Dental Hygiene

The program leading to a baccalaureate degree in dental hygiene is designed to prepare the graduate to successfully enter the oral health profession of dental hygiene in any one of the six designated roles of the dental hygienist as defined by the American Dental Hygienists’ Association: clinician, educator, entrepreneur, and corporate researcher. In addition, the graduates are prepared to continue their education in graduate or professional programs. The curriculum is designed to assist students in the development of knowledge, skills, attitudes and values that will enable them to adapt to a complex and changing health care delivery system. Special emphasis is placed on the development of skills related to periodontal disease, skills and attitudes to meet the needs of the geriatric population, and access to care for those persons unable to attain care, especially the underserved rural segment of the population. A minimum grade of C for all dental hygiene courses is required to maintain enrollment in the Dental Hygiene professional sequence. Dental hygiene courses typically are taught one time in an academic year. A student who fails a course (or drops out of the dental hygiene sequence) must reapply to the dental hygiene program and will be required to take necessary clinic courses for further integration into the professional sequence.

Dental hygiene is a licensed profession. In order to meet licensure requirements, the student must graduate from an accredited program and successfully pass a written National Board Dental Hygiene Examination, as well as the appropriate State/Regional (Clinical) Board Examination.

Admission requirements to the applicant pool are the same as those to the University. Once accepted into the University, the student must submit a separate application to the Dental Hygiene program. In order to be considered for admission into the professional sequence, you must be accepted into Southern Illinois University Carbondale and have completed a minimum of 29 semester hours of college credit. These hours must include the following courses or approved substitutions: ENGL 101, ENGL 102, MATH 108, PSYC 102, SOC 108, MICR 201, AH 105, AH 241 and CHEM 106. Prospective students may complete the University Core Curriculum and the basic science courses at other colleges or universities as well as at SIU. Thirty-six students begin the professional sequence in the fall semester. In addition to textbooks and tuition, other expenses are required to cover the cost of instruments, uniforms and other professional supplies. Contact the Dental Hygiene program for specifics.

The Dental Hygiene program offers an on-site clinic to provide the student with practical clinical instruction. Students perform dental hygiene services in the clinic under the direct supervision of dental hygiene faculty composed of licensed dental hygienists and licensed dentists. Students also are involved in the provision of care and education through a variety of community projects. An advisory committee composed of representatives from community dental practices, dental education and dental industry serves the program.

The program also is designed to serve as a degree completion program for dental hygienists who have completed an associate degree in dental hygiene from any accredited dental hygiene program. The Capstone Option is available to students who have obtained an Associate in Applied Science with a 2.0 (4.0 scale) or higher GPA.

The Dental Hygiene program has a Linkage Agreement with Southeastern Illinois College, Kaskaskia College and Shawnee College. If you have questions about this agreement, contact the community college advisor or SIU School of Allied Health at 618/453-7211.

The program in Dental Hygiene is accredited by the Commission on Dental Accreditation, a specialized accrediting body recognized by the Commission on Recognition of Post-secondary Accreditation and by
Bachelor of Science in Dental Hygiene, College of Applied Sciences and Arts

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<tr>
<th>Degree Requirements</th>
<th>Credit Hours</th>
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<td>University Core Curriculum - including CHEM 106, MATH 108, MICR 201, PSYC 102, SOC 108, HND 101.</td>
<td>41</td>
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<tr>
<td>Requirements for Major in Dental Hygiene - including:</td>
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<td>DH 200, DH 206, DH 206L, DH 207, DH 207C, DH 210,</td>
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<td>DH 210L, DH 212, DH 218, DH 218L, DH 219, DH 219L,</td>
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<td>DH 220, DH 220C, DH 226, DH 233, DH 247, DH 247L,</td>
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<td>DH 320, DH 320C, DH 322, DH 322L, DH 340, DH 341,</td>
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<td>DH 441, DH 441C, DH 448, and DH 448L.</td>
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<td>Total</td>
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1 These courses are required for a major in dental hygiene and are approved substitutions for the University Core Curriculum requirements in science. The additional hours will be included in the total hours required for the degree.

Education and Management Option

This option is designed to allow dental hygienists with an associate degree the opportunity to study educational theories, philosophies, styles, and techniques. Additionally, the student will be introduced to management concepts as they relate to health care. The primary focus of the education and management option is to allow students who wish to enter either dental hygiene education or management the opportunity to learn and develop the skills necessary for success in these two environments. Students will be required to complete an internship in their chosen area of emphasis (if state licensure is feasible) or an undergraduate research project related to dental hygiene education or management.

Education and Management: Nine of the following courses must be taken: DH 345, DH 355, DH 411, DH 425A, DH 425B, DH 435, DH 480, DH 481, DH 482, in addition to one of the following courses: DH 475 or DH 476.

Dental Hygiene Courses

**DH199 - Individual Study** 199-1 to 10 Individual Study. Provides first-year students with the opportunity to develop a special program of studies to fit a particular need not met by other offerings. Enrollment provides access to the resources of facilities of the entire institution. Each student will work under the supervision of a sponsoring faculty member. Restricted to DH majors. Special approval needed from the school.

**DH200 - Orientation-Dental Hygiene** 200-2 Orientation to Dental Hygiene. The student will be introduced to the dental hygiene profession. Issues including patients’ rights, professional ethics, the state practice act, health promotion, and communication will be presented. Learning styles, test-taking strategies, research applications, using resources, and writing styles will be included. Restricted to DH majors.

**DH206 - Oral Anatomy/Tooth Morphology** 206-1 Oral Anatomy and Tooth Morphology. The student will learn to recognize and identify the structures within the oral cavity. These include the tongue, salivary
glands, lips and cheeks and teeth (both permanent and primary). Length of course: 16 weeks, one hour of lecture weekly. Concurrent enrollment in DH 206L. Restricted to DH majors only and approval from the School of Allied Health.

DH206L - Oral Anatomy Lab 206L-1 Oral Anatomy and Tooth Morphology Lab. The student will learn to recognize and identify the structures within the oral cavity, including the tongue, salivary glands, lips and cheeks and teeth (both permanent and primary). Laboratory emphasis will be placed on tooth identification and tooth/root morphology to enhance the application of instrumentation techniques. Length of course: 16 weeks, two hours of lab weekly. Concurrent enrollment in DH 206. Restricted to DH majors only and approval from the School of Allied Health or the DH program.

DH207 - Pre-Clinic 207-2 Pre-Clinic. DH 207 is the lecture portion of the pre-clinical course which introduces the student to fundamentals of dental hygiene theory, foundational instrumentation techniques, infection control protocol, and clinical policies. Two hours of lecture weekly. Length of course: 16 weeks. Taken concurrently with DH 207C. Must be accepted into professional sequence. Restricted to DH majors only and approval from the School of Allied Health or the DH program.

DH207C - Pre-Clinic Instrumentation 207C-2 Pre-Clinic Instrumentation. DH 207C is a pre-clinical course which introduces the student to hands-on experiences with the fundamentals of dental hygiene theory, foundational instrumentation techniques, infection control protocol, and clinical policies. Students must demonstrate clinical competence with various skills involving classmates, typodonts, clinical equipment, and clinical policies. Four hours of lab weekly. Length of course: 16 weeks. Taken concurrently with DH 207 lecture. Must be accepted into professional sequence. Restricted to DH majors only and approval from the School of Allied Health or the DH program. The sophomore cohort entering the professional sequence for dental hygiene are required to have specific instruments and supplies upon starting their first clinical semester. The instruments are used throughout the dental hygiene program beginning the sophomore year through graduation. This program fee of $1,700 is applied upon registration in DH 207C.

DH210 - Patient Assessment Techniques 210-2 Patient Assessment Techniques. Assessment theory and techniques are taught to prepare the student to successfully recognize and record normal and abnormal intraoral and extraoral conditions. These assessment skills will be incorporated into treatment planning for individualized patient care. Weekly two hours of lecture. Length of course: 16 weeks. Restricted to DH majors only and approval from the School of Allied Health or the DH program.

DH210L - Patient Assessment Lab 210L-1 Patient Assessment Pre-Clinic Lab. Assessment theories and techniques are taught to prepare the student to successfully recognize and record normal and abnormal intraoral and extraoral conditions. Two hours pre-clinical lab. Restricted to DH majors only and approval from the School of Allied Health or the DH program. Lab fee: $35.

DH212 - Med Emerg & General Diseases 212-2 Medical Emergencies in the Dental Office and General Diseases. The student will learn about medical conditions which may affect or alter the provision of oral care. Emphasis is on acquiring and evaluating the medical, dental and drug history and treatment of general system diseases. Modification of treatment plans will be discussed. Lecture two hours, sixteen weeks. Prerequisite: Microbiology 201.

DH218 - Dental Hygiene Radiology I 218-2 Dental Hygiene Radiology I. The student is introduced to principles of radiation biology and protection, x-ray production, image formation, and intraoral radiographic techniques. Lecture two hours. Length of course: 16 weeks. Concurrent enrollment in DH 218L. Restricted to DH majors only and approval from the School of Allied Health or the DH program.

DH218L - Dent Hyg Rad I Practicum 218L-1 Dental Hygiene Radiology I Practicum. The student is introduced to principles of radiation biology and protection, x-ray production, image formation, and intraoral radiographic techniques. Lab two hours. Length of course: 16 weeks. Concurrent enrollment in DH 218. Restricted to DH majors only and approval from the School of Allied Health or the DH program. Lab fee: $35.

DH219 - Dental Hygiene Radiology II 219-2 Dental Hygiene Radiology II. The student will learn special dental survey techniques including paralleling, bisecting angle, digital, occlusal and special views. The student will also identify anatomical landmarks and recognize normal and pathological conditions that appear on dental images. Lecture two hours. Course length: 16 weeks. Prerequisites: DH 218, DH 218L
and DH 226 with grades of C or better. Concurrent enrollment in DH 219L. Restricted to DH majors only and approval from the School of Allied Health or the DH program.

**DH219L - Den Hyg Rad II Practicum** 219L-1 Dental Hygiene Radiology II Practicum. The student will learn special dental survey techniques including paralleling, bisecting angle, digital, occlusal and special views. The student will also identify anatomical landmarks and recognize normal and pathological conditions that appear on dental images. Laboratory two hours. Course length: 16 weeks. Prerequisites: DH 218, DH 218L, and DH 226 with a minimum grade of C. Concurrent enrollment in DH 219. Restricted to DH majors only and approval from the School of Allied Health or the DH program. Lab fee: $50.

**DH220 - Dental Hygiene Clinic I** 220-2 Dental Hygiene Clinic I. This course expands on theory and the clinical application of dental hygiene sciences. Includes introduction to dental hygiene clinic policies and procedures, professional conduct, patient assessment, clinical decision-making, treatment modalities, and care plan development. Emphasis is placed on the development of critical thinking skills as applied to the provision of patient care. Lecture two hours. Prerequisites: DH 206, DH 206L, DH 207, DH 207C, DH 210, DH 210L, DH 218, DH 218L, DH 226 with grades of C or better. Concurrent enrollment in DH 220C. Restricted to DH majors only and approval from the School of Allied Health or the DH program.

**DH220C - Dental Hygiene Clinic I** 220C-2 Dental Hygiene Clinic I. The student will apply knowledge and utilize techniques to assess the oral health status, plan and implement treatment, and evaluate outcomes related to improved oral health. The student will provide preventive, therapeutic, and educational services to clinical patients for the treatment and prevention of oral disease. Clinic 8 hours. Prerequisites: DH 206, DH 206L, DH 207, DH 207C, DH 210, DH 210L, DH 218, DH 218L and DH 226 with grades of C or better. Restricted to DH majors only and approval from the School of Allied Health or the DH program. Laboratory fee: $50.

**DH226 - Anatomy of the Head & Neck** 226-2 Anatomy of the Head and Neck. The goal of this course is for the dental hygiene student to acquire clinical problem solving skills through a basic understanding of the gross anatomy of the head and neck region of the human body. Through a regional approach to the head and neck, the student will be able to synthesize solutions to clinical problems by understanding the morphological and functional interrelationships of anatomical structures. 16 weeks. Two credit hours. Restricted to DH majors.

**DH233 - Histology & Embryology** 233-2 Histology and Embryology. The goal of this course is to enable the dental hygiene student to develop a basic understanding of the microscopic structure of the primary and dental tissue groups of the human body. This course also enables the student to relate embryonic development to the normal and abnormal structures of the head and oral cavity. This background will prepare the student to differentiate between normal and abnormal clinical manifestations in subsequent courses. 16 weeks. Two credit hours. Restricted to DH majors.

**DH247 - Preventive Oral Care** 247-2 Preventive Oral Care. The student will prepare for the role of oral health educator and consumer advocate. The dental hygiene process of assessment, planning, implementation and evaluation is applied for the prevention of oral disease. Each week in the 16-week course is two hours of lecture. Prerequisites: MICR 201, DH 210, DH 210L, DH 207, DH 207C, DH 226 with grades of C or better. Concurrent enrollment in DH 247L. Restricted to DH majors only and approval from the School of Allied Health or the DH program.

**DH247L - Preventive Oral Care Practicum** 247L-1 Preventive Oral Care Practicum. The student will prepare for the role of oral health educator and consumer advocate. The dental hygiene process of assessment, planning, implementation and evaluation is applied for the prevention of oral disease. Laboratory techniques for assessing disease processes will be applied. Two hours of laboratory per week. Length of course: 16 weeks. Prerequisites: MICR 201, DH 207, DH 207C, DH 210, DH 210L, DH 226 with grades of C or better. Concurrent enrollment in DH 247. Restricted to DH majors only and approval from the School of Allied Health or the DH program. Lab fee: $35.

**DH298 - Multicultural Appl Experience** 298-3 Multicultural Applied Experience. An applied experience, service-oriented course in American diversity involving a group different from the student who elects the course. Difference can be manifested by things such as age, gender, ethnicity, nationality, political affiliation, race, or class. Satisfies the multicultural requirement in the University Core Curriculum.
DH299 - Individual Study 299-1 to 16 Individual Study. Provides students with opportunity to develop a special program of studies to fit a particular need not met by other offerings. Enrollment provides access to resources of the facilities of the entire institution. Each student will work under the supervision of a sponsoring staff member. Restricted to DH majors.

DH310 - Infection Control 310-2 Infection Control/Safety and Health. This course is designed to provide students with basic information on infection control and occupational health and safety from a theoretical basis to practical application utilizing case based problem solving when applicable. Occupational hazards found in the dental environment, including infectious agents, chemical hazards and ergonomic issues will be discussed and explored. Practical experience developing and managing a safety and health program will be gained with hands-on experience in various clinical settings. Lecture two hours. Prerequisite: DH 220.

DH319 - Occupational Internship 319-1 to 15 Occupational Internship. Each student will be assigned to a University approved organization engaged in activities related to the student’s academic program and career objectives. The student will perform duties and services as assigned by the preceptor and coordinator. Reports and assignments are required to be completed by the student. Hours and credits to be individually arranged. Mandatory Pass/Fail.

DH320 - Dental Hygiene Clinic II 320-2 Dental Hygiene Clinic II. Students will use research, discussions, and professional judgment to provide comprehensive dental hygiene treatment plans. This course will introduce power instrumentation techniques, patient management, professionalism, and tobacco cessation education. It will also prepare the dental hygiene student for safe, effective administration of local anesthesia. Dental management software will also be introduced. Lecture two hours. Must be taken concurrently with DH 320C, DH 340, DH 341 and DH 341L. Prerequisites: DH 206, DH 206L, DH 210, DH 210L, DH 219, DH 219L, DH 220, DH 220C, DH 226 with grades of C or better.

DH320C - Dental Hygiene Clinic II 320C-2 Dental Hygiene Clinic II. This is the third course in a series of clinical courses that lead to the achievement of integrated objectives for the clinical dental hygiene practice. The student is expected to continue to develop progressively in the application of clinical skills in order to provide preventive, educational, and therapeutic services to the public. Information and skills from basic science, dental science, and the behavioral sciences will be utilized to provide individualized client/patient care. The student will perform professional services of a hygienist on designated clinical clients/patients and is expected to demonstrate improvement of skills. Eight hours of clinic. Must be taken concurrently with DH 320, DH 340, DH 341, DH 341L. Prerequisites: DH 206, DH 206L, DH 210, DH 210L, DH 219, DH 219L, DH 220, DH 220C and DH 226 with grades of C or better. Restricted to DH majors only and approval from the School of Allied Health or the DH program. The junior cohort entering the professional sequence for dental hygiene are required to have specific instruments and supplies upon starting their third clinical semester. Instrument fee: $456.

DH322 - Operative Procedure 322-1 Operative Oral Care and Adjunctive Procedure. This course includes an overview of various materials and procedures used in operative, endodontic, orthodontic and prosthetic dentistry. Emphasis is placed on the role of dental hygienists in explaining these procedures to clients/patients and in adapting dental hygiene services. One hour of lecture. Prerequisites: DH 320, DH 320C with grades of C or better. Concurrent enrollment in DH 322L. Restricted to DH majors only and approval from the School of Allied Health or the DH program.

DH322L - Operative Lab 322L-1 Operative Oral Care and Adjunctive Procedures Lab. Adjunctive procedures that augment operative care are taught in this laboratory. Two hours of lab. Prerequisites: DH 320, DH 320C with grades of C or better. Concurrent enrollment in DH 322. Restricted to DH majors only and approval from the School of Allied Health or the DH program. Laboratory fee: $50.

DH340 - Dental Pharmacology 340-3 Dental Pharmacology & Pain Control. This course is designed to teach the student about different drugs used in dentistry, the biochemical activity of each, and appropriate use, interactions with other drugs or systemic conditions, and some basic pharmacology terminology. Pharmacotherapeutics will be presented to the dental hygiene student in a meaningful, practical manner. Emphasis will be placed on clinical efforts, dosages, adverse effects and contraindications of drugs commonly prescribed in dentistry or which patients may be taking under direction of other health care providers or under self-direction. Information will be presented from a perspective including the pharmacological basis for drugs, the need for and use of a medical history and legal aspects related to
DH341 - Periodontics 341-2 Periodontics. The student will be introduced to identification, treatment and prevention of pathological conditions that affect the periodontium. Includes assessment, diagnosis, and initial treatment of periodontal diseases. Emphasis will be placed on anatomy and histology of normal periodontal tissues, etiology of periodontal diseases and resulting tissue changes. Lecture two hours. Length of course: 16 weeks. Prerequisites: DH 212, DH 220, DH 220C, and DH 226 with grades of C or better, and concurrent enrollment in DH 340 and DH 341L.

DH341L - Periodontics Practicum 341L-1 Periodontics and Local Anesthesia Practicum. The student will be introduced to the identification, treatment, and prevention of pathological conditions that affect the periodontium. Emphasis will be placed on anatomy and histology of the periodontium. Etiology of periodontal diseases and resulting tissue changes. Includes assessment, diagnosis, and initial treatment of periodontal diseases. The course will also provide a working knowledge of local anesthesia as applied to the practice of dental hygiene. Students will be provided with the knowledge and skills necessary to administer both maxillary (infiltration) and mandibular (block) injections proficiently and safely. Lab two hours. Concurrent enrollment in DH 340, DH 341 required. Prerequisites: DH 212, DH 220, DH 220C, DH 226 with grades of C or better. Laboratory fee: $50.

DH345 - Intro to DH Management 345-3 Introduction to Dental Hygiene Management. (Same as RAD 345) This course focuses on the unique management issues involved in dental hygiene and dental offices. These problems include federal and state laws unique to dentistry and dental hygiene, and medical-legal issues of patient care. Best practices of practice management will be explored as applied to settings such as corporate dentistry, federally qualified health centers, government agencies, and privately owned dental practices. 16 weeks.

DH347 - Community Oral Health I 347-2 Community Oral Health I. The student is introduced to the general principles of dental public health, community dentistry and epidemiology. Also presented is an overview of current community based oral health programs and roles of a community based dental hygienist. Lecture two hours. 16 weeks. Prerequisites: DH 247, DH 247L with grades of C or better.

DH349 - Oral Pathology 349-3 Oral Pathology. This course has been designed to integrate the knowledge of general and oral pathology into clinical care. Pathologic physiology, including tissue regeneration, the inflammatory process, immunology and wound healing will be emphasized. Special attention will be placed on common pathological conditions of the oral cavity and early recognition of these conditions. Lecture 3 hours, sixteen weeks. Prerequisites: DH 210, DH 210L, DH 212, DH 226, and DH 233 with grades of C or better. Restricted to DH majors only and approval from the School of Allied Health or the DH program.

DH355 - DH Clinic III 355-2 Dental Hygiene Clinic III. This course will introduce nutritional counseling, implant maintenance, CDT codes. Continued focus on anesthesia, case studies and patient management. Students will be introduced to criteria for board patient selection. Two hour lecture. Must be taken concurrently with DH 355C. Prerequisites: DH 320, DH 320C, DH 340, DH 341, DH 341L with grades of C or better. Restricted to DH majors only and approval from the School of Allied Health or the DH program.

DH355C - Dental Hygiene Clinic III 355C-2 Dental Hygiene Clinic III. This is the fourth clinical course in a series that leads to the achievement of specific objectives for the clinical dental hygiene practice. The student will maintain and develop clinical skills, preventive care and provide dental education to each patient they encounter. This care will also include successful treatment modalities, dental hygiene care planning and continuous care in a recall system. The student will provide comprehensive individualized treatment using all aspects of dental hygiene care in the clinical setting. Emphasis is on mastery of skills and techniques previously introduced. Eight hours of clinic. Must be taken concurrently with DH 355. Prerequisites: DH 320, DH 320C, DH 340, DH 341, DH 341L with minimum grades of C. Restricted to DH majors only and approval from the School of Allied Health or the DH program. Laboratory fee: $75.

DH365 - Teaching Strategies DH 365-3 Teaching Strategies in Dental Hygiene. (Same as RAD 355) This course is designed to introduce the prospective dental hygiene educator to philosophies and strategies required to successfully instruct students in dental hygiene. Emphasis is on instruction and evaluation of didactic and clinical skills. Focus includes curriculum planning, curriculum development,
curriculum implementation, curriculum evaluation, establishing and evaluating goals and objectives, and designing and delivering instruction for teaching psychomotor skills.

DH401 - DH Practicum 401-2 Dental Hygiene Practicum. The student will learn curriculum development, evaluation methods, theories of learning, and instructional strategies. Not for graduate credit. Lecture two hours, practicum four hours. Prerequisites: DH 355, DH 355C with grades of C or better. Concurrent enrollment in DH 441, DH 441C, DH 401L. Restricted to DH majors only and approval from the School of Allied Health.

DH401L - DH Practicum Lab 401L-2 Dental Hygiene Practicum Lab. The student will participate in laboratory and clinical sessions emphasizing psychomotor development, feedback, and identification of cognitive, psychomotor, and affective behaviors, and faculty calibration. Not for graduate credit. Practicum four hours. Prerequisite: DH 355, DH 355C with grades of C or better. Concurrent enrollment in DH 441, DH 441C, DH 401. Restricted to DH majors only and approval from the School of Allied Health or the DH program.

DH410 - Ethics 410-3 Ethics, Jurisprudence and Practice Management for Dental Hygienists. Ethical and legal issues related to the practice of dentistry and dental hygiene are studied. Case situations are evaluated to determine appropriate agreement in accordance with the principles of dental ethics and jurisprudence. Review and interpretation of dental practice acts and licensure requirements are included. The student integrates current knowledge of the dental hygiene field with additional information on employment issues, such as dental office procedures, resumes, staff relationships, career opportunities, etc. Prerequisites: DH 355, DH 355C with grades of C or better.

DH411 - Research Methods 411-3 Research Methods. (Same as RAD 415) This course will introduce the student to the various mechanisms by which scholarly and professional research are conducted. These include quantitative and qualitative methodologies, historiographical, and a mixed methods approach. Prerequisite: DH 476.

DH413 - Dental Hygiene Seminar 413-2 Dental Hygiene Seminar. This course is designed to assist senior dental hygiene students in preparing for the credentialing examinations and the other procedures required for obtaining a dental hygiene license. Course content will include review of dental hygiene curriculum content and requirements for licensure. Prerequisites: DH 355, DH 355C with grades of C or better.

DH417 - Multicultural Appl Exper DH 417-3 Multicultural Applied Experiences in Dental Hygiene. (Advanced University Core Curriculum course) A comprehensive approach to special needs patients and diverse populations. The oral health needs of rural, geriatric, minority, low income, medically compromised, disabled and other special needs populations will be addressed. Lecture three hours. Not for graduate credit. Prerequisites: DH 355, DH 355C, DH 448, DH 448L with grades of C or better (or concurrent enrollment in DH 448, DH 448L). Concurrent enrollment in DH 417. Restricted to DH majors only and approval from the School of Allied Health or the DH program.

DH417I - Multicultural Internship 417I-1 to 3 Multicultural Internship. Rotations through several clinical facilities providing dental hygiene services to a variety of patient population groups. Twelve internship hours. Not for graduate credit. Prerequisites: DH 355, DH 355C, DH 448 and DH 448L with grades of C or better or concurrent enrollment in DH 448 and DH 448L. Concurrent enrollment in DH 417. Restricted to DH majors only and approval from the School of Allied Health or the DH program. Laboratory fee: $50.

DH425A - Readings in DH Education 425A-3 Readings in Dental Hygiene Education. (Same as RAD 425A) The purpose of this course is to identify problems/issues within Dental Hygiene Education and Management and to present viable solutions to those problems/issues. Utilizing scholarly research and correlative research from other fields, the student will engage in integrated problem solving. This is an independent study course, conducted under the direction of a faculty member, and is a writing intensive course.

DH425B - Readings in DH Management 425B-3 Readings in Dental Hygiene Management. (Same as RAD 425B) The purpose of this course is to identify problems/issues within Dental Hygiene Education and Management and to present viable solutions to those problems/issues. Utilizing scholarly research and correlative research from other fields, the student will engage in integrated problem solving. This
is an independent study course, conducted under the direction of a faculty member, and is a writing intensive course.

**DH435 - Problems in DH Educ & Mgmt**
435-3 Problems in Dental Hygiene Education and Management. (Same as RAD 435) The purpose of this course is to identify problems/issues within Dental Hygiene Education and Management and to present viable solutions to those problems/issues. Utilizing scholarly research and correlative research from other fields, the student will engage in integrated problem solving. This is an independent study course, conducted under the direction of a faculty member, and is a writing intensive course.

**DH440 - Research Methods**
440-3 Research Methods and Interpretation. This course introduces the fundamental principles of scientific inquiry, research methodology and basic statistical analysis needed to critically assess health research and determine potential clinical application. The student will learn the process of evidence-based decision making, research principles and design, and the critical analysis of research articles culminating in the creation of a critical review article and poster. Not for graduate credit. Restricted to Dental Hygiene majors.

**DH441 - Advanced Periodontics**
441-3 Advanced Periodontics. Didactic instruction will emphasize clinical application of patient management skills including comprehensive individualized treatment for complex periodontal patients. Emphasis will be placed on comprehensive evaluation, risk assessment, treatment planning, pain control, adjunctive antibiotic therapy, instrumentation, soft tissue management, evaluation and maintenance. Lecture three hours. Not for graduate credit. Prerequisites: DH 355, DH 355C with grades of C or better. Concurrent enrollment in DH 441C, DH 401, DH 401L. Restricted to DH majors only and approval from the School of Allied Health or the DH program.

**DH441C - Dental Hygiene Clinic IV**
441C-3 Dental Hygiene Clinic IV. The student will provide comprehensive individualized treatment for complex periodontal patients. Emphasis will be placed on clinical application of patient management skills including comprehensive evaluation, risk assessment, treatment planning, pain control, adjunctive antibiotic therapy, instrumentation, soft tissue management, evaluation and maintenance. Clinic twelve hours. Not for graduate credit. Prerequisites: DH 355, DH 355C with grades of C or better. Concurrent enrollment in DH 441, DH 401, DH 401L. Restricted to DH majors only and approval from the School of Allied Health or the DH program. Laboratory fee: $75.

**DH448 - Community Oral Health II**
448-1 Community Oral Health II. Principles of community oral health are applied through practical experience. Programming phases of assessment, planning, implementation, and evaluation are studied in detail. Lecture one hour weekly. 16 weeks. Prerequisites: DH 347, CMST 101, ENGL 101 and ENGL 102 with grades of C or better. Concurrent enrollment in DH 448L. Restricted to DH majors only and approval from the School of Allied Health or the DH program.

**DH448L - Comm Oral Health Practicum**
448L-1 Community Oral Health Practicum. The student will develop and implement community dental health service and education programs according to programming principles. This course is writing intensive and reflects the College’s Communication-Across-the-Curriculum initiative. Practicum two hours. 16 weeks. Prerequisites: DH 347, CMST 101, ENGL 101 and 102 with grades of C or better. Concurrent enrollment in DH 448. Laboratory fee: $35.

**DH475 - Internship**
475-4 Internship. (Same as RAD 475) This course is designed to give real-world experience to future dental hygiene managers and educators by exposing them to classroom or healthcare and corporate management styles and real-life situations. This is accomplished through an integrated internship at either an educational program or a healthcare or corporate facility; 40 clock hours shall equal 1 credit hour. Prerequisites: DH 355 or DH 481.

**DH476 - Research Project**
476-4 Research Project. (Same as RAD 476) This course requires the selection and investigation of a research topic culminating in a paper to satisfy the research requirement for the Bachelor of Science degree in Dental Hygiene. Must have U.S. R.D.H. credentials. Prerequisite: DH 411. Restricted to SAH major/minor or with consent of SAH Academic Advisor.

**DH480 - The U.S. Health Care System**
480-3 The U.S. Health Care System. (Same as HCM 360, RAD 480) This course is a study of the major components which comprise the U.S. health care system. This course will focus primarily on basic terminology, history, settings, personnel, access to care, types of care, utilization of services, vulnerable populations and future challenges for the delivery of health care services. Students will closely review clinical aspects and terminologies as they relate to medical
conditions, medical equipment, and medical procedures for the purposes of interacting successfully with health care administrators, physicians/providers of care, and patients. This is a labor intensive course requiring extensive out-of-class study.

**DH481 - Org Behavior Health Care Orgs** 481-3 Organizational Behavior in Health Care Organizations. (Same as HCM 364, RAD 481) This course is an evaluation of relationships in healthcare organizations. Study of the motivational factors of those focused on patient care vs. those focused on profits and how to modify behaviors to achieve proper balance. Environmental factors of the healthcare field are evaluated for their impact on the behavior and employee-management relations of healthcare professionals and patient care providers. Promotes effective planning and organizing within the complex and highly regulated healthcare industry and assures alignment of organizational goals with the missions/visions/values as related to quality of patient life and organizational success. Restricted to SAH major/minor or with consent of SAH Academic Advisor.

**DH482 - Legal Aspects/Current Iss HC** 482-3 Legal Aspects and Current Issues in Health Care. (Same as HCM 388, RAD 482) Principles of law and the U.S. legal system are applied, in part, through case study and an exploration of current events, in the areas of health care management. Legal issues include malpractice, contracts, corporate liability of health care organizations, liability by health care professionals, and patient rights, along with a specific focus on legal aspects of managed care.

**Dental Hygiene Faculty**

Chen, Angela M., Clinical Assistant Professor, DDS, University of California, 1993.
Dailey, Tenley K., Clinical Instructor, M.B.A., Missouri Baptist University, 2014.
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