CENTER FOR ADVANCED DENTAL EDUCATION (CAD)

COD 5010 - Pain: Anatomy, Physiology, Psychology, Treatment  
Credit(s): 1 Credit  
Explores multiple topics of pain with special emphasis on head and neck pain and conditions and/or syndromes that mimic dental pain. Protocols for dealing with both dental and non-dental "pain patients" will be addressed. Offered every year.

COD 5030 - Advanced Oral Microbiology  
Credit(s): 2 Credits  
Examines the interface of human host and its microbial inhabitants converging to cause disease. Describes oral ecosystems resulting from interaction between human anatomy and physiology and microbial populations and their physiology with emphasis on the pulpal, periapical, and periodontal regions. Includes factors that maintain population balance and health or cause population imbalance and disease in these ecosystems. Includes management and prevention of oral microbial disease. Offered every year.

COD 5050 - Introduction to Statistical Inference  
Credit(s): 3 Credits  
Nature of measurement in graduate dentistry. Basic principles and techniques of research analysis, particularly in graduate dental research. Introduction to probability theory and sampling theory; criteria of reliability and validity. Fundamental concepts of descriptive and inferential statistics, introduction to levels of measurements and application of parametric and non parametric tests. Offered every year.

COD 5060 - Ethics and Dentistry  
Credit(s): 0 Credits  
In general, the course studies the cross-cultural context for ethics discourse in dental education and practice. In particular, the course considers relevant ethical methods, principles, and codes of professional conduct as well as ethical decision making processes to engage and resolve applied ethical issues in dentistry. Offered every year.

COD 5070 - Bone and Periodontal Physiology  
Credit(s): 1 Credit  
Fundamental mechanisms of growth, development, repair and life-long adaptation of the musculoskeletal system, face, temporomandibular joints and periodontium.  
Restrictions:  
Enrollment limited to students in the Center for Advanced Dental Ed college.

COD 5100 - Dental Therapeutics  
Credit(s): 1 Credit  
A comprehensive review of the pharmacological considerations of clinical dentistry. Special emphasis is placed on dentally prescribed medications and their effects on systemic disease and associated systemic drugs. Offered every year.

COD 5110 - Small Business Basics  
Credit(s): 1 Credit  
This second of two practice management courses will cover a broad range of business-management topics with an emphasis on application of concepts. Offered every year.  
Restrictions:  
Enrollment limited to students in the Center for Advanced Dental Ed college.
CAD 5250 - Multidisciplinary & Evidence Based Diagnosis & Treatment Planning
Credit(s): 0 Credits
Diagnosis and treatment planning of various types of multidisciplinary dental problems through case studies. This course is a patient-centered approach to treatment decisions which provide personalized treatment based on the most current scientific knowledge. Along with the professional skill and expertise, this course allows students to stay up-to-date on the latest procedures and patients to receive improved treatment. Offered only to CADE Graduate Dental Students. (Offered every Fall, Spring and Summer)

Restrictions:
Enrollment limited to students in the Center for Advanced Dental Education college.