

Courses (DH)

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. Prerequisite: restricted to DH majors and consent of school.

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. Prerequisite: Acceptance into professional sequence or consent of school.

206-2 Oral Anatomy and Tooth Morphology. The student will learn to recognize and identify the structures within the oral cavity. These will include 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. 16 weeks, one hour of lecture weekly; two hours of lab weekly. Prerequisite: acceptance into professional sequence or consent of school.

207-3 Instrumentation Techniques. Fundamentals of dental hygiene instrumentation and infection control are taught to prepare students for clinical hygiene practice. Laboratory fee: \$35. Lecture one hour. Lab four hours. 16 weeks. Prerequisite: acceptance into the professional sequence.

210-3 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. Lecture two hours. Lab two hours. Lab fee: \$35. Prerequisite: acceptance into the professional sequence or consent of school.

212-1 Medical Emergencies in the Dental Office. 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. Modification of treatment plans will be discussed. Lecture one hour. 16 weeks. Prerequisite: Microbiology 201.

218-3 Dental 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. Laboratory two hours. Lab fee: \$35. Prerequisite: acceptance into the professional sequence or consent of school.

219-3 Dental Radiology II. The student will learn special dental survey techniques including paralleling, digital, occlusal and special views. The student will also identify anatomical landmarks and recognize pathological conditions that appear on dental x-ray receptors. In the laboratory, the student will receive individual assistance in radiographing patients and in learning special survey techniques. Lecture two hours. Laboratory two hours. Prerequisite: 218, 226.

220-3 Dental Hygiene Clinic I. This is the first in a series of three clinical courses that lead to the achievement of integrated objectives for clinical dental hygiene practice. The student will apply knowledge and utilize techniques learned in various dental hygiene courses in order 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. Lecture one hour. Clinic eight hours. Laboratory fee: \$50. Prerequisite: 201, 206, 207, 210, 218 and 226.

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. Prerequisite: acceptance into the professional sequence.

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. Prerequisite: acceptance into the professional sequence.

247-3 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. Laboratory techniques for assessing disease processes will be applied. Lecture two hours. Laboratory two hours. 16 weeks. Lab fee: \$35. Prerequisite: 126, 226 and Microbiology 201.

248-4 General and Oral Pathology. This course has been designed to integrate oral pathology and general pathology. Students will study principles of general pathology with emphasis on the relationships to manifestations and treatment of general system diseases are presented. Prerequisite: 210, 226, 233.

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 the resources of facilities of the entire institution. Each student will work under the supervision of a sponsoring staff member. Prerequisite: restricted to DH majors and consent of school.

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: 220.

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.

320-3 Dental Hygiene Clinic and Radiology II. The student will utilize previous and concurrent information and skills in the treatment of clinical patients. Instrumentation, patient assessment, prevention, radiology and care of special populations will be stressed. Adjunctive treatment methodologies will be introduced. Laboratory fee: \$50. Lecture one hour. Clinic eight hours. 16 weeks. Prerequisite: 210, 218, 220, 247, and 318.

322-2 Operative Oral Care and Adjunctive Procedures. 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. Adjunctive procedures which augment operative care are taught in laboratory. Lecture two hours. Lab two hours. 16 weeks. Lab fee: \$50. Prerequisite: 320.

340-3 Dental Pharmacology and Pain. This course is designed to teach the student about different drugs used in dentistry, the biochemical activity of each, 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 to include pharmacological basis for drugs, the need for and use of a medical history, legal aspects related to these subjects. Prerequisite: 212, 220.

341-3 Periodontics and Local Anesthesia Practicum. The student will be introduced to identification, treatment and prevention of pathological conditions that affect the

periodontium. Emphasis will be placed on anatomy and histology of the periodontium, current advances in periodontics, and soft tissue management. This 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. Lecture two hours. Laboratory two hours. Laboratory fee: \$50. Prerequisite: 212, 226 and concurrent enrollment in 340.

347-2 Community Oral Health. 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. Prerequisite: 247, Sociology 108, Health Care Management 365.

355-3 Dental Hygiene Clinic and Radiology III. 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. Lecture one hour. Clinic eight hours. Laboratory fee: \$75. Prerequisite: 320, 340, 341.

401-3 Dental Hygiene Clinical Practicum. The student will learn curriculum development, evaluation methods, theories of learning, and instructional strategies. 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. Lecture one hour, practicum four hours. Prerequisite: 355, Educational Psychology 307.

410-2 Ethics and Jurisprudence 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 man agreement in accordance with the principles of dental ethics and jurisprudence. Review and interpretation of dental practice acts and licensure requirements are included. Not for graduate credit. Prerequisite: 355.

416-2 Four Year Seminar. The intent of the course is to provide students with a systematic approach to board preparation and dental hygiene curricula review. 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. Explicit guidance is offered to students who are preparing for the National Dental Hygiene Board Examination, the Northeast Regional Board Examination and the Central Regional Board Examination. Not for graduate credit. Prerequisite: 441.

417-5 Multicultural Applied Experience in Dental Hygiene. This course presents a comprehensive approach to special needs patients and diverse populations. The oral health needs of rural, geriatric, minority, low income, medically comprised, disabled and other special needs populations will be addressed. Lecture one hour. Internship eight hours. Not for graduate credit. Laboratory fee: \$50. Prerequisite: DH 355, DH 448.

440-2 Research Methodology. The course introduces the fundamental principles of research methodology with an emphasis on how these principles are systematically applied for conducting research in the field of dental hygiene and related disciplines. A brief overview of the scientific method will be presented with a concentration on research planning, research designs, data collection, descriptive statistics, inferential statistics, and dissemination of research. Students will apply these fundamental research principles to critically evaluate published research articles. Not for graduate credit. Prerequisite: 355, HCM 365.

441-4 Advanced Periodontics and Clinic. Interdisciplinary treatment of the complex periodontal patient by the dentist and the dental hygienist will be practiced with development of appropriate evidenced based therapies for specific case types. Emphasis will be placed on comprehensive evaluation, risk assessment, treatment planning, pain control, adjunctive antibiotic therapy, instrumentation, soft tissue management, evaluation and maintenance utilizing the traditional and case based problem solving model. Lecture two hours. Clinic eight hours. Not for graduate credit. Laboratory fee: \$75. Prerequisite: 320, 355.

442-1 Dental Office Procedure. The student will integrate current knowledge of the dental hygiene field with additional information on communication, staff relationships, conflict resolution, dental insurance and financial planning. Resumes, interviewing and employment issues will be discussed. Emphasis will be placed on facilitating the transition from practice in the University clinical setting to the private practice setting. Not for graduate credit. Prerequisite: 355.

448-2 Community Oral Health Practicum. Principles of community oral health are applied through practical experience. Programming phases of assessment, planning, implementation, and evaluation are studied in detail. The student will develop and present dental health education programs according to these principles. This course is writing intensive and reflects the College's Communication-Across-the-Curriculum initiative. Lecture one hour. Practicum two hours. 16 weeks. 2 credit hours. Not for graduate credit. Laboratory fee: \$35. Prerequisite: 347, SPCM 101, ENGL 101 and 102.