)**

*Prerequisite: Open only to Dental Hygiene students who have completed all third semester Dental Hygiene courses attempted with a grade of "C" or better. (Fourth Semester)*

This advanced course prepares students to develop a research project as well as evaluate scientific evidence-based literature. Research design components and methodology will be discussed, as well as evaluation of scientific evidence-based literature and a capstone project. This is an upper division course, under the SB850 pilot project and only open to students in the baccalaureate degree program.