University of Kentucky
COLLEGE OF DENTISTRY

WELCOME to the year 2014-2015

College of Dentistry Bulletin
This bulletin is an official publication of the University Of Kentucky College Of Dentistry. It contains policies, regulations, procedures, and fees in effect as the publication went to press. The College of Dentistry reserves the right to make changes at any time to reflect current board policies, administrative regulations and procedures, amendments by state law, and fee changes.

All applicants meeting the appropriate academic requirements and technical standards shall be considered equally for admission to any academic program thereof regardless of race, color, religion, sex, marital status, beliefs, age, national origin, sexual orientation, or disability.

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Dear Prospective Student Dentist:

Sharon P. Turner, D.D.S., J.D.,
Dean of the University of Kentucky
College of Dentistry

The College of Dentistry at the University of Kentucky is an exciting community . . . a community of highly educated and nationally distinguished faculty, a community of talented and eager students, and a community of caring and dedicated professional staff. Each participant in our community has something unique to contribute and our spirit of community makes possible the contribution of all. We work together as colleagues to fulfill our human potential in the profession of dentistry.

From its beginnings, our College has been acknowledged nationally and internationally as a College of distinction. What makes the UK College of Dentistry outstanding? While I could respond with an array of unique qualities, one characteristic always assumes a position of pre-eminence . . . our commitment to students and to their development as professionals. Kentucky's vanguard always has been its orientation to students. We are a student-centered College. Our reason for existence is to enable students to become extraordinary practitioners of dentistry; to work with them in developing their full potential intellectually, clinically, interpersonally, creatively, and morally. As a College, we continuously reaffirm that this is why we are here and what we are about.

Our philosophy is simple and direct “facilitating student learning.” As a faculty, we seek to model a love of learning and a spirit of inquiry appropriate for students to inculcate into their professional value system. From matriculation, UK’s student dentists are accepted as colleagues in the profession and are respected as such. Only in a climate where human individuality and autonomy are respected can real professional education exist. Dentistry, society, and the world will change; our commitment to students has not and will not.

The University of Kentucky has a tradition of innovation, leadership, and accomplishment unrivaled in dental education. We are a distinctive College, and an integral part of an exceptional Medical Center, on the campus of Kentucky's only land-grant, comprehensive, research University in Lexington, the heart of the beautiful Bluegrass Region.

May I challenge you to consider the exciting opportunities afforded by the profession of dentistry? I also encourage you to consider the advantages of enrolling at the UK College of Dentistry and becoming a part of the outstanding Kentucky tradition.
The University

Founded on Feb. 22, 1865, the University of Kentucky began as the Agricultural Mechanical College of Kentucky University. In 1878, the Agricultural and Mechanical College was separated from Kentucky University and reestablished on land given by Lexington and Fayette County. Kentucky University is now Transylvania University. To provide a separate campus for the new institution, the city of Lexington donated its 50-acre fairground and park which had been used as bivouac area for Union troops during the Civil War. President James K. Patterson, whose service to the institution began in 1869, used his personal savings to supplement the building fund. Thirty years later, the legislature changed the name of the institution to State University, Lexington, Kentucky, and gave it additional financial support. In 1916, the name was changed to the University of Kentucky. UK is now among the 93 state universities and land-grant institutions in America. In 2012, the College of Dentistry celebrated its 50th anniversary. Other dates have proved pivotal in the history of the University:

1954 - UK Albert B. Chandler Medical Center is authorized to include colleges of dentistry, medicine, allied health professions, nursing, and pharmacy.

1960 - 473-bed University of Kentucky Hospital opens.

1962 - College of Dentistry enrolls its first class

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2012 – 50th Anniversary

Today, UK has about 30,000 students on the Lexington campus and Medical Center. More than 1,700 full-time faculty are employed at the University. UK is a member of the Southern Association of Colleges and Schools.
MISSION

The University of Kentucky is a public, land grant university dedicated to improving people’s lives through excellence in education, research and creative work, service, and health care. As Kentucky’s flagship institution, the University plays a critical leadership role by promoting diversity, inclusion, economic development, and human well-being.

VISION

The University of Kentucky will be one of the nation’s 20 best public research universities.

VALUES

The University of Kentucky is guided by its core values:

Integrity
Excellence
Mutual Respect and Human Dignity
Diversity and Inclusion
Academic Freedom
Shared Governance
Work-life Sensitivity
Civic Engagement
Social Responsibility
The College of Dentistry

Currently, the College admits 40 Kentucky residents and 25 non residents into its four-year curriculum leading to the Doctor of Dental Medicine (D.M.D.) degree.

Statement of Mission Goals

College Mission

The mission of the College of Dentistry is to improve oral health and general health through teaching, research, and service. The mission is supported by collaborative engagement and by networking with community and academic partners to promote oral health literacy and reduce health disparities within Kentucky and beyond.

The College educates health professionals to become active citizen leaders who are conscious of their personal and professional responsibilities in a global society. The College values diversity within its community, which includes diversity of thought and experience, in order to promote a humanistic approach to education, patient care, and community service.

The College of Dentistry is one of six colleges in the University of Kentucky, Chandler Medical Center. Other colleges include Health Sciences, Medicine, Nursing, Pharmacy and Public Health. The UK Hospital, UK Children’s Hospital, Kentucky Clinic, Sanders-Brown Center on Aging and Lucille Parker Markey Cancer Center also are integral components of UK’s health science complex.

The College of Dentistry was established in 1961. In its brief existence, the accomplishments of the College are unparalleled in dental education. From its beginning, it has been acknowledged nationally and internationally as a leader in academic dentistry. Since its founding, more than 2,000 aspiring practitioners have selected the University of Kentucky to prepare them for their chosen profession.

Currently, the College admits 40 Kentucky residents and 25 non-residents into its four-year curriculum leading to the Doctor of Dental Medicine (D.M.D.) degree. The goal of the curriculum is to prepare dentists to meet the oral health needs of the society they are called to serve. The curriculum, developed at Kentucky, and now used extensively throughout the nation,
focuses on integrating learning in the biomedical and clinical sciences. This is accomplished by an introduction to clinical dentistry in the first year, and by extension of study in the biomedical sciences throughout the four years.

The curriculum is increasingly problem-oriented, focusing on developing the student dentists’ critical-thinking skills imperative for the contemporary practice of dental medicine. The faculty is committed to inculcating in students an attitude of life-long learning, believing that only such an orientation enables a practitioner to provide competent and state-of-the-art services in a rapidly changing clinical environment. The expanding knowledge base of the profession requires that the curriculum focus on principles of dentistry and on teaching future dentists how to learn and instill in them the desire to continue to learn about the profession.

The College offers advanced educational programs leading to advanced certification in general practice, pediatric dentistry, periodontics, oral and maxillofacial surgery, orofacial pain, and orthodontics. In periodontics and orthodontics, students also earn a Master of Science degree from the University of Kentucky Graduate School. The option of a master’s degree is available in both orofacial pain and pediatric dentistry. Continuing education courses for practicing dental professionals also are an important dimension of the College's educational activities.

The College of Dentistry and all of its programs are accredited by the Commission on Dental Accreditation of the American Dental Association.

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**Accreditation Policy**

The predoctoral educational program at the University of Kentucky College of Dentistry is fully accredited by the American Dental Association Commission on Dental Accreditation.

It is the policy of this institution and the Commission on Dental Accreditation that all students should know how to contact the Commission to obtain a copy of the Accreditation Guidelines and/or to file a complaint.

The Commission on Dental Accreditation will review complaints that relate to a program’s compliance with the accreditation standards. The Commission is interested in the sustained quality and continued improvement of dental and dental-related education programs but does not intervene on behalf of individuals or act as a court of appeal for individuals in matters of admission, appointment, promotion or dismissal of faculty, staff or students.

A copy of the appropriate accreditation standards and/or the Commission’s policy and procedure for submission of complaints may be obtained by contacting the Commission at 211 East Chicago Avenue, Chicago, IL 60611-2678 or by calling 1-800-621-8099 extension 4653, or at the following website: [http://www.ada.org/314.aspx](http://www.ada.org/314.aspx)
This five-year strategic plan will guide the College as it concludes the first half-century of service and begins its second. As the College begins this new chapter, this Plan reaffirms its commitment to providing a high-quality education for a diverse student body, developing new strategies to improve health, and facilitating partnerships within the University, community, and the profession. In this Plan, the College answers the challenge put forth by the University in its new five-year plan to “improve the conditions of Kentucky’s people and build a future that provides economic security and personal fulfillment.” The mission of the College can be synopsized in the following statement:

**Mission Statement**

The mission of the College of Dentistry is to improve oral health and general health through teaching, research, and service. The mission is supported by collaborative engagement and by networking with community and academic partners to promote oral health literacy and reduce health disparities within Kentucky and beyond.

The College educates health professionals to become active citizen leaders who are conscious of their personal and professional responsibilities in a global society. The College values diversity within its community, which includes diversity of thought and experience, in order to promote a humanistic approach to education, patient care, and community service.

**University and College Goal 1: Prepare Students for Leading Roles in an Innovation-Driven Economy and a Global Society**

Education is at the heart of the College’s mission. We propose to educate students who will function as constructive, engaged citizens who will see themselves as part of the larger global community. Our students will be prepared to make contributions to oral and general health on the individual and community basis. They will be prepared for these roles through development of critical thinking skills, appreciation for the scientific method and use of best evidence in making treatment recommendations. They will appreciate the importance of diversity in our culture and develop a tolerance and respect for cultural differences. They will learn the ethical responsibilities inherent in the care of patients entrusted to their care.

Objective 1-1: The College will target and recruit high ability students by providing educational programs of academic and clinical excellence.

Objective 1-2: Improve student success by enrolling outstanding students, monitoring student success through rigorous and on-going reporting processes, providing intervention and support strategies when needed and developing advising and mentoring programs.

Objective 1-3: Ensure that graduates are able to demonstrate academic and clinical excellence and are prepared to succeed in professional and community settings.
Objective 1-4: Expand training opportunities for pre-doctoral students to enhance the reputation of the University and address the critical oral health needs of the Commonwealth of Kentucky.

University and College Goal 2: Promote Research and Creative Work to Increase the Intellectual, Social, and Economic Capital of Kentucky and the World Beyond its Borders

The College of Dentistry is part of Kentucky’s land-grant research university, and is part of an academic environment that will pursue with equal vigor the dual purposes of research: the expansion of the body of knowledge and the translation of basic and clinical research into practical benefits for the people of Kentucky and those beyond the state’s borders. All missions of the University are infused with and benefit from this dedication to the creation and application of new knowledge. Research and creative activity in the 21st Century is an interdisciplinary and collaborative pursuit, requiring theoretical and clinical constructs, analytical tools, and laboratory techniques. The College of Dentistry continues to make significant advances in its research and creative activities and enthusiastically embraces the challenge of substantially increasing the volume and the quality of those efforts during the next 5 year strategic plan activities, targeting the top 20 aspirations of the University.

Objective 2-1: Build college research capability.

Objective 2-2: Increase research and scholarly productivity.

Objective 2-3: Enhance the impact of the college’s research and scholarship.

University and College Goal 3: Develop the Human and Physical Resources of the University to Achieve the Institution’s Top 20 Goals

As the University of Kentucky strives to become one of America’s 20 best public research universities, the College of Dentistry will support that vision with programs of national stature as well as providing the professional, educated citizenry and scholarship needed to serve the Commonwealth, nation, and world. To continue to expand our reach for national and international prominence the College of Dentistry will support our faculty and staff with opportunities for mentoring, collaboration and leadership in priority areas. Vital to this will be the recruitment, retention and supportive work environment for all faculty and staff. As part of this enhancement of our environment, our physical space, technological enhancement, clinical enterprise and financial resources will be explored and improved to provide the resources necessary to reach our objectives.

Objective 3-1: Increase leadership and mentoring capacity for our faculty and staff.

Objective 3-2: Recruit, orient and retain distinguished faculty and staff and provide a quality work environment to support them.

Objective 3-3: Strengthen the clinical enterprise to effectively enhance all missions of the College of Dentistry.
Objective 3-4: Enhance strategic and financial planning while implementing more efficient business and information technology practices. Within this framework, enhance both internal and external marketing of the College in support of external funding and support.

Objective 3-5: In collaboration with University and UK HealthCare leadership, comprehensively expand and enhance space and facilities available for all College functions.

**University and College Goal 4: Promote Diversity and Inclusion**

The College recognizes the importance of diversity in reaching its goal of educating dentists who will provide outstanding dental health care to all populations in the Commonwealth. To this end, the College will promote an appreciation for the value of diversity among its students, staff and faculty and will provide an environment that fosters and promotes cultural competence.

Objective 4-1: The College will target and recruit high ability students, staff and faculty with diverse racial, ethnic, socioeconomic, rural and urban backgrounds.

Objective 4-2: Promote curricular and co-curricular transformation that recognizes the educational advantages of diversity.

Objective 4-3: Enhance college/campus/community collaborations in areas where opportunities exist to build diversity and increase inclusion.

**University and College Goal 5: Improve the Quality of Life of Kentuckians through Engagement, Outreach and Service**

The College of Dentistry is committed to reducing disparities in the oral and general health status of Kentuckians. College will improve the quality of life in the Commonwealth through community engagement, outreach, and service. The College will continue to build new partnerships throughout the Commonwealth that will improve the access to health care services, promote optimal oral health, and prevent disease through teaching, research and service particularly in rural communities. While the primary ground for community engagement lies in the Commonwealth, the College will also carry its outreach to the region, the nation and internationally.

Objective 5-1: Enhance faculty, staff, and student connection with community through engagement, outreach, and service.

Objective 5-2: Enhance community access to oral health and dental clinical services through the college’s outreach and engagement.

Objective 5-3: Enhance external recognition and funding of the College of Dentistry engagement, outreach, and service.
Organizational Chart

August 2014

Dean
Sharon Turner

Assistant Dean for Research
Jeffrey Ebersole

Associate Dean for Academic Affairs
Parm Stein

Associate Dean for Clinical Affairs
Gregory Zeller

Associate Dean for Administration & Finance
Vicki Riddell-Pepler

Interim Chair
Oral Health Practice
Rob Kozarik

Chair
Oral Health Science
Jeff Olsenc

Assistant Dean for Alumni Affairs & External Affairs
Harold Lawell

Director of Development
Linda Eding

Assistant Dean for Student Affairs
Christine Harper

Director of Graduate Studies
Reny de Leuw

Instructional Effectiveness/Academic Support
Amanda Minor

Assistant Dean for Predoctoral Clinical Operations
Joe Parkinson

Business Officer & Dental Plan Manager
Paul Sandford

Human Resources & Contracts Manager
Bryan Bueck

Faculty & Equipment Manager
Joel Parker

Director of Information Management
Al Kaplan

Director of Billings & Collections
Jill Townsend

Director of Marketing
Vacant

Endodontics Division Chief
Al Wiemann

Oral Diagnosis, Oral Medicine, & Oral Radiology Division Chief
Vacant

Periodontics Division Chief
Mehrdad Al Sabagh

Restorative Dentistry Division Chief
Robert Fracer

General Dentistry Division Chief
Ted Raybould

Pediatric Dentistry Division Chief
Enrique Bernstein

Public Health Dentistry Division Chief
Rob Kovacik

Oral Pathology Division Chief
Doug Damm

Oral & Maxillofacial Surgery Division Chief
Larry Cunningham

Orthodontics Division Chief
Sarandeep Haja

Enterprise-Wide Clinical Activities

Assistant Dean for Hospital Affairs & Chair
Drust of Hospital Dentistry
Joseph Van Sickels

Faculty Patient Care
Kristy Pepper

Kentucky Clinic South
Shannon Fraley
Robert Kovarik, D.M.D.

Dr. Kovarik is an associate professor in the Department of Oral Health Science, Division of Dental Public Health. He received a bachelor’s degree in material science engineering from Vanderbilt University and a doctor of dental medicine degree from the University of Kentucky, College of Dentistry in 1982. After practicing dentistry for five years in the greater Cincinnati area, he joined the faculty at the Medical College of Georgia School of Dentistry. While on the faculty there, he earned a master’s degree in oral biology.

“I returned to teach full-time at the University of Kentucky, College of Dentistry because I enjoy the collegiate atmosphere here. This school has a long tradition of treating students with respect and providing a very positive learning environment for both students and faculty. I have never visited or been associated with a dental school that provides a better learning environment for its students.

In keeping with the College's commitment to progress and innovation, new equipment and facilities are continually being introduced to enhance the education of student dentists and to enhance the patient experience. In 2008, the vacuum system that supports all dental operatories was replaced. Also completed in 2008 was a refurbishment of the Dental Science Building’s two elevators. In 2009, the College refurbished all of its waiting rooms and reception areas and renovated oral surgery operatories. In 2010, significant resources were invested to implement digital radiography and to enhance all radiology facilities. During the summer of 2013, our preclinical simulation laboratory was expanded and completely renovated in a project exceeding $4.7 million dollars.

Facilities

The College of Dentistry is located in a six-story wing of the University of Kentucky, Chandler Medical Center. The College's physical facilities include patient care operatories, technique laboratories, classrooms, conference rooms, and faculty and administrative offices. There are 200 patient care operatories providing support for all dimensions of the College's programming.

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- **DMD Student Clinics**: Each operatory is designed to meet high infection control standards. Operatories feature chairs that allow for computerized patient positioning, articulating lights, fiber optic units, and photopolymerization units for curing biomaterials. Electronic patient records are in use and accessed chair side through mounted laptops in each operatory.

- **Technique Lab**: The preclinical technique lab and adjacent support labs include the most modern laboratory equipment. All workbenches have a dust collector and electric and air-driven hand piece controllers. The instructor podium has access to centralized audio/visual services, the internet, and custom in-room audio/visual equipment. The preclinical simulation laboratory was expanded and completely renovated this summer in a project exceeding $4.7 million dollars with 70 work stations and several wet/dry labs. Enhancements in technology, such as mannequin based simulators, and computer monitors are available at each student workstation.
Classrooms: The primary classrooms for didactic instruction, MN 363 and MN 563, were updated in 2011 to include new HD LCD projections, smart podiums to utilize in displaying bench work and distance learning opportunities, and wireless internet enhancement.

Student Lounge: Student dentists have a dedicated area containing 210 lockers, seating for 20 students and a kitchen equipped with a microwave and a refrigerator. Computers with Ethernet access are also available for student use. In 2011, the Student Lounge was renovated with new ceiling tiles, furniture, refrigerators, microwaves, and a fresh coat of paint, thanks to donations from alumni. During the summer of 2013, an additional locker room was added (D-84) with 70 new lockers for the students.

Faculty and Resident Clinics: The building also houses clinics for Faculty and Residents in the areas of General Dentistry, Orthodontics, Oral and Maxillofacial Surgery, Orofacial Pain, Periodontics, and our Oral Pathology Laboratory. Many of these clinics have been renovated or expanded in the last several years, including upgrades to life safety systems, additions of cutting edge equipment, and replacement of dental operatory equipment. These clinics provide training locations for our various residencies, as well as a location for our faculty to provide comprehensive dental care to private patients, University employees, and their families.

Kentucky Clinic: The Kentucky Clinic, a comprehensive ambulatory care center, contains a dental facility with 21 patient care operatories. This location houses Faculty Practices and our General Practice and Pediatric Dentistry Residencies. Currently, a new Orofacial Pain Clinic is being constructed in a second space acquired in the Kentucky Clinic last year. It is anticipated that the new clinic will be utilized in providing patient care in March, 2013. Kentucky Clinic is connected to the UK hospital by a covered skywalk, as is the College of Nursing and Health Sciences Learning Center. The top floor of the six-story building contains an audio-visual library and multimedia retrieval study area. The self-instructional programs in the curriculum, which are in the form of computer digitized slides, audio tapes, slide tapes, slide text and videocassettes, are available as well as the equipment.

Engrained in our College of Dentistry is an environment whereby teachers and students work together as colleagues for the common goal of providing a modern education in dentistry and quality dental care for our patients at the college. Not only is this environment more enjoyable to students, but it is also more enjoyable and rewarding to faculty and that is why I am a faculty member here at UKCD.”

Dr. Kovarik maintains a private practice in the faculty practice clinic, teaches operative dentistry, and participates in research on the links between oral health and general systemic health in rural settings. His research interests are in the effects of oral infections on preterm and low birth weight birthing outcomes, early childhood caries and oral infections in patients with type 2 diabetes. “I think of the University of Kentucky, College of Dentistry as being a clinically oriented school where you can get a very good education in the actual practice of dentistry (clinical dentistry). However, during the past several years we have become even broader in our educational focus. We provide an outstanding education in the basic sciences and more and more of our students are participating in research which is the foundation of everything we teach. In research, we are constantly discovering better materials and techniques. This translates into better teaching and better patient care.”
necessary for their use. The library also has a microcomputer laboratory and a computer classroom with 55 personal computers.

- **Center for Oral Health (COHR):** The Center for Oral Health was officially approved by the UK Faculty Senate on March 6, 2000. This action brought into reality an initiative started by the administration and faculty of the UKCD in 1997. It created a focus and research infrastructure for the College, which linked it with the Medical Center and the larger UK academic environment. Moreover, the COHR will help to position the UKCD as a leader in accomplishing the goal of UK to become a top 20 institution by 2020. Since 2000, with the creation of the COHR, UKCD research funds have increased to ~$4-5 million annually. The COHR has propelled the UKCD from near last in NIH funding of dental schools in the country to near the top 20. These accomplishments reflect a multi-fold increase in grant submissions and publications by UKCD faculty. Another measure of research expertise is the emphasis of the research activities in the UKCD to link with other aspects of the UK academic environment, as well as with national collaborators.

- **The UK Chandler Medical Center Library:** contains more than 160,000 volumes and receives about 2,000 serial titles. Individual carrels and group study rooms are available for Medical Center students and staff.

Several facilities outside the Medical Center also are used for teaching by the College of Dentistry. These include various state and federal institutions such as the Veterans Affairs Medical Center, which has two locations and many practitioner offices throughout Kentucky, and the Family Care Center in Lexington. The College also has four self-contained mobile dental units which provide dental services to children from low-income families. With these units, the College has expanded its pediatric services and affords student dentists broader clinical experiences.
Office of Admissions and Student Affairs

The College of Dentistry’s Office of Admissions and Student Affairs is organized to support the educational objectives and programs of the College by aiding and enriching student learning and contributing to the welfare and individual growth of students.

The office provides a wide range of services, activities, and programs which include:

- pre-dental advising and admissions counseling
- admission services/application processing
- student financial aid and debt management counseling
- career planning
- registration and academic records keeping
- curriculum support
- tutorial assistance
- academic success seminars
- Lassi: learning and study strategies inventory
- testing services (National Board exams)
- academic and personal counseling
- assistance to classes and student organizations
- transcript services and letters of recommendation
- liaison and referral to other UK offices (Housing, Health Service, Counseling Center, Student Billing Services, Students Affairs Division, Registrar, etc.)
D.M.D. Program

Admissions

The College of Dentistry seeks to enroll individuals whose academic preparation, personal qualities, and other qualifications suggest that they will experience success in the curriculum and afterwards in the dental profession. Currently, the College admits 40 Kentucky residents and 25 nonresidents into its four-year curriculum leading to the Doctor of Dental Medicine (D.M.D.) degree.

Prospective applicants are encouraged to contact the Office of Admissions and Student Affairs early in their undergraduate careers for guidance on admission requirements. The College desires applicants who have the requisite academic preparation to meet the challenges of a rigorous curriculum. In addition to earning a bachelor’s degree, these individuals should complete courses in both science and non-science subject areas to increase their likelihood of success in the dental program. Although many applicants each year major in the biological and natural sciences, students who pursue studies in other majors also are invited to apply for admission.

The criteria considered by the Admissions Committee includes the quality of the applicant’s pre-professional preparation, Dental Admission Test (DAT) scores, knowledge of and exposure to the dental profession, letters of recommendation and other relevant factors. Timing is always an important element in the application process. The College will work with students to advise them on ways to become competitive applicants. The College also works closely with the UK Pre-Dental Society. For more information, call (859) 323-6071.

PROFILE:

Cristina Perez, D.D.S.

I was born in Concepcion Chile into a family of University Professors. My mother went to Ohio State University to receive a PhD when I was 6. After finishing the program, we returned to Chile where I finished High School, College and Dental School. During my years in dental school, I found Occlusion, TMD, and Pediatrics very interesting. I entered a Residency Program in Pediatric Dentistry at the University of Concepcion soon after graduating from Dental School. During my pediatric program, I found myself very interested in bruxism in children, an area that I started studying. This led me to get in touch with Dr. Okeson. I had heard of him while using his text book during Dental School. Following my father and mother’s footsteps, I entered Academics at the University of Concepcion while thinking about advancing my education further. I continued to keep in touch with Dr. Okeson in search for more answers to give to my students. I finally came to the University of Kentucky in 2008 to do a Masters Degree in Orofacial Pain. This program taught me so much and I am very grateful for the quality of education that I received here at UK. Along with studying Orofacial Pain, I never forgot about my degree in Pediatric Dentistry. I asked the Division of Pediatric Dentistry to “sit in” on some of their educational activities for their graduate students. This kept me up to date and confirmed that the Residency Program in Pediatric Dentistry in Chile is at a great level. During my last year in the Orofacial Pain Program, I applied for a position in Pediatric Dentistry at the University of Kentucky College of Dentistry. I was awarded this position and now hold an Assistant Professorship. I am very happy with my decision to stay in Kentucky and in Pediatric Dentistry. I hope to be able to unite both of my passions in a research line involving children and temporomandibular disorders.
Undergraduate Prerequisite Coursework

The College is convinced that certain course work on the undergraduate level is necessary for quality performance in dental school. Therefore, the following courses are required for matriculating students:

- two semesters or three quarters of biology with laboratories;
- two semesters or three quarters of general chemistry with laboratories;
- two semesters or three quarters of organic chemistry with laboratories;
- one semester or two quarters of general physics with laboratory;
- two semesters or three quarters of English with emphasis on communications

Approved by the University of Kentucky College of Dentistry Faculty and pending the University of Kentucky Senate, prerequisite requirements in the near future will also include the following:

- 1 semester of microbiology (approved for cycle starting June, 2015)
- 1 semester of biochemistry (approved for cycle starting June, 2015)

Prerequisite course work must be taken for a grade option, not pass-fail. Applicants are encouraged to pursue a well-rounded curriculum including courses both in the sciences and the humanities. Applicants are encouraged to take additional basic science courses. Examples of courses that will be helpful include anatomy (human), biochemistry, cell biology, embryology, genetics, histology, immunology, molecular biology, and physiology (animal and/or human) but only after degree requirements have been completed. An applicant’s curriculum will be enriched if it also includes courses in the social sciences, history, literature, economics, philosophy, and psychology.
Technical Standards for Dental Students

Policy Objective
To define the non-academic criteria for admission into, continued enrollment in, and graduation from the Doctor of Dental Medicine program.

Policy Statement:

The University of Kentucky, College of Dentistry is committed to ensuring that the opportunity to pursue oral health education is available to all qualified persons. In this spirit, all qualified individuals will be considered for admission. Moreover, the College will work to ensure that all qualified students, consistent with Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act, will have the opportunity to succeed in the College’s programs of study.

The College recognizes that the Doctor of Dental Medicine (D.M.D.) degree carries with it the full authority of the institution and communicates to those who might seek the services of the bearer that he or she is competent to practice dentistry. The D.M.D. degree is unique in that the graduate is prepared and, when licensed, is allowed to practice all disciplines of the dental profession. Therefore, the student must demonstrate the knowledge, skills, and attitudes that the faculty has determined are essential for the practice of dentistry. The student must acquire both cognitive and technical skills to negotiate the curriculum.

The following technical standards describe the essential functions that students must demonstrate in order to fulfill the requirements of a general dental education, and thus, are prerequisites for entrance, continuation, and graduation from the College. Students must possess the skills and abilities that will allow them to successfully complete the course of study and receive the full benefit of dental education. While enrolled in dental school, students must direct and perform treatment of the College’s patients. The College has the responsibility for ensuring the safety of the patients. Treatment must be completed safely and within an acceptable time.
The University of Kentucky, College of Dentistry will consider for admission any applicant who demonstrates the ability to perform or to learn to perform the skills listed in the College’s Technical Standards policy. The College’s Academic Performance Committee will monitor each student’s demonstration of such knowledge and skills; specific standards are included in the College Bulletin and Student Handbook. Applicants are not required to disclose the nature of their disability(ies) to the Admissions Committee; however, any applicant with questions about these technical standards is strongly encouraged to discuss the issue with the Admissions Committee Chair before the interview. Upon the request of an applicant or a student, reasonable accommodations will be provided. The ability to meet the following standards is a requirement for admission to the University of Kentucky College of Dentistry.

Technical Standards for Admissions For The University of Kentucky College of Dentistry

Standards

1. Motor Skills

GENERAL: A student should have sufficient motor function to execute movements reasonably required to provide general care to patients.

SPECIFIC: A student must possess the motor skills to directly perform palpation, percussion, auscultation and other diagnostic maneuvers, basic laboratory tests, and diagnostic procedures. Such actions require coordination of gross and fine muscular movements, equilibrium, and functional uses of the senses of touch and vision.

SPECIFIC: A student must be able to perform basic life support including CPR, transfer and position disabled patients, physically restrain adults and children who lack motor control, and position and reposition himself or herself around patient and chair in a sitting or standing position. A student must not hinder the ability of co-workers to perform prompt care. A student must be able to operate controls, move high-speed or low-speed dental drills with precision of less than one millimeter, and use hand instrumentation including scalpels for surgical procedures.

2. Sensory/Observation

GENERAL: A student must be able to acquire a predetermined level of required information through demonstrations and experiences in basic and dental science courses.

SPECIFIC: Such information includes, but is not limited to, information conveyed through: 1) physiologic and pharmacologic demonstrations in animals; 2) microbiological cultures; 3) microscopic images of microorganisms and tissues in normal and pathologic states; and 4) demonstration of techniques using dental models. A student must be able to acquire information from written documents, and to evaluate information presented as images from paper, films, slides, or video. A student must be able to interpret x-ray and other graphic images. A student
must be able to benefit from electronic and other instrumentation that enhances visual, auditory, and somatic sensations needed for examination or treatment.

GENERAL: A student must be able to accurately observe a patient, at a distance and close at hand, and observe and accurately interpret non-verbal communications when performing dental operations or administering medications.

SPECIFIC: A student must be able to perform dental examinations and treatment that requires the use of sight and touch. He or she must be able to see fine detail, focus at a variety of distances, and discern differences and variations in color, shape, and texture that are necessary to differentiate normal and abnormal soft and hard tissues. He or she must be able to use tactile senses to diagnose directly by palpation and indirectly by sensations transmitted through instruments. A student must also possess the visual acuity to read charts, records, radiographs, small print and handwritten notation, and distinguish colors intra- and extra-orally.

3. Communication

GENERAL: A student must be able to: communicate effectively and sensitively with patients; convey or exchange information at a level allowing development of a health history; identify problems; explain alternative solutions; and give directions during treatment and post-treatment. Communication includes speech and writing. A student must be able to communicate effectively and efficiently in oral and written English with all members of the health care team.

SPECIFIC: A student must have sufficient facility with English to: retrieve information from texts and lectures and communicate concepts on written exams and patient charts; elicit patient backgrounds; describe patient changes in moods, activity, and posture; and coordinate patient care with all members of the health care team. A student must be able to communicate in lay language so that patients and their families can understand the patient’s conditions and, thereby, be more likely to comply with treatment and preventive regimes.

SPECIFIC: In any case where a student's ability to communicate through these sensory modalities is compromised, he or she must demonstrate alternative means of communicating with instructors, patients, and other members of the health care team.

4. Cognitive

GENERAL: A student must be able to measure, calculate, reason, analyze, integrate, and synthesize.

SPECIFIC: A student must be able to comprehend three-dimensional relationships and to understand the spatial relationships of structures. Problem solving, a critical skill demanded of dentists, requires all of these intellectual abilities. A student must be able to perform these problem-solving skills in a timely fashion.
5. Behavioral

GENERAL: A student must possess the emotional health required for full use of his/her intellectual abilities, the exercise of good judgment, the prompt completion of all responsibilities attendant to the diagnosis and care of patients, and the development of mature, sensitive, and effective relationships with patients.

SPECIFIC: A student must be able to tolerate physically taxing workloads and to function effectively under stress. He or she must be able to adapt to changing environments, display flexibility, and learn to function in the face of uncertainties inherent in the clinical problems of patients. Compassion, integrity, concern for others, interpersonal skills, interests, and motivation, are all personal qualities that will be assessed during the admissions and educational processes. A student must be able to manage apprehensive patients with a range of moods and behaviors in a tactful, congenial, personal manner so as not to alienate or antagonize them. A student must be able to accept criticism and respond by appropriate modification of behavior.

Application Process

An application for admission may be obtained from the American Association of Dental Schools Application Service (AADSAS). Candidates for admission are encouraged to apply early to receive the strongest consideration. The AADSAS electronic application becomes available on June 3rd. You may contact AADSAS at:

http://www.adea.org
(202) 789-7201
AADSAS
1400 K Street NW, Suite 1100
Washington, D.C. 20005

The College uses a “rolling admissions system” whereby applicants are interviewed beginning in late August, the first offers of admission are made on Dec. 1, and the Admissions Committee continues to interview applicants until the class is filled. The membership of the entering first-year class is usually confirmed by early February. Candidates who apply early in the admissions cycle are at a distinct advantage over those who wait much later to submit their AADSAS application and other credentials. The Office of Admissions and Student Affairs can provide applicants information and sound advice to ensure that they complete the process in a timely way.

Transcripts

An official transcript from each college or university attended must be enclosed when candidates send in their AADSAS application. A final transcript is required prior to matriculation for all applicants who have been offered admission and who will enroll.
Letters of Evaluation

Three letters of evaluation must be included in each candidate’s admission credentials from individuals who are able to provide information regarding the applicant’s potential for success in the dental curriculum. Two letters should come from faculty members and a third letter should come from a dentist. A pre-professional committee evaluation of a candidate may be substituted for the three letters. Applicants must supply the letters to AADSAS; hardcopy letters of evaluations sent to the Office of Admissions and Student Affairs will not be connected to the application.

Dental Admission Test

Every applicant must take the Dental Admission Test (DAT). The DAT scores are considered, along with a candidate’s academic record and other criteria, in the admissions decision. The exam is offered nationwide by computer through Prometric Testing Centers. The DAT results should not be more than three years old and the highest set of scores will be used. Information on the DAT is available by contacting the American Dental Association at:

www.ada.org
(312) 440-2689
Dental Admission Testing Program
American Dental Association
211 East Chicago Ave.
Chicago, IL 60611-2678

PROFILE

Sharon P. Turner, D.D.S., J.D.,

Dr. Sharon P. Turner is Dean of the University of Kentucky College of Dentistry and Professor in the Department of Oral Health Practice. Dr. Turner received her D.D.S. from the University of North Carolina in 1979 and received her J.D. magna cum laude from the North Carolina Central University in 1995. Following graduation from dental school, she completed a two-year postdoctoral fellowship in Craniofacial Pain Mechanisms and Controls sponsored by the National Institutes of Health at UNC in Chapel Hill. Her first academic position was also at UNC. Besides her faculty appointment, she held several administrative appointments there including Director of Patient Admissions and Emergency Services, Director of the Dental Faculty Practice, and Associate Dean for Administration and Planning. She was a member of the law review staff during law school and was admitted to the North Carolina Bar in 1996. In 1998, she accepted the position as Dean of the School of Dentistry at Oregon Health and Science University and in 2003 she accepted her current position at the University of Kentucky. Dr. Turner has received numerous honors and awards. She was a 1997-98 Fellow in the Executive Leadership in Academic Medicine Program and was the first dentist to complete this competitive fellowship. She was selected for the prestigious American Council of Education Fellowship for 2007-2008. She is a member of several honorary organizations including Omicron Kappa Upsilon, Pi Kappa Phi, the American College of Dentists, the International College of Dentists, the National Academy of Practice and the American College of Legal Medicine. Dr. Turner has published in both dental and legal journals and is a frequent speaker at regional, national and international meetings.
Interviews

Applicants are invited to participate in an interview at the College of Dentistry after a holistic review of their materials and interviews are scheduled on specific dates throughout the admissions cycle. All application materials must be received by the Admissions Coordinator before an interview can be scheduled. Since Dec. 1 is the AADSAS national notification date, well-qualified applicants who interview prior to this date have a greater likelihood of being offered admission than those who interview afterwards.

Residency Status

The Council on Postsecondary Education oversees the residency requirements for all public colleges and universities within the Commonwealth of Kentucky. These requirements are listed in the University of Kentucky Bulletin. Questions regarding residency status should be referred to the University’s Registrar Office at http://www.uky.edu/Registrar/.

Personal Health

In accordance with American Dental Association standards, all students must be able to demonstrate prior to and throughout their enrollment that they are physically and mentally qualified to undertake dental studies; please refer to the Technical Standards policy above or contact the Office of Admissions and Student Affairs for questions. Each student must submit a medical history form and an immunization record at the time of matriculation. All applicants meeting the appropriate academic requirements and technical standards shall be considered equally for admission to any academic program regardless of race, color, religion, sex, marital status, beliefs, age, national origin, sexual orientation, or disability.

Cost of Attendance

Tuition and fees for the 2014-2015 academic year are $30,188 for Kentucky residents and $61,628 for non-residents. Expenditures for instruments and their sterilization, books, clinic attire, and CPR comprise the remainder of the required curriculum expense. The tuition and fees are subject to change.
**Student Financial Aid**

Primary responsibility for meeting the cost of dental education rests with the student dentist and his or her family. However, the College’s Financial Aid Coordinator, located in the College of Dentistry, assists students in making application for various types of financial assistance. The major sources of funding are loan programs administered by the federal government. Eligibility for financial aid is determined by the following formula:

\[
\text{Cost of Attendance (curriculum \& living expenses) minus Expected Family Contribution (as measured by federal formula) equals Financial Need}
\]

The Financial Aid Coordinator, who is a member of the Office of Admissions and Student Affairs, endeavors to meet the demonstrated financial need of all student dentists to the extent of available funds. Since school managed funds are limited, awards from these sources will be determined on the basis of in-state tuition and parent information on the federal application.

About 95 percent of enrolled student dentists qualify for and receive some type of financial assistance. Applicants wishing to investigate financial aid options are encouraged to consult the financial aid coordinator. Financial need is not a criterion for admission to the College of Dentistry.

Additional information on loans, scholarships and work-study programs can be obtained by accessing the UK webpage on financial aid under “Student/Postgraduate Programs; DMD Program.”

Any question related to financial aid should be directed to:

**Office of Admissions and Student Affairs**
University of Kentucky
College of Dentistry
D-155 Dental Science Building
Lexington, KY 40536-0297
Telephone: (859) 323-5280
Fax: (859) 257-5550
Email: dbrow@email.uky.edu
**Career Planning and Counseling**

Student dentists receive formal instruction in the investigation and development of career options and practice planning during all four years of the curriculum. Faculty and staff participate in counseling student dentists. The College maintains career resource information on the distribution of dental manpower and demographic data on all Kentucky counties; limited information regarding other states is also available. The College also provides counseling and placement referral services to student dentists and practitioners. Most individuals incur some indebtedness to help finance their dental education. Since the amount of educational loans received affects the career options available at graduation, debt management counseling is offered throughout the period of enrollment.

**Withdrawal and Refund Policy**

In accordance with University policy, a student who withdraws from the College of Dentistry may be eligible to receive a partial refund of the current semester tuition depending on the withdrawal date. Refer to the Academic Calendar for specific withdrawal deadlines and the University Registrar’s Refund and Fee Liability Policy for specific refund amounts. Since students purchase their dental instrument kits, there is no instrument fee refund. Also, in the event of withdrawal, students are responsible for any balance owed for instruments.

Tuition refunds for students who officially withdraw through the College’s Registrar will be made according to the following schedule:

<table>
<thead>
<tr>
<th>Students who withdraw by:</th>
<th>Class Year</th>
<th>Will Receive Refund/Reduction</th>
<th>Will Continue to Owe:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall 2013 August 4, 2014</td>
<td>1st, 2nd, 3rd, and 4th Yr.</td>
<td>100%</td>
<td>0%</td>
</tr>
<tr>
<td>August 11, 2014</td>
<td>1st, 2nd, 3rd, and 4th Yr.</td>
<td>80%</td>
<td>20%</td>
</tr>
<tr>
<td>September 02, 2014</td>
<td>1st, 2nd, 3rd, and 4th Yr.</td>
<td>50%</td>
<td>50%</td>
</tr>
<tr>
<td>Spring 2014 January 05, 2015</td>
<td>1st, 2nd, 3rd, &amp; 4th Yr.</td>
<td>100%</td>
<td>0%</td>
</tr>
<tr>
<td>January 09, 2015</td>
<td>1st, 2nd, 3rd, &amp; 4th Yr.</td>
<td>80%</td>
<td>20%</td>
</tr>
<tr>
<td>January 30, 2015</td>
<td>1st, 2nd, 3rd, &amp; 4th Yr.</td>
<td>50%</td>
<td>50%</td>
</tr>
</tbody>
</table>

Josh Stamper is a Kentucky native born right here in Lexington and growing up in Richmond. He is a first generation college student who attended the University of Kentucky where he obtained his Bachelors of Science in Biology in route to pursuing his dream of attending dental school. During this route, Josh’s love for public health dentistry became apparent as he took a position to work as the dental coordinator for The Refuge Clinic, a free medical and dental clinic for those in need in Lexington, KY. Josh considers working with the Refuge one of his happiest and greatest life achievements; second only to being accepted into the DMD program here at UKCD. In “True blue” fashion, Josh considers UKCD to be the best and only dental school in Kentucky, and is proud to call it his dream school. In his free time, Josh enjoys cheering on the Wildcats every basketball season, riding his motorcycle on sunny afternoons, or working with his hands to build/fix anything he doesn’t know much about, learning as he goes. Upon graduation, Josh hopes to go into private practice while maintaining his love for public health dentistry by continually working in free dental clinics for those in need. To lifelong involvement in organized dentistry and provide services, information, education, representation, and advocacy. The UK College of Dentistry’s ASDA chapter participates in a number of community service and networking activities throughout the year.
Academic Affairs

The Curriculum

The University of Kentucky, College of Dentistry, in meeting its responsibility to the Commonwealth, the University, the dental profession and the student, is dedicated to the education of a dentist who meets defined levels of skills and knowledge and has demonstrated ethical behavior and judgment that will benefit the public. The content and sequencing of the curriculum is maintained so that students should be able to complete the curriculum satisfactorily in four years and be awarded the degree of Doctor of Dental Medicine (D.M.D.).

The College of Dentistry offers a curriculum that prepares the student for the general practice of dentistry. Since the health needs of Kentucky and the nation are constantly changing, an effective curriculum in dentistry requires relatively frequent revision of courses and requirements. For this reason, the curriculum described in this bulletin is subject to change from year to year, not only in content and sequencing but also in the educational methodology utilized.

The dental curriculum is composed of four categories of study: biological sciences, behavioral science, preclinical dentistry, and clinical dentistry. Courses in these areas may be taught by lecture, seminar, self-instruction or any combination of the above formats. Laboratory and clinical settings provide supplemental learning experiences for the didactic information which the students receive.

In the clinical setting, students treat patients under the supervision of the clinical faculty. Comprehensive dental care for the patient is emphasized and so, because of the varying needs of individual patients, the objectives of each clinical treatment experience by each student will vary. The concept of comprehensive dental care permits learning experiences in all the clinical disciplines of dentistry.

Students, faculty and staff of the College of dentistry are expected to adhere to the Code of Professional and Academic Responsibility, and the Medical Center’s Behavioral Standards in Patient Care, and Health Care Colleges Code of Student Professional Conduct. These documents call for high standards of professional and human behavior in caring for patients.

Extramural experience in dental practice is a required component of the curriculum. Students are placed in the offices of dental practitioners, public institutions or other health delivery systems in AHEC approved urban and rural areas throughout the state of Kentucky. One of the goals of the extramural experience is to provide the student with a view of dentistry as it is actually practiced.

In addition to the core, or required curriculum, the College offers a number of elective courses in a variety of biological and clinical dentistry subjects. Electives provide an effective way to satisfy the individual needs and interests of the students. Fourth-year students are required to take two elective courses. Enrollment in additional elective courses requires the approval of the course director and the appropriate Academic Performance Committee.
During the course of study, any student may be denied permission to continue in the formal educational program if, in the opinion of the faculty and administration, that student's character, attitudes, mental or physical fitness cast grave doubt upon the student's capabilities as a dentist. The Doctor of Dental Medicine degree is awarded to those students who have satisfactorily completed every required component of the dental curriculum and have applied for graduation.

**First Year**

**Course Design**  
**Title**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>ANA 530</td>
<td>Combined Histology and Special Oral Microanatomy (5)</td>
</tr>
<tr>
<td>CDE 814</td>
<td>Patients, Dentists and Society I (1)</td>
</tr>
<tr>
<td>CDE 815</td>
<td>Fundamentals of Dental Public Health (2)</td>
</tr>
<tr>
<td>CDS 815</td>
<td>Introduction to Clinical and Community Practice (3)</td>
</tr>
<tr>
<td>CDS 818</td>
<td>Profession of Dentistry I (1)</td>
</tr>
<tr>
<td>OBI 812</td>
<td>Dental Biochemistry (6)</td>
</tr>
<tr>
<td>RSD 811</td>
<td>Principles of Dental Anatomy, Morphology and Occlusion Lecture (3)</td>
</tr>
<tr>
<td>RSD 812</td>
<td>Principles of Dental Anatomy, Morphology and Occlusion Laboratory (3)</td>
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<tr>
<td>CDS 813</td>
<td>Management I: Introduction to Management for the Dentist (2)</td>
</tr>
<tr>
<td>CDS 819</td>
<td>Special Topics in Dentistry (1)</td>
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<tr>
<td>RSD 810</td>
<td>Fundamentals of Operative Dentistry I (2)</td>
</tr>
<tr>
<td>RSD 814</td>
<td>Preclinical Operative Dentistry I (2)</td>
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<tr>
<td>ANA 534</td>
<td>Dental Gross Anatomy and Embryology (6)</td>
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<td>ANA 538</td>
<td>Dental Neuroanatomy (2)</td>
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<tr>
<td>CDS 812</td>
<td>Normal Human Growth and Development (1)</td>
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<td>OBI 814</td>
<td>Dental Physiology (5)</td>
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<tr>
<td>ODM 810</td>
<td>Basic Principles in Oral and Maxillofacial Radiology (2)</td>
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<tr>
<td>ODM 814</td>
<td>Oral Diagnosis/Oral Medicine and Treatment Planning (2)</td>
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<tr>
<td>PER 810</td>
<td>Periodontics I (1)</td>
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<td>PER 820</td>
<td>Periodontics II (3)</td>
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<tr>
<td>RSD 813</td>
<td>Dental Cariology (1)</td>
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<td>RSD 816</td>
<td>Esthetic Dentistry I (1)</td>
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<td>RSD 818</td>
<td>Preclinical Esthetic Dentistry I (1)</td>
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<tr>
<td>RSD 822</td>
<td>Principles of Dental Occlusion and Articulation (3)</td>
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<td>Course Code</td>
<td>Title</td>
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<tr>
<td>CDE 824</td>
<td>Communication in the Dental Health Care Setting (1)</td>
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<tr>
<td>CDS 821</td>
<td>Local Anesthesia (1)</td>
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<tr>
<td>CDS 824</td>
<td>Introduction to Oral Diagnosis and Treatment Planning (2)</td>
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<tr>
<td>OBI 828</td>
<td>Immunity, Infection and Disease for the Student Dentist (6)</td>
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<tr>
<td>ODM 820</td>
<td>Oral and Maxillofacial Radiology and Diagnostic Imaging (2)</td>
</tr>
<tr>
<td>RSD 823</td>
<td>Preclinical Restorative Dentistry II (1)</td>
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<tr>
<td>RSD 824</td>
<td>Preclinical Restorative Dentistry II (2)</td>
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<tr>
<td>CDS 823</td>
<td>Management II: Introduction to Clinical Patient Management (1)</td>
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<tr>
<td>END 820</td>
<td>Anterior Endodontics (2)</td>
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<tr>
<td>ODM 821</td>
<td>Clinical Oral Diagnosis I (1)</td>
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<tr>
<td>OPT 820</td>
<td>General Pathology for Student Dentists (3)</td>
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<tr>
<td>PDO 822</td>
<td>Pediatric Dentistry I (2)</td>
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<tr>
<td>PER 821</td>
<td>Clinical Periodontics II (2)</td>
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<tr>
<td>PRO 820</td>
<td>Preclinical Complete Denture Prosthodontics Lecture (2)</td>
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<td>PRO 822</td>
<td>Preclinical Complete Denture Prosthodontics Laboratory (2)</td>
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<td>RSD 821</td>
<td>Clinical Restorative Dentistry I (3)</td>
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<td>CDS 822</td>
<td>Gerontology/Geriatric Dentistry (1)</td>
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<td>Profession of Dentistry II (1)</td>
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<tr>
<td>END 822</td>
<td>Posterior Endodontics (2)</td>
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<tr>
<td>ORT 822</td>
<td>Orthodontics I (3)</td>
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<td>OSG 820</td>
<td>Oral Surgery I (1)</td>
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<td>PRO 821</td>
<td>Clinical Complete Denture Prosthodontics (1)</td>
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<tr>
<td>PRO 824</td>
<td>Removable Partial Dentures (2)</td>
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<td>RSD 825</td>
<td>Preclinical Restorative Dentistry II (1)</td>
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<tr>
<td>RSD 826</td>
<td>Preclinical Restorative Dentistry II Laboratory (2)</td>
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<td>Course Design</td>
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<td>------------------------------------------------------------</td>
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<tr>
<td>OBI 836</td>
<td>Dental Pharmacology and Therapeutics (3)</td>
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<tr>
<td>ODM 830</td>
<td>Management of the Medically Compromised Patient (3)</td>
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<tr>
<td>OPT 830</td>
<td>Oral Pathology I (3)</td>
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<tr>
<td>PER 830</td>
<td>Periodontics III (2)</td>
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<td>PRO 830</td>
<td>Advanced Removable Prosthodontics (1)</td>
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<tr>
<td>PRO 834</td>
<td>Preclinical Restorative Dentistry III (4)</td>
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<tr>
<td>RSD 827</td>
<td>Dental Biomaterials (2)</td>
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<tr>
<td>CDS 833</td>
<td>Management III: Clinical Patient Management (1)</td>
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<tr>
<td>CDS 835</td>
<td>Dental Implantology (2)</td>
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<td>Clinical Endodontics II (1)</td>
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<tr>
<td>ODM 831</td>
<td>Clinical Oral Diagnosis II (1)</td>
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<tr>
<td>OSG 831</td>
<td>Oral Surgery Rotation I (1)</td>
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<tr>
<td>PDO 831</td>
<td>Clinical Pediatric Dentistry I (2)</td>
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<td>PDO 834</td>
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<td>PER 831</td>
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<td>PRO 831</td>
<td>Clinical Removable Prosthodontics (2)</td>
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<td>PRO 836</td>
<td>Principles of Fixed Prosthodontics (2)</td>
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<td>CDE 830</td>
<td>Advanced Concepts in Dental Public Health (1)</td>
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<td>OPT 832</td>
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<tr>
<td>OSG 830</td>
<td>Oral Surgery II (1)</td>
</tr>
<tr>
<td>RSD 835</td>
<td>Advanced Esthetics in Restorative Dentistry (2)</td>
</tr>
</tbody>
</table>
Fourth Year

Course Design. Title

CDE 841 Dental Practice and Field Experience (6)
CDS 844 Drug Misuse, Abuse and Dependency: What Dentists Need to Know (1)
CDS 846 Diagnosis and Management of Facial Pain (3)
OPT 840 Oral Pathology III (1)
RSD 840 Restorative Dentistry Update (1)
CDE 844 Dental Practice Management II (4)
CDS 843 Management IV: Clinical Patient Management (1)
CDS 844 Drug Misuse, Abuse and Dependency; What Dentists Need To Know (1)
END 841 Clinical Endodontics III (1)
ODM 841 Clinical Oral Diagnosis III (1)
ORT 841 Clinical Orthodontics (1)
OSG 841 Oral Surgery Rotation II (1)
PDO 841 Clinical Pediatric Dentistry II (4)
PER 841 Clinical Periodontics IV (4)
PRO 841 Advanced Clinical Removable Prosthodontics (2)
RSD 841 Clinical Restorative Dentistry III (3)

Evaluation and Grading

Students have the right to receive grades based only upon a fair and just evaluation of their performance in a course as measured by the standards announced by their instructor(s) at the first or second class meeting of each course. This information should also appear in the course syllabus (i.e. nature of the course, the content, the activities to be evaluated, the grading practice to be followed, and the attendance policy). Evaluations by anything other than a good faith judgment based on explicit statements of the above standards are improper. Students who believe that grades have not been assigned in a fair and impartial manner have the right to seek review and/or appeal of the grade.

Approved by the University Senate on November 8, 1999, the grading system (A, B+, B, C, and E plus I, W, and P/F) applies to all students.
Course directors will evaluate the performance of each student on course objectives and assign a grade as follows:

1. **Passing Grades:**
   - **A** = Exceptionally high level of performance; four (4) quality points are awarded for each credit hour.
   - **B+** = A high level of performance; three and one-half (3.5) quality points are awarded for each credit hour.
   - **B** = The minimum expected level of performance; three (3) quality points are awarded for each credit hour.
   - **C** = A marginal level of performance; two (2.0) quality points are awarded for each credit hour.
   - **P** = A passing grade in courses taken on a pass-fail basis. It is not used in G.P.A. calculations.

2. **Failing Grades:**
   - **E** = An unacceptable level of performance; zero (0) quality points are awarded for each credit hour.
   - **F** = Represents an unacceptable level of performance in courses taught on a pass/fail basis. It is not used in G.P.A. calculations.

3. **Incomplete Grade:**
   - **I** = Course objectives have not been completed during the allotted course time due to circumstances usually beyond the student’s control. An I grade shall be given only when there is a reasonable possibility that a passing grade will result when work is completed. An I must be replaced by another grade within 12 months or before graduation, whichever occurs sooner. After this period, an I grade will automatically convert to an E or an F grade as appropriate.

   Note: A written report must accompany the I grade. The report shall include the reasons for issuing the I and the work that the student must complete to receive a passing grade.

4. **Withdrawal:**
   - **W** = This grade will be awarded to a student who withdraws from a course or from the College. It shall be awarded only after recommendation by the Academic Performance Committee and approval by the Dean.

   *Note: Withdrawal from any course will usually result in a delay in the student’s completion of the curriculum.*
Questions regarding policies may be directed to Dr. Pam Stein, Associate Dean for Academic Affairs (323-5656).

**Academic and Tutorial Services**

The Offices of Academic Affairs and Admissions and Student Affairs offers various programs and activities designed to help facilitate the success of students in the dental curriculum. First-year student dentists are provided instruction in study skills, time management, note-taking and test-taking. In addition, upper-class student dentists are employed by the Offices of Academic Affairs and Admissions and Student Affairs as tutors for those individuals needing additional help in specific courses or for those desiring to improve their overall performance in the didactic, laboratory, and clinical components of the curriculum.

**Academic Disciplinary Policies**

The following policies are initiated in cases involving unsatisfactory academic performance.

- **Probation**

A student will be placed on probation if he or she has:

1. a grade point average (G.P.A.) for the academic year less than 2.75;  
2. received a failing grade (E or F); or,  
3. failed one or more parts of either Part 1 or Part 2 of The National Dental Board Examination

*Terms of Probation.* The terms of probation will be established by the Academic Performance Committee. The duration of probation will be at least one semester. Passing a course that has been failed is a condition of all probations. Additional terms of probation may be established by the Academic Performance Committee. Students on probation are ineligible for certain curricular or extracurricular College activities.

If a student has failed a National Dental Board Examination, taking the examination the next time it is available and passing it shall be among the terms of probation. The terms shall also include required activities to help the student prepare to pass the examination.

*Removal from Probation.* A student will be removed from probation by the Academic Performance Committee when he or she has at least a cumulative 2.75 G.P.A., has at least a 2.75 G.P.A. in the current academic year, has passed any failed course, and has satisfied the terms of probation in the
Suspension

The Academic Performance Committee (APC) shall recommend to the Dean that a student be suspended if the student has:

1. Received two or more failing (E or F) grades; or
2. Received a failing grade (E or F) while on probation; or
3. Failed to meet the terms of probation; or,
4. At any time after the second year of the curriculum, achieved a cumulative GPA of less than 2.75; or,
5. Failed Part 1 or 2 of the National Dental Board Examination a second time.
6. Failed Part 1 or 2 of the National Board Examination while on probation.
7. Received a failing grade (E or F) and fails Part 1 or 2 of the National Board Examination.

In addition to satisfying one of the seven criteria above, the APC must have determined based on available evidence that the student is capable of completing the curriculum after receiving counseling and/or completing work outside the College. The Academic Performance Committee will recommend the terms for the consideration of reinstatement following suspension and make recommendations to the Dean regarding these terms.

Review. A suspended student may request an appeal hearing. Procedure will follow the College of Dentistry policy “Appeal Procedures.”

Reinstatement following suspension. When the student has met the terms of suspension, has demonstrated that he or she can perform at the level required to graduate from the College, and has met the terms of reinstatement recommended by the APC, the Dean may reinstate him or her. However, granting a request for reinstatement is not automatic. A reinstated student will be placed on probation, subject to terms recommended by the Academic Performance Committee and approved by the Dean. A student who has not been reinstated within 18 months of the original suspension date will be considered dismissed and will no longer be eligible for reinstatement.

A student who has been suspended because of a second failure of Part 1 or 2 of the National Dental Board Examination shall not be readmitted until she or he takes and passes Part 1 or 2 of the National Board Examination. If a student who has been suspended for a second failure of Part 1 or 2 of the National Board Examination does not retake and pass the Boards within six months of the date of the second failure, that student will be dismissed. American Dental Association
policy now states “effective January 1, 2007, National Board Dental candidates who have not passed an examination after three attempts will be required to wait **12 months** after their third attempt before they can apply for reexamination.” Students should be aware that the results of some state/regional licensure exams are valid for a limited time. Students should contact the state/regional board of interest for information on this issue.

**Dismissal**

The Academic Performance Committee (APC) shall dismiss a student if the student has:

1. Received two or more failing (E or F) grades; or,
2. Received a failing grade (E or F) while on probation; or,
3. Failed to meet the terms of probation; or,
4. At any time after the second year of the curriculum, achieved a cumulative G.P.A. of less than 2.75; or,
5. Failed Part 1 or 2 of the National Board Examination a second time; or,
6. Failed Part 1 or 2 of the National Board Examination while on probation; or,
7. Received a failing grade (E or F) and fails Part 1 or 2 of the National Board Examination.

In addition to satisfying one of the seven criteria above, based on the available evidence, the APC has determined that the student is not academically capable of completing the curriculum or is otherwise unsuitable for dentistry for reasons that include, but are not limited to: unacceptable personal hygiene; inability to establish rapport with patients; inability to work effectively with other health care team members; undependability; lack of integrity, initiative or interest.

*Suspended students.* A suspended student who has failed Part 1 or 2 of the Boards for the second time shall be dismissed if he or she does not take and pass the Boards within 6 months of the date the student took and failed the Boards for the second time. A student who has not been reinstated within 18 months of the original suspension date will be considered dismissed and will no longer be eligible for reinstatement. American Dental Association policy now states “effective January 1, 2007, National Board Dental candidates who have not passed an examination after three attempts will be required to wait **12 months** after their third attempt before they can apply for reexamination.” Students should be aware that the results of some state/regional licensure exams are valid for a limited time. Students should contact the state/regional board of interest for information on this issue.

*Previously suspended students.* If a student is subject to suspension or dismissal and has been previously suspended, the Academic Performance Committee shall dismiss that student rather than suspend him/her again.
Reinstatement following dismissal: A dismissed student shall not be reinstated.

Appeal. A dismissed student may request an appeal hearing. Procedure will follow the College of Dentistry policy “Appeal Procedures.”

Further information on the College's Academic Disciplinary Policies is available from the Office of Academic Affairs (M132).

Postdoctoral Education

The College of Dentistry offers advanced education programs in several areas. The D.M.D. or equivalent degree is necessary for acceptance into any of these programs. Residents of Kentucky and non-residents, who have strong academic and professional records are given consideration and are encouraged to apply.

Stipends are paid to general practice, oral and maxillofacial surgery, orofacial pain and pediatric dentistry residents. Graduate students in periodontics, orofacial pain, and orthodontics register for academic credit. Students should not plan to practice while enrolled in any of these programs.

General Practice Residency –
Ted P. Raybould, D.M.D., Program Director

Oral and Maxillofacial Surgery –
Larry Cunningham, D.D.S, M.D.
Program Director

Orofacial Pain –
Jeffrey P. Okeson, D.M.D., Program Director

Orthodontics –
Sarandeep Huja, D.D.S., M.S.D, Division Chief

Pediatric Dentistry –
Erwin G. Turner, D.M.D., Program Director

Periodontics –
Mohanad Al-Sabbagh, D.D.S., M.S., Program Director
Application for Admission

Applying for Postdoctoral Programs

The University of Kentucky participates in PASS, the Postdoctoral Application Support Service provided by the American Dental Education Association. To complete a PASS application or to learn more about the service, visit the ADEA website at www.adea.org/PASS. PASS begins processing applications on June 1.

The General Practice Residency, Periodontology and Orofacial Pain programs at the University of Kentucky, College of Dentistry have their own application process. To receive an application, contact the office of the Division Chief or Program Director.

General Practice Residency In Dentistry

The General Practice Residency Program is designed to extend the graduate's capability in performing all phases of general dentistry in either private practice or hospital-based settings. Patients of all ages are treated with special emphasis placed on the medically compromised. Residents participate in rotations in general dentistry, oral surgery, anesthesia, and medicine. Didactic and clinical experiences are available in the various dental specialties as well as in intravenous sedation and comprehensive pain control. The clinical aspect of the program includes the treatment of about 10,000 patients per year. There are opportunities for both clinical and non-clinical research. The residency program is accredited by the Commission on Dental Accreditation of the American Dental Association.

Applicants must be graduates of an ADA-accredited dental school. Selection criteria include academic performance in dental school education, National Board scores, motivations and goals, letters of reference and required interviews. Applications from dentists trained outside of the United States and Canada will be considered on an individual basis.

Four full time and seven part-time general dentists and specialist from the University of Kentucky College of Dentistry and the Veterans Administration Medical Center serve as program faculty. Numerous other dentists and physicians participate in seminars and fulfill special program roles. The 12-chair general dentistry clinic in the Kentucky Clinic and 12 chair clinic in the Veteran’s Administration Hospital serve as the primary dental clinics for the general practice residents.

Stipends are paid to residents in the General Practice Residency, Oral and Maxillofacial Surgery, Orofacial Pain, and Pediatric Dentistry programs.
Oral And Maxillofacial Surgery

The College of Dentistry offers an accredited six-year program in Oral and Maxillofacial Surgery designed to meet the requirements of the Commission on Dental Accreditation and the American Board of Oral and Maxillofacial Surgery. A one-year internship in Oral and Maxillofacial Surgery is also available for those applicants who desire to strengthen their clinical experience and didactic foundation in Oral and Maxillofacial Surgery.

Educational activities in the biomedical sciences as prescribed by the Commission and the Board are integrated throughout the six years. The program is clinically oriented, and balanced in providing experiences in dentoalveolar, implants, orthognathic surgery, temporomandibular joint surgery, maxillofacial trauma, reconstructive surgery, pathology, and ambulatory pain and anxiety control. The program includes 36 months of oral and maxillofacial surgery training, 2 years of medical school, and a year of general surgery internship. A 3 month research block is mandatory in the fifth year of training. Presentation of results at a national meeting and submission of a manuscript for publication are strongly encouraged.

The primary teaching hospitals are the 473-bed University of Kentucky Hospital, the 370-bed Veterans Affairs Medical Center, and the 302-bed Good Samaritan Hospital. Six full-time and one part-time attendings assume primary responsibility for the teaching program. Faculty takes an active role in the teaching by providing weekly lecture topics, participation in weekly conferences, participation on hospital rounds and directing the overall patient care that is provided.

Orofacial Pain

The College of Dentistry offers a two-year CODA approved residency program in orofacial pain. This program was one of the first to be accredited in the United States. The program can be combined in cooperation with the University of Kentucky Graduate School, for a Master of Science degree in orofacial pain. This combined program has a length of three years. This program provides advanced training in the understanding, diagnosis, and management of temporomandibular disorders and complex orofacial pain.

The Orofacial Pain Center was founded in 1977 and emphasizes a multi-disciplinary approach to managing complex orofacial pain. Patients are routinely evaluated by dentists, clinical psychologists and physical therapists. Medical and dental specialists are called upon regularly to assist in the diagnosis and management of complex pain problems. The Master's degree program is composed of didactic, clinical, and research components which can be completed in 24 months. Most candidates participate in the one Year Fellowship Program prior to entering the Master of Science Degree Program.
The didactic portion of this program consists of the completion of 30 hours of designated graduate courses in the College of Dentistry. Course content includes anatomy, neuroanatomy, growth and development, pain physiology, craniomandibular biomechanics, masticatory function and dysfunction, pharmacology, imaging techniques, and statistics.

Lectures also are presented by specialists in psychology, rheumatology, neurology, anesthesiology, oral surgery, rehabilitative medicine, physical therapy, and pain management. Each graduate student will evaluate and manage orofacial pain patients. This program emphasizes the diagnosis and management of orofacial pain rather than the dental skills used to alter dental structures. Certain orthopedic appliances routinely will be used to manage orofacial pain, together with various diagnostic and therapeutic injection techniques. Emphasis will be placed on establishing proper diagnosis and developing appropriate relationships with medical specialists who can assist in managing the patient's specific pain complaint.

The graduate student receives clinical training in the Orofacial Pain Center under the supervision of two full-time and five part-time faculty members specializing in pain problems. The graduate student also will have the opportunity to work with clinical psychologists, a physical therapist, and other health professionals trained in pain problems.

The Orofacial Pain Center is located in the Kentucky Clinic and has a private patient reception and waiting area with an adjacent secretarial office. The treatment area consists of eight private dental cubicles and a conference room with residents’ desks. There is also an office for the clinic director.

**Orthodontics**

A 34-month graduate program is offered in conjunction with the Graduate School at the University of Kentucky, upon the successful completion of which the student receives a Master of Science degree and a Certificate to practice orthodontics. Between two and four applicants are accepted into the program annually. The educational objectives of the program are to develop clinical and teaching skills, to obtain the relevant scientific background in the specialty area, and to design, execute, and publish master's level research.

The Master of Science Degree Program requires the successful completion of 30 credit hours of graduate courses in the College of Dentistry. In addition, the research component requires each Master of Science Degree candidate to complete a manuscript developed from original research. The Degree is awarded after successful completion of all course work, a public defense of the research, and submission of the manuscript to a peer-reviewed journal. Arrangements can be made with the Graduate School for those interested in obtaining a Doctor of Philosophy degree combined with orthodontics clinical training. The Division of Orthodontics also offers a year-long Craniofacial Biology Externship Program providing in-depth exposure to basic and clinical research, primarily in the areas of bone biology, genetics and/or orthodontics.
In addition to the program director, three full-time clinical, one full-time researcher, and six part-time orthodontists make up the specialty faculty. Other College, Health Care College and University Faculty conduct classes, seminars and special clinics as part of the didactic and clinical curriculum. The Orthodontic Graduate Program provides a robust clinical experience in comprehensive orthodontics, with emphasis on goal-oriented diagnosis and treatment of different malocclusions. Faculty members teach multiple treatment modalities, including functional therapy, comprehensive and interceptive care, straight-wire systems, lingual therapy, and thermoplastic, removable treatment. A series of seminars on business administration and practice management also are part of the curriculum.

Interdisciplinary care is also emphasized in the Graduate Clinic. These team approaches to comprehensive care include surgical orthodontics, treatment in the mixed dentition, accelerated orthodontics in conjunction with periodontics and esthetic dentistry involving collaboration with periodontics, prosthodontics, oral and maxillofacial surgery, and restorative dentistry. Diagnosis and treatment of patients with cleft lip/palate and other craniofacial anomalies is included. All clinical treatment is conducted under an attending model, which fosters best-evidence based approaches and creative/critical thinking. Faculty model American Board of Orthodontics (ABO) standards and certification, and cultivate a culture of clinical excellence among residents. Research projects will be conducted under the guidance of Faculty of the Division of Orthodontics or under the guidance of faculty outside the division of orthodontics with the approval of the Program Director of Orthodontics and the College's Director of Graduate Studies. Research opportunities include clinical orthodontic studies, as well as basic research in bone biology, medical genetics, developmental biology, microbiology, immunology, pharmacology, physiology, and engineering. Graduate students are required to teach in clinical and didactic courses in the doctoral dental curriculum. They also must take and pass the written exam of the American Board of Orthodontics, and there is also an emphasis on residents preparing for and completing the ABO Initial Certification Exam.

**Pediatric Dentistry**

The College of Dentistry offers a residency program for postdoctoral student dentists seeking specialty training in pediatric dentistry. The development of a wide based knowledge and advanced skills in clinical pediatric dentistry are the primary objectives of the program.

The program involves clinical exposure, didactic courses, and research which enables the candidate to experience the educational activities recommended by the American Board of Pediatric Dentistry and the American Academy of Pediatric Dentistry. The didactic portion consists of a series of interrelated seminars about basic and advanced pediatric dental care, the care of the handicapped and chronically ill child, as well as the diagnosis and
treatment of occlusion problems in the primary, mixed and early permanent dentitions. The basic 24-month program includes a core curriculum, specialty course work, a wide range of clinical experiences, and a research project. The program has a strong focus on treatment of medically, mentally, and physically compromised children and adolescents. It also focuses strongly on hospital and pharmacological management of patients to include oral sedation; and management of the developing dentition for children and adolescents under the direct supervision of a Board Certified Orthodontist.

In addition to the program director, there are three full-time faculty, all of whom are Board Certified, and four part-time and volunteer Pediatric Dentists who comprise the residents’ faculty. Other dental school and Medical Center faculty also conduct course seminars and presentations as part of the curriculum.

The facilities used by pediatric dentistry residents include modern clinical, seminar, and research facilities located in the Kentucky Clinic and the dental science wing of the Medical Center. Additional facilities include 2 self-contained, 40-foot mobile dental units which utilize the residents to provide populations of children with much needed dental care. The faculty and residents have scheduled blocks in the operating rooms at the Center for Ambulatory Care and the A.B. Chandler Medical Center for both treatment under general anesthesia and IV sedation.

Periodontology

The advanced education program in periodontology is a 36-month program that culminates in the awarding of the Master’s of Science degree and a certificate in periodontology. The goal of the program is to prepare individuals for careers in either academic periodontology or private specialty practice. Two graduate students are accepted each year. The program begins on or about July 1 and the deadline for application is July 15 of the preceding year.

The program is a full-time course of study consisting of clinical, research, and didactic components. The didactic component consists of seminars that involve extensive reading in the literature. Courses include Biology and Pathogenesis (PER 772), Periodontal Therapy Literature Review (PER 776), Oral Biology (OBI 650), Oral Pathology (OPT 651), Biostatistics (STA 570), plus a number of other topical seminars. There is a rotation on anesthesiology, and all graduate students are expected to become ACLS-certified during their first year. Students document and present their cases in a formal case presentation/treatment planning seminar (PER 770) as well as a surgical seminar (PER 774). The case analysis and defense exercises are patterned after the oral examination of the American Board of Periodontology.
The program is especially strong in the areas of implant surgery, conscious sedation, and cosmetic surgery. Residents typically place between 60-125 implants, as well as they perform sinus augmentations, ridge augmentation, and a wide range of periodontal surgical procedures. There are off-service rotations in anesthesiology.

In keeping with the philosophy of the College of Dentistry, the collegial atmosphere of the program encourages close contact with the faculty. The program has a rich heritage, and graduates have gone on to positions of importance in the specialty. During the 1960’s, the program was one of the most progressive and innovative in the country, and in the mid-1980’s was one of the first to offer formal coursework in implantology. This heritage of innovation continues as current graduate students are exposed to a wide range of therapeutic modalities, including regenerative therapy, implantology and sinus augmentation. Close cooperation with colleagues in other disciplines (orthodontics, oral and maxillofacial surgery, prosthodontics, otolaryngology, biomedical engineering) is encouraged, as are interdisciplinary seminars and educational opportunities. The faculty of the Division of Periodontology includes four periodontists and one dental hygienist. Faculty from other disciplines also participates in educational seminars.

Online Application form may be accessed at the University of Kentucky College of Dentistry’s website: http://www.mc.uky.edu/Dentistry/periodontology If you have any questions, please contact Ms. Terri McGlasson by email at tmcglas@uky.edu or by phone at 859-323-5391. One or two week externships are also available to qualified applicants.

**Patient Care**

The Patient Care program at the University of Kentucky, College of Dentistry Student Dental Clinic seeks to provide comprehensive care in an atmosphere that simulates the private group practice environment to optimize the clinical experience of the dental students and their patients.

From their first appointment, patients are made aware of their particular disease state and risk of further dental disease. An emphasis is placed on educating patients concerning their own dental health and prevention of dental disease. From their first interaction in the student dental clinic patients are encouraged to participate in the decision making, treatment planning and delivery of their care. Patients are assigned to a Team and a Team Leader who delegates responsibility for patient care to student members of his or her team. Patient assignments are based on a thorough examination and review of a tentative treatment plan. Since the Team Leader is a faculty member aware of individual student capabilities and skill levels, more appropriate matches of patient needs and desires with student needs and abilities are possible.

Patient preadmission examinations, assignment, treatment planning, continuity of care and management are coordinated and facilitated by the Team Leaders with participation of Oral Diagnosis faculty. During this initial examination, the Team Leader and student dentist elaborate on College policies and respond to individual patient concerns In addition, a new risk assessment
tool is available to help patients understand their risk of future dental disease. Depending on the severity of the dental disease, some patients with less disease will be able to have a final plan of treatment recommended at this initial appointment. Other patients with more dental disease will likely be reappointed for additional diagnostic data collection and consultations before a definitive treatment plan and alternatives are discussed with Oral Diagnosis faculty or Team Leader. From these appointments, patients are informed about their personal dental needs, dental diagnoses, risk factors influencing their disease and strategies for prevention of future disease. Patients also have an opportunity to discuss treatment plan options and may select an appropriate plan for their dental needs. Future dental appointments emphasize disease control and prevention followed by tooth replacement as necessary.

Team Leaders monitor the progress of patient care delivery of their team of students and are responsible for development and evaluation of clinical patient management skills throughout the student’s clinical years. Team Coordinators assist the Team Leaders with these responsibilities and they assist dental students with their patient and clinical management. Teams are considered large group practices and all treatment is supervised by either discipline-specific faculty or team leaders who are responsible for evaluation of the student performance in their respective clinical disciplines.

**Public Service**

The University of Kentucky, College of Dentistry has an extensive public service program. The Kentucky Oral Health Network (KOHN) was formed by the UK College of Dentistry in 2008 and is a network of UK clinical sites across the Commonwealth, state health departments, regional community health centers, and private practitioners. This network is providing oral health surveillance, oral health care and oral health education for thousands of children and adults throughout the Commonwealth. Our faculty, staff, student dentists, and residents are committed to reaching out to the public to improve oral health. In addition to educating dentists, the faculty and staff strive to provide access to patient care services, promote dental health education, conduct research, and provide clinical and educational support services to the profession.

Service learning opportunities are part of the curriculum for our student dentists and residents. They are expected to participate in extramural service programs and encouraged to volunteer their time to treat the oral health needs of underserved people in our Commonwealth. Student dentists begin their clinical education with patients in a school-based sealant project, Seal Kentucky, in rural Kentucky. During their fourth-year student dentists participate in a community-based learning experience providing services to underserved patients throughout the Commonwealth. In addition, student dentists participate in numerous oral health education and promotion activities that seek to increase awareness about the importance of oral health. Throughout all of the students’ clinical experience, students are able to participate in elective extramural externships which can be in private offices, federally qualified health centers, other university clinics, and in specialty clinics.
As part of the dental-safety net, the College of Dentistry provide comprehensive dental services to large number of underserved and underinsured individuals through its intramural and extramural clinics and its mobile van program. Faculty members provide high-quality comprehensive, general and specialized dental care at the faculty practice. Student dentists and dental residents render dental services under the supervision of faculty members at the College of Dentistry’s clinics. Evening and Saturday morning clinics serving needy children are available. As part of its outreach program, the College of Dentistry runs three mobile dental units and provides logistical support for a fourth unit operated by the College of Medicine. Through the mobile dental program, faculty and staff members provide dental services to school-children in Eastern, Central, and Western Kentucky.

The Kentucky Oral Health Network partners with Kentucky’s public health agencies, regional medical centers, practitioners, and dental organizations to provide clinical care and oral health education and promotion activities seeking to improve the oral health status of Kentuckians. The College also serves the profession of dentistry. Our Continuing Education program is offered in Lexington and throughout the Commonwealth. The tissue examination service (biopsy service) provided by Oral Pathology faculty is one of the Nation’s largest and receives specimens from all parts of the country. Our faculty provides leadership to the profession nationally and internationally by serving as speakers, officers, consultants, and board members in all the dental specialties.

Research

One of the College of Dentistry's major goals is to conduct biological, clinical, behavioral, and health services research that will lead to the discovery and application of new knowledge, provide an opportunity for research training for doctoral and postdoctoral students, and enhance the climate of scholarship within the College and Medical Center. We actively encourage students to participate in research projects during their stay in the College and give academic credit for this participation through a series of elective courses. Most of the research currently under way in the College falls into several broad categories:

- infection and inflammation as related to oral diseases
- biomaterials and dental devices
- oral disease prevention in children and the elderly
- oral health related to general health, particularly in pregnancy, cardiovascular disease, and diabetes
- health services research for oral health disparities, targeting oral health care delivery and oral health care education
- salivary biodiagnostics

Students are actively involved in all of these research areas. Students also are active in a formal Student Research Group, and compete for College-sponsored Student Research Fellowships.
The College's research program is productive, as evidenced by the number of scientific papers presented by students and faculty at various local and national dental research meetings, and the number of papers published in scientific journals. The College and the local chapter of the American Association of Dental Research annually sponsor a series of lectures and seminars that bring world-renowned researchers to the College to discuss their work.

We strongly believe that an active and dynamic research program benefits both students and faculty by improving the educational climate of the College, and ultimately benefits the citizens of Kentucky and the nation by contributing to the overall improvement of society. We strive hard to make this belief a reality.

**Continuing Education**

The University of Kentucky, College of Dentistry, recognizes that dental education does not end when the D.M.D. degree has been conferred. Learning must extend for a lifetime. Consistent with this philosophy, the college offers a variety of lecture, participation, and home-study courses for practicing dentists and dental auxiliaries. Highly knowledgeable speakers are sought out for the courses which are presented in many venues and range from two hour updates to continuums presented over several weekends. Hands-on courses are also available.

Courses are given in Lexington and at various locations throughout the state and nation. Distance learning technology is commonly employed and has proven to be effective. Through the College program, practitioners are able to expand their skill and knowledge base while informing themselves about new developments in oral health care.

For information on continuing dental education visit our website: http://www.mc.uky.edu/Dentistry/ce/default.htm

**Alumni Affairs**

The College of Dentistry and the University of Kentucky College of Dentistry Alumni Association offer a variety of regularly scheduled educational and social programs to College alumni. Among these are the Fall Symposium and Alumni Weekend, the summer Golf Scramble, and the annual Bourbon Tasting and Silent Auction which benefit the UKCD Alumni Association Scholarship, as well as special continuing education offerings directed specifically at College alumni.

The University of Kentucky College of Dentistry Alumni Association conducts its activities with several purposes in
mind. First and foremost, it is responsible for promoting the best interest and welfare of the University of Kentucky with specific attention given to the College of Dentistry. The Alumni Association strives to acquaint the membership with the achievements of their alma mater and focuses on the University's many contributions to the citizens of Kentucky and the nation. It also provides information on institutional goals and needs and encourages alumni to maintain close ties with the College of Dentistry.

The University of Kentucky Alumni Association is located in the King Alumni House while the College of Dentistry Alumni Association is an activity of the Dean's Office.

*Perspectives*, the College of Dentistry alumni publication, is mailed to alumni and friends once during the academic year. It provides information and features of interest designed to foster closer ties with the University of Kentucky College of Dentistry.

**Development**

The College of Dentistry's budget allocation from the University of Kentucky provides funding for only part of the College's programs and services. Private contributions from alumni and friends enable the College to carry out many activities in the area of education, patient care, research, and service not covered in the budget. Recent fundraising projects have included endowed faculty chairs, scholarship and award funds, outreach enhancement funds, and a campaign to fund the renovation of our pre-clinical simulation laboratory. The College of Dentistry’s Development office works closely with the College and University community as well as with its alumni to raise some of these funds. Gift programs are in place to be donor friendly and to provide opportunities for our alumni and friends to invest in the future of dental education at UKCD. As a result, the College of Dentistry is better able to fulfill its assigned mission thanks to the generosity of its alumni and friends.
An academic institution is more than its campus and classrooms; it is also the surrounding environment which supports social, emotional, and intellectual development.

Located in the internationally famous Bluegrass region of Kentucky, Lexington is 84 miles south of Cincinnati and 80 miles east of Louisville. With a population of 260,512, Lexington offers a multitude of job opportunities, entertainment, dining, recreation, and cultural events that add a special dimension to education.

Encompassing two centuries of history, Lexington was one of the first settlements beyond the Allegheny Mountains. Today, historical homes and monuments throughout the city remind citizens and visitors of Lexington's gracious heritage. This, along with its increasing business community with large corporations such as Lexmark, Ashland Oil, Procter and Gamble, General Electric, and nearby Toyota help create the unusual atmosphere of a thriving, growing city which still retains the appeal of a small community.

Cultural life is alive and well in Lexington. The Council of the Arts, Inc., composed of many non-profit corporate organizations, enhances the area's cultural resources with an active program in all the fine arts. Lexington is one of the few cities of its size to offer a philharmonic orchestra and a ballet company. Community theater groups perform regularly and national touring groups present Broadway attractions at the historic Opera House. The area also enjoys the unique exhibits at the nationally-accredited Art Museum located in the University's Otis A. Singletary Center for the Arts.

Lexington is known as the horse capital of the world, and for good reason. Within a 35-mile radius of downtown, several hundred horse farms can be found ranging in size from a few acres to 6,000 acres. Area farms breed and train some of the world's best thoroughbred, standardbred, and saddlebred horses. Famous horse sites in the region include the Kentucky Horse Park, Calumet Farm, and Keeneland Race Course. Tourists also are attracted to the greater Lexington region by the historic and beautiful scenery of the Bluegrass, which includes the Red River Gorge, Shakertown at Pleasant Hill, Fort Boonesborough, and an excellent state park system.
Directions to the University Kentucky College of Dentistry

Directions from I-75 South / I-64 East:

After the merger of I-75 South and I-64 East, take the first exit marked Newtown Pike (Exit 115). Veer right off the exit and follow Newtown Pike toward downtown Lexington. After traveling approximately 3.3 miles, turn left onto West Main Street (Route 25). Continue on West Main Street through 7 traffic lights and turn right onto Rose Street. Follow Rose Street until you see the pedway that connects the Chandler Medical Center with the Kentucky Clinic. Turn left just before the pedway and follow the signs for Hospital parking. Enter the hospital through the main entrance revolving door and receive further directions from the staff at the information desk.

Directions from I-75 North / I-64 West:

I-64 West: Exit on I-75 South and take the first exit, which is Winchester Road (Route 60). Follow directions below.

I-75 North / I-64 West:
Exit on Winchester Road (Route 60). Follow Winchester Road West toward downtown Lexington. After 10 traffic lights the road will split; stay to the left, following the sign for Route 60 West. At the next stop light (approximately 4 miles from the interstate exit), turn right onto Main Street. Immediately make your way into the left lane and turn left at the first traffic light onto Rose Street. Follow Rose Street until you see the pedway that connects the Chandler Medical Center with the Kentucky Clinic. Turn left just before the pedway and follow the signs for Hospital parking. Enter the hospital through the main revolving door and receive further directions from the staff at the information desk.
Faculty

COLLEGE OF DENTISTRY
Sharon P. Turner, Dean
DEPARTMENT OF ORAL HEALTH PRACTICE
Robert E. Kovarik, Interim Chair

Endodontics
Alfred Wiemann, Division Chief

Barry L. Burkett, Assistant Professor (part-time), D.M.D., Kentucky, 1977; Cert. Endo., Bethesda, MD
Gregory A. Carman, Assistant Professor (part-time), D.M.D., Kentucky, 1996; M.S., and Cert. Endo., Univ. of Louisville, 2010
Anna Dressman, Assistant Professor (part-time), D.M.D., Kentucky, 2007; Cert. Endo., Ohio State, 2011
Paul T. Wehrman, Assistant Professor (part-time), D.M.D., Kentucky, 1973; Cert. Endo., Pittsburgh, 1978
Alfred Wiemann, Assistant Professor, D.M.D., Kentucky, 1981

Oral Diagnosis, Oral Medicine and Oral Radiology
Iquebal Hasan, Division Chief

Robert Danaher, Assistant Professor, Ph.D., Maryland, 1994
Iquebal Hasan, Assistant Professor, B.D.S., Magadh Uni, India, 1995
John E. Lindroth, Associate Professor, D.D.S., West Virginia, 1977; Fellowship, Orofacial Pain, Kentucky, 1992
Teresa Dawahare Lyon, Assistant Professor (part-time), D.M.D., Kentucky, 1989; Cert. GPR, Kentucky, 1991
Craig S. Miller, Professor, D.M.D., Kentucky, 1982; Cert., G.P.R., USAF, 1983; M.S., Texas-San Antonio, 1987
Kenneth B. Nusbacher, Assistant Professor, D.M.D., Kentucky, 2008
B. Lynn Theiss, Assistant Professor, D.M.D., Kentucky, 1986; G.P.R., Kentucky 1988; M.S.D., Geriatric Dental Fellowship, Kentucky, 1991

Periodontics
Mohanad Al-Sabbagh, Division Chief

Mohanad Al-Sabbagh, Assistant Professor, D.D.S., Damascus, Syria, 1993; M.S., Buffalo, 2002
Dolph Dawson, Assistant Professor, D.M.D., Univ. of Louisville, 1993; M.S., Kentucky, 1998
Jeffrey Ebersole, Professor, Ph.D., Pittsburgh, 1975
Pinar Emecen Huja, Assistant Professor, D.D.S., Hacettepe University, Turkey, 1998; Ph.D., Hacettepe University, Turkey, 2005; M.S. Ohio State, 2011
Ward T. Piepgrass, Assistant Professor (part-time) D.D.S., Univ of Alberta, 1986; M.S., Kentucky, 2007
Samuel J. Jasper, Associate Professor, D.D.S., Ohio State, 1976; M.S., Ohio State, 1980
Elliot Neuman, Assistant Professor (part-time), D.M.D., Kentucky, 2011; Cert. Periodontics, Kentucky, 2014
Thomas G. Rubino, Assistant Professor (part-time) D.D.S., Virginia, 1983; M.S., Kentucky, 1988
W. Neal Shepherd, Assistant Professor (part-time) D.D.S., Univ of Louisville, 2005
Nancy von Lackum, Assistant Professor (part-time) D.M.D., Univ. of Florida, 2010

Restorative Dentistry
Robert Q. Frazer, Division Chief

Bertoli, Elizangela, Assistant Professor, D.D.S., Universidade Federal Do Espirito, 1995; Cert. Endodontics, Universidade Federal Do Espirito, 1998; Cert. Orofacial Pain, Kentucky, 2000; M.S., Kentucky, 2005
Bishop, Susan, Assistant Professor (part-time), D.M.D., Kentucky, 2001
Raymond J. Byron, Jr., Associate Professor (part-time), D.M.D., Kentucky, 1979
Paula Caskey, Assistant Professor, D.M.D., Kentucky.
Rodrigo Hidalgo Fuentealba, Assistant Professor, D.D.S., Univ. of Concepcion, Chile, 1996
Ershal Harrison, Assistant Professor, D.M.D., Kentucky, 1981
James E. Haubenreich, Associate Professor (part-time), D.D.S., Memphis, 1977
Jane Jordan, DMD, Assistant Professor (part-time), D.M.D., Kentucky, 1987
Ahmad Kutkut, Assistant Professor, D.D.S., Univ of Jordan, 2001; M.S.D., New York, 2010
Harold R. Laswell, Professor, D.D.S., Indiana, 1961; M.S.D., Indiana, 1966
Stacie Maggard, Assistant Professor (part-time), D.M.D., Kentucky, 1998
Thomas A. McConnell, Associate Professor, D.D.S., University of the Pacific, 1977
Richard J. Mitchell, Associate Professor, M.S., Georgia, 1971; Ph.D., Virginia, 1975
Hiroko Nagaoka, Assistant Professor, D.D.S., Nihon Uni, Japan, 2001; M.S., Univ of North Carolina, 2013
Patricia Nihill, Associate Professor, (volunteer) D.M.D., S. Illinois, 1982; M.S., Northwestern, 1991
Joseph Parkinson, Assistant Professor, D.D.S., Univ of Missouri, 1997
Kristy A. Pepper, Assistant Professor, D.M.D., Kentucky, 2005
Gitanjali L. Pinto-Sinai, Assistant Professor, D.D.S., SUNY of Buffalo, 2001
Deborah S. Ray, Assistant Professor, D.M.D., Kentucky, 1987; G.P.R. Cert., Kentucky, 1988
Carla Rodriguez, Assistant Professor, D.M.D., Kentucky, 1981
Lindsay Rule, Assistant Professor (part-time), D.M.D, Arizona, 2012
Martha Rice, Assistant Professor (part-time), D.M.D., Kentucky, 1981
Lina Sharab, Assistant Professor (part-time), D.M.D., Syria, 2003
Richard P. Stoss, Assistant Professor (part-time), D.M.D., Kentucky, 2006
Robert C. Taylor, Assistant Professor, D.M.D., Kentucky, 2003
Charles A. Thomas, Associate Professor (part-time), D.M.D., Kentucky, 1977; Cert., Geriatrics, Duke, 1991
David Thornton, Assistant Professor (part-time), D.M.D., Kentucky, 2000
Carol Wilson, Assistant Professor (part-time), D.M.D., Kentucky, 2006
Gregory G. Zeller, Professor, D.D.S., Univ of Maryland-Baltimore, 1975; M.S., Univ of Maryland-Baltimore, 1983
Gregory A. Zoll, Assistant Professor (part-time), M.S.Ed., Kentucky, 1995

DEPARTMENT OF ORAL HEALTH SCIENCE

Jeffrey P. Okeson, Chair

Octavio A. Gonzalez, Assistant Professor, D.D.S., Pontifical Javeriana Univ., Columbia, 1993; M.Sc., Pontifical Javeriana Univ., Columbia, 2002; Ph.D., Kentucky, 2010
Chifu B. Huang, Assistant Professor (part-time), M.S., Kentucky, 1990; Ph.D., 1995, Kentucky; MBA Washington, 2002

Oral and Maxillofacial Surgery

Larry L. Cunningham, Jr., Division Chief

Kenneth Bondra, Assistant Professor (part-time), D.M.D., Univ of Pittsburgh, 1972
Larry L. Cunningham, Jr., Professor, D.D.S., Texas, 1995; M.D., Texas, 1998
William J. Curtis, Assistant Professor, D.M.D., Univ of Nevada-Las Vegas, 2006; M.D., Univ of Texas, 2010;
Enif A. Dominguez Fernandez, Assistant Professor, D.D.S., Central Univ of Venezuela, 2001;
Ehab Shehata, Assistant Professor, M.M.Ch.B., 1988; M.Sc., 1993; B.D.S., 1997; M.D., 2004; Univ of Alexandria, Egypt
Joseph D. Van Sickels, Professor, D.D.S., Virginia, 1972
Pediatric Dentistry

Enrique Bimstein, Division Chief

Shellie A. Branson, Assistant Professor (part-time), D.M.D., Univ. of Louisville, 1984; Cert. Pediatric Dentistry, Univ. of Louisville, 1986
Enrique Bimstein, Professor, C.D., Univ Nacional Autonoma De Mexico, 1970; Cert., Pediatric Dentistry Fellowship, Jerusalem, 1971; Cert., Master Educator Fellowship, Florida, 2007
Amy K. Goodlett, Assistant Professor (part-time), D.M.D., Kentucky, 2012; M.S., Indiana, 2014
Wendy K. Humphrey Van Meter, Assistant Professor (part-time), D.M.D., Kentucky, 2003; G.P.R. Cert., Kentucky, 2004; Cert. Pediatric Dentistry, Kentucky, 2008
Rodney Jackson, Assistant Professor (part-time), D.M.D., Kentucky, 2001
Harold D. Lester, **Assistant Professor, D.M.D., Louisville, 1963
David A. Nash, Professor, D.M.D., Kentucky, 1968; M.S., Iowa, 1970; Ed.D., West Virginia, 1984
Cristina V. Perez Pacheco, Assistant Professor, D.D.S., Concepcion, Chile, 1998; Cert., Clinical pediatric dentistry, Concepcion, Chile, 2000, Cert., Specialization in pediatric dentistry, Concepcion, Chile, 2002; Cert. and M.S., orofacial pain, Kentucky, 2011
Erwin G. Turner, Associate Professor, D.M.D., Kentucky, 1974; Cert., Pediatric Dentistry, Kentucky, 1976

Adult Dentistry

Ted P. Raybould, Division Chief

John B. Burt, Associate Professor, D.M.D., Kentucky, 1996
Eric T. Demann, Associate Professor, D.M.D., Kentucky, 2000
Christian S. Fraley, Assistant Professor, D.M.D., Kentucky, 1996; G.P.R. Cert., Kentucky, 1997
Kathryn Haynes, Assistant Professor, D.M.D., Kentucky, 1984
Daria Stone, Assistant Professor, D.M.D., Kentucky, 1995
James R. Thompson, Assistant Professor (part-time), D.M.D., Kentucky, 1978

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Oral Pathology

Douglas D. Damm, Division Chief

Douglas D. Damm, Professor, D.D.S., Louisiana State, 1977; Cert. Oral Pathology, Emory, 1979
Craig B. Fowler, Associate Professor, D.D.S., Baylor, 1976; Cert. Oral Pathology, Emory University, 1985
Dean K. White, Professor (part-time), D.D.S., Missouri, 1970; M.S.D., Indiana, 1972

Orofacial Pain

Reny de Leeuw, Division Chief

Charles R. Carlson, *Associate Professor, Ph.D., Vanderbilt, 1983
Reny de Leeuw, Professor, D.M.D., State Univ Groningen, 1988; Ph.D., State Univ Groningen, 1994
John E. Lindroth, Associate Professor, D.D.S., West Virginia, 1977; Fellowship, Orofacial Pain, Kentucky, 1992
Jeffrey P. Okeson, Professor, D.M.D., Kentucky, 1972

Orthodontics

Sarandeep Huja, Division Chief

Edgar L. Berre, Jr., Assistant Professor (part-time), D.D.S., Ohio State Univ., 1970; Cert. Orthodontics, Univ. of Pittsburgh, 1973
Melvin W. Dean, Assistant Professor (part-time), D.M.D., Kentucky, 1977, Cert. Orthodontics, Kentucky, 1979
James K. Hartsfiled, Jr., Professor, D.M.D., South Carolina, 1981; M.S., Indiana, 1983; M.Sc., Harvard, 1987; Ph.D., South Florida, 1993
Bruce S. Haskell, Professor (part-time), D.M.D., Univ. of Pittsburgh, 1973; Cert. Orthodontics, Univ. of Rochester, 1975; Ph.D. Physical Anthropology, Univ. of Pittsburgh, 1978
G. Thomas Kluemper, Associate Professor, D.M.D., Kentucky, 1983; M.S., Orthodontics, Michigan, 1991
Judson M. Knight, Professor (part-time), D.M.D., Kentucky, 1967; Cert. Orthodontics, Kentucky, 1972
Lorri Morford, Assistant Professor, Ph.D., Kentucky, 1995
Liliana Otero, Assistant Professor (visiting), Ph.D., Javeriana Univ., Columbia SA, 2008
James Thacker, Assistant Professor (part-time), D.D.S., Case Western, 1982; Cert. Orthodontics, Boston, 1984
J. Philip Wahle, Assistant Professor (part-time), D.M.D., Kentucky, 1990; M.S., Kentucky, 1993

Public Health Dentistry

Robert E. Kovarik, Division Chief

Joanna A. Aalboe, Assistant Professor, M.S., Eastern Kentucky, 2009
Sharlee M. Burch, Assistant Professor (part-time), M.P.H., Western Kentucky, 2000; Ed.S., Virginia, 2011; Ed.D., Virginia, 2013
Wesley Coffman, D.M.D., Assistant Professor (part-time), D.M.D., Kentucky, 1978
William E. Collins, Assistant Professor (part-time), D.M.D., Louisville, 1991
L. Jackson Brown, Assistant Professor (part-time), D.D.S., St. Louis, 1968; M.S., Missouri, 1975; Ph.D., Missouri, 1985
Kelly J. Dingrando, Assistant Professor, D.M.D., Kentucky, 2005
David L. Graham, Assistant Professor, D.M.D., Louisville, 1971
Laura D. Hancock Jones, Assistant Professor, D.M.D., Louisville, 2003
Robert G. Henry, Associate Professor (part-time), D.M.D., Kentucky, 1981
Alan A. Kaplan, **Associate Professor, Ph.D., Kentucky, 1975
Robert E. Kovarik, Associate Professor, D.M.D., Kentucky, 1982; M.S., Georgia, 1991
M. Raynor Mullins, Associate Professor (part-time), D.M.D., Kentucky, 1968; M.P.H., North Carolina, 1970
Pam Stein, Associate Professor, D.M.D., Kentucky, 1990; M.S., Kentucky, 2009
Jenny L. Stigers, Associate Professor (part-time), D.M.D., Kentucky, 1984; G.P.R. Cert., Kentucky, 1986
Keith White, Assistant Professor, D.M.D., Kentucky, 1986
*Joint Appointment
**Adjunct Series
CDE Community Dentistry

CDE 814 PATIENTS, DENTISTS AND SOCIETY I. (1)
This course aims to orient the student to the place health and health professions play in modern cultures. Recognition of their own social assumptions and values and those of persons of different backgrounds is encouraged. Understanding, predicting, and changing dental patient behavior from a social standpoint is emphasized. (Same as BSC 814.)

CDE 815 FUNDAMENTALS OF DENTAL PUBLIC HEALTH. (2)
Fundamentals of Dental Public Health is a first-year course designed to introduce student dentists to the dental specialty of Dental Public Health, to dental epidemiological concepts, terminology, and methods used in population-based health care. Community oral health problems in Kentucky and the United States will be reviewed. Emphasis will be placed on public health research, programming, and outcome evaluation strategies related to oral disease in populations. Lecture, 28 hours; laboratory, 3 hours.

CDS 819 SPECIAL TOPICS IN DENTISTRY. (1)
The purpose of this first-year course is to present current information on a wide variety of topics ranging from interprofessional collaborative care, culture and society, computer resources, sexual harassment awareness, minority health issues, gender and age as factors in health care, and alcohol and substance abuse, evidence-based practice and decision-making along with other subjects of relevance to students enrolled in the dental curriculum. In some cases, the course content applies directly to didactic and clinical courses in the curriculum. At other times, the material is intended to help students increase their success in the curriculum and become better caregivers. Prereq: Must have 1st-year standing in the College of Dentistry, Otherwise, special permission of the course director is required.

CDE 824 COMMUNICATION IN THE DENTAL HEALTH CARE SETTING. (1)
This course aims to improve the student's ability to communicate with patients and the public in an empathetic and professional manner. Methods of obtaining necessary health information from all types of patients are taught. Prereq: Second year standing in the College of Dentistry. (Same as BSC 824.)

CDE 830 ADVANCED CONCEPTS IN DENTAL PUBLIC HEALTH. (2)
The American Dental Association’s Principles of Ethics and Code of Professional Conduct state that the dentist has a “primary duty of service to the public”. The Dental Public Health Curriculum is designed to prepare students to assume this obligation. The student will acquire a basic understanding of the scientific method through course work in epidemiology, research design, and evaluation of scientific literature. This basis of knowledge will provide the basis for the planning and evaluation of community based preventive dental programs. The student will understand the dental delivery system and the variety of financing mechanisms that are available to meet the dental needs of specific population groups. To provide a framework for the dental
student’s professional development, the instructional content in dental public health will be coordinated with CDE 841 (Community Based Dental Education), helping the student to prepare for the extramural learning experience. Lecture, 24 hours. Prereq: Admission to the College of Dentistry or consent of course director.

CDE 840 ADVANCED COURSE ON THE TREATMENT OF SPECIAL PATIENTS. (Elective) (1)
In this course, dental students participate in preclinical seminars and dental treatment of mentally, medically and physically handicapped patients. Several phases of dental treatment of the special patient, such as sedation and general anesthesia, pharmacological evaluation and preventive dentistry, are covered. The course is individually designed based on the student’s interest in treating compromised patients. Note: Scheduling for this course will take place outside of regularly scheduled clinic/class time. Enrollment minimum is one and maximum enrollment is four. Prereq: Fourth-year standing, consent of Course Director, Academic Performance Committee (APC), and Team Leader.

CDE 841 DENTAL PRACTICE FIELD EXPERIENCE. (6-10)
Students are provided a full-time, off-campus assignment to a dental practice environment for a period of 6-10 weeks. Students spend an average of 32 hours each week participating in practice management and patient treatment activities under the supervision of a dentist. Approximately eight hours a week are spent in career plan development and in study of the community or region, particularly its health care delivery system and the role of dentistry in that system. Prereq: CDE 830.

CDE 844 DENTAL PRACTICE MANAGEMENT II. (4)
This course is primarily designed to give the student dentists, prior to graduation, practical, useful knowledge on establishing and maintaining a private dental practice. The course will be presented in an active learning format. Course sessions and activities will also include special sessions designed to introduce students to the current environment of dental practice, to organized dentistry in Kentucky, to the College's Alumni Association and to new developments and continuing education in the dental profession. Lecture 69 hours. Prereq: CDE 830 or consent of course director.

CDE 850 EXTRAMURAL EXPERIENCES FOR STUDENT DENTISTS. (Elective) (1-6)
This course is designed to provide second and/or third-year student dentists an experiential learning experience in a research program, clinical program, public health program and/or institutional dental program. Career planning and service-learning are emphasized and coordinated with placement in a community-based site. Fourth year students may also participate in elective experiences with the approval of the Academic Performance Committee (APC). Students learn by active participation in patient care and/or research, by observation and by discussion with mentors. Discussions and interviews with patients and dental residents and staff are also encouraged. This course provides an opportunity for selected students, based on their own career goals, to participate in short-term elective dental educational experience external to student dentists’ clinics. While the sites vary greatly, most experiences include some patient care experiences (observation, assisting, and direct participation in patient care under the direct supervision of an approved mentor). Extramural experiences are customized for each student
dentist. If completed as an elective in year three of the curriculum this does not satisfy the year four selective requirement. Prereq: Getting a passing score on the National Boards.

CDE 855 PUBLIC HEALTH DENTISTRY ELECTIVE. (1)
This course allows implementation of oral health promotion programs designed in CDE 830 in community settings. Prereq: Must be fourth year dental student. (Not Offered in Academic Year 2013-2014.)

CDE 883 COMMUNITY-BASED SERVICE ELECTIVE. (1)
This Community-Based Service elective is designed to give students greater opportunities to provide dental services to diverse, underserved populations. The goals of this course are to further develop a service ethic in students, to add to the spectrum of clinical skills of students, and to address the needs of populations who do not have access to dental care. The majority of the time requirements for this course will be rotations to community clinics where students will work under the supervision of a College of Dentistry faculty providing dental services. Individual contracts will be developed with participating students to determine credit hours (32-64 clinical contact hours = 1 credit hour). In addition, there will be 2, one-hour seminars to discuss and debrief on the experiences of participating students. Scheduling of this class will be outside regularly scheduled clinic/class time. Prerequisites: Completion of Third Year Courses/or Academic Performance Committee Special Approval. Requirement: Submission of letter of intent to participate.

CDE 884 INTERNATIONAL INTERPROFESSIONAL SERVICE LEARNING ELECTIVE. (1-3)
This community-based service learning elective is designed to afford students greater opportunities to provide a broad spectrum of dental educational, clinical and public health services to diverse, underserved populations in an international setting. The majority of the time requirements for this course will be in a foreign country at designated community sites potentially working with other health care professionals. Activities will include but are not limited to assessing both community and patient needs and providing services based on the needs assessment and community goals. Students will work with University of Kentucky approved organizations and under the direct supervision of a College of Dentistry faculty while in country. Prereq: Admission to College of Dentistry. (Not Offered in Academic Year 2013-2014.)

CDS  Conjoint Dental Science

CDS 611 CHILD GROWTH AND DEVELOPMENT PART I. (2)
This is a seminar course on nature and physiologic control of physical growth, for graduate students in dentistry. Prereq: Admission to a graduate program of the College of Dentistry; D.D.S. or D.M.D. degree.

CDS 612 CHILD GROWTH AND DEVELOPMENT PART II. (2)
This is a seminar course for graduate students in dentistry covering emotional and intellectual growth of children, and diseases and congenital anomalies of children. Prereq: Admission to graduate program of the College of Dentistry; D.D.S. or D.M.D. degree.
CDS 613 CONTEMPORARY LEADERSHIP IN DENTISTRY. (1)
The purpose of the course is to explore the current leadership dilemma in the health professions (specifically dentistry) and to prompt extension of the role of oral health professionals to serve as leaders who engage a richer “public good” agenda as part of their role as “doctor/teacher.” Service learning opportunities will be integral components of the course. The course will concentrate on important issues such as leadership development and theories of leadership; team building; personality preferences and leadership; peer assessment; transformational and transactional leadership; mentoring; personal leadership; stress management; leading change; negotiation; and giving and receiving feedback. Lecture, 16 hours.

CDS 631 DIAGNOSIS AND MANAGEMENT OF TEMPOROMANDIBULAR DISORDERS AND OROFACIAL PAIN. (1)
This course provides information regarding the normal anatomy and function of the masticatory system and then highlights some of the common disorders related to dysfunction of this system. Emphasis is placed on temporomandibular disorders and how they are identified and management in the clinical practice. Other disorders associated with orofacial pain complaints will be discussed so that students are able to identify these conditions and successfully manage them or refer the patient to the appropriate health care provider. Prereq: Admission to dental graduate program; D.D.S. or D.M.D. degree.

CDS 660 RESEARCH DESIGN, METHODS AND DISSEMINATION. (2)
This lecture/seminar course is designed to provide students with an overview of the basic principles of study design and protocol development, with a focus on clinical and translations research. It also is designed to expose students to the interplay between patient care and clinical/translational research and to provide the students with tools that will assist them in dissemination of their research findings. Prereq: Admission to dental graduate program.

CDS 670 ADVANCES IN ORAL AND MAXILLOFACIAL PATHOLOGY. (1)
This course consists of 16 hours of lecture on the major disease topics in Oral and Maxillofacial Pathology including oral mucosal, salivary gland and bone pathology. Current classifications of these major categories will be presented and selected topics of current importance will be discussed. Prereq: Admission to dental graduate program.

CDS 680 CLINICAL MEDICINE FOR POSTGRADUATE DENTAL STUDENTS. (2)
This course is designed to provide graduate students and dental residents with an advanced understanding of how various medical disorders and medical therapies can affect oral health and the delivery of dental care. Prereq: Admission to dental graduate program.

CDS 748 MASTER'S THESIS RESEARCH. (1)
Half-time to full-time work on thesis. May be repeated to a maximum of six semesters. Prereq: All course work toward the degree must be completed.

CDS 768 RESIDENCE CREDIT FOR THE MASTER'S DEGREE. (1-6)
May be repeated to a maximum of 12 hours.
CDS 812 NORMAL HUMAN GROWTH AND DEVELOPMENT. (1)
This is a lecture course which introduces basic concepts of normal human growth and development from birth through adolescence. Lectures emphasize the time-dependent changes that normally occur during physical and psychological maturation. A special emphasis is directed toward basic knowledge and understanding of craniofacial growth and development of the teeth and occlusion. Lecture, 22 hours. Prereq: Admission to the College of Dentistry or consent of course director.

CDS 813 MANAGEMENT I: INTRO TO MANAGEMENT FOR THE DENTIST. (2)
CDS 813 is the first in a series of conjoint courses to improve the management of patients by student dentists. The course is co-directed by the patient care Team Leaders. Special didactic and clinical activities are included to provide the student with an introduction to clinical protocol and to the fundamentals of patient management. The course spans both semesters of the academic year, and includes all clinical activities and interactions with Team Leaders. Lecture, 3 hours; laboratory, 69; clinic, 6 hours. Prereq: Admission to the College of Dentistry.

CDS 815 INTRODUCTION TO CLINICAL DENTISTRY. (3)
This survey course presents an introduction to the dental field of operation (operatory), basic assisting procedures, preventive dentistry, infection control, application of sealants and oral isolation techniques. It is designed to prepare students to function in dental environments, safely and efficiently and to prepare them for the school-based sealant. Lecture, 21 hours; laboratory, 20 hours; clinic, 16 hours. Prereq: Admission to the College of Dentistry.

CDS 818 THE PROFESSION OF DENTISTRY I. (1)
This course is an introduction to life in the profession of dentistry. The course will explore normal everyday morality, and consider whether a case can be made for an extraordinary morality or ethic for practitioners. The course will conclude with a brief review of the history of dentistry to enable the student to place the profession of dentistry in cultural and historical perspective. Lecture, 16 hours. Prereq: Admission to the College of Dentistry.

CDS 821 LOCAL ANESTHESIA. (1)
The action and dosage of local anesthetic agents used in dentistry are taught as are the proper injection techniques. The technique of venipuncture and administration of intravenous drugs are also included. Patient evaluation and emergency techniques for cardiac and respiratory resuscitation are reviewed. Lecture, 15 hours; laboratory, 6 hours. ANA 534.

CDS 822 GERONTOLOGY/GERIATRIC DENTISTRY. (1)
This course is designed to help students gain an appreciation for the significant opportunities as well as challenges the aging population will bring to their oral health practice. This course will provide students basic knowledge and information in gerontology/geriatric dentistry. Lecture, 17 hours. May be repeated to a maximum of two credits. Prereq: Admission to the College of Dentistry or discretion of course director. (Same as GRN 720.)

CDS 823 MANAGEMENT II: INTRODUCTION TO CLINICAL PATIENT MANAGEMENT. (1)
CDS 823 is the second in a series of conjoint courses designed to improve the management of patients by student dentists. The course is directed by the patient care Team Leaders with other faculty. Special didactic and clinical activities are included to improve and maintain the students’ ability to manage patients safely and efficiently. One of the primary goals of this course is to improve students' ability to interact with patients in an empathetic and professional manner. The course spans both semesters of the academic year and includes all clinical activities and interactions with Team Leaders. Instruction leading to recertification in cardiopulmonary resuscitation is also included. Prereq: CDS 821 or consent of course director.

CDS 824 INTRODUCTION TO ORAL DIAGNOSIS AND TREATMENT PLANNING. (2) This course presents the rationale for the development of the University of Kentucky College of Dentistry Preliminary, Phase I and Phase II treatment plans and a method of critically evaluating treatment results. Basic UKCD clinical protocol is presented and discussed. Lecture, 22 hours; laboratory, 16 hours. Prereq: CDS 815 or consent of course director.

CDS 828 PROFESSION OF DENTISTRY II. (1) This course focuses on ethical practice in clinical dentistry. In the life of a health-care clinician circumstances arise daily which are ethical in nature. The dentist, and the patient, must respond to these circumstances in ways that result in the best for all parties concerned. This course will explore the duties assumed by dentists in becoming a provider of oral health care for patients. In doing so, the major question to be addressed is, “How do dentists interact with their patients for the good of both?” Lecture, 20 hours. Consent of the course director.

CDS 831 CONSCIOUS SEDATION. (1) This course is designed to teach the principles of nitrous oxide-oxygen inhalation sedation and intravenous sedation in dentistry. The management of emergencies associated with these techniques and an introduction to the principles of general anesthesia are also included. Lecture, 21 hours; clinic, four hours. Prereq: CDS 821.

CDS 833 MANAGEMENT III: CLINICAL PATIENT MANAGEMENT. (1) CDS 833 is the third in a series of conjoint courses to improve the management of patients by student dentists. The course is directed by the four patient care Team Leaders. Special didactic and clinical activities are included to improve and maintain the student dentist’s ability to manage patients and provide care. The course spans both semesters of the academic year and includes all clinical activities and interactions with Team Leaders. Instruction leading to recertification in cardiopulmonary resuscitation is also included. Lecture, 20 hours; laboratory, 12 hours. Prereq: CDS 823.

CDS 835 DENTAL IMPLANTOLOGY. (2) Dental implantology has become an integral part of dental services. This course contains information on patient centered criteria for implant services, surgical considerations, and prosthetically driven treatment results. The student will have the opportunity to familiarize him/herself with the components used in providing such treatment through a hands-on laboratory session. Lecture; 24 hours; laboratory, 12 hours. Prereq: Admission to College of Dentistry or discretion of course director. (Not Offered in Academic Year 2013-2014.)
**CDS 843 MANAGEMENT IV: CLINICAL PATIENT MANAGEMENT.** (1)
CDS 843 is the fourth in a series of conjoint courses to improve the management of patients by student dentists. The course is directed by the four patient care Team Leaders. Special didactic and clinical activities are also included to improve and maintain your ability to manage patients. The course spans both semesters of the academic year, including all clinical activities and interactions with Team Leaders. Instruction leading to recertification in cardiopulmonary resuscitation is also included. Lecture, 27 hours; laboratory, 12 hours; clinic, 6 hours. Prereq: CDS 833 or consent of course director.

**CDS 844 DRUG MISUSE, ABUSE AND DEPENDENCY: WHAT DENTISTS NEED TO KNOW.** (1)
This course is designed to provide new insights and understanding into prevention, recognition and treatment of patients with, and at risk for, drug misuse and abuse. The course enables dental students to understand addiction as primary, chronic and progressive disease and to demonstrate an understanding of the pharmacology, abuse potential, as well as the behavioral and physiological effects of the commonly abused drugs. Emphasis will be on increasing dental students’ skills and abilities to recognize the signs and symptoms of drug abuse; identify and manage patients at risk for drug problems; and become effective in providing successful care for drug dependent patients while minimizing their potential for relapse.

**CDS 846 DIAGNOSIS AND MANAGEMENT OF OROFACIAL PAIN.** (3)
This course will present information regarding the diagnosis and management of orofacial pain and temporomandibular disorders. The course will consist of lectures and one laboratory session. The information provided in this course will allow the student to understand the dentist's role in managing complex orofacial pain problems. The area of temporomandibular disorders will be emphasized since the dentist plays a major role in managing these pain disorders. Lecture, 45 hours; laboratory, 3 hours. Prereq: ANA 534, OSG 820, and RSD 822.

**CDS 860 SPECIAL TOPICS IN ORAL HEALTH.** (Elective) (1-3)
This course will engage students in a variety of activities including lectures, independent literature review and reading, community-based projects, and individual or small group discussions to address current topics of special interest or concern in oral health. Projects and discussion areas for students participating in an interdisciplinary colloquium will be developed in conjunction with other health care providers. May be repeated to a maximum of six credit hours. Prereq: Enrollment in the College of Dentistry; approval of the course director.

**CDS 865 FORENSIC ODONTOLOGY ELECTIVE.** (1)
Elective introductory course in forensic dentistry for fourth year dental students. Prereq: Must be a fourth year dental student.

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**END Endodontics**

**END 820 ANTERIOR ENDODONTICS.** (2)
This is a lecture-laboratory course which is designed to introduce the student to the diagnostic terminology of pulpal and periapical disease and the techniques of endodontics in anterior teeth.
Lecture, 10 hours; laboratory, 30 hours. Prereq: RSD 812 and RSD 814, or consent of course director.

END 822 POSTERIOR ENDODONTICS. (2)
This is a lecture-laboratory course which is designed to introduce the student to the diagnostic terminology of pulpal and periapical disease and the techniques of endodontic in posterior teeth. Lecture, 10 hours; laboratory, 30 hours; OSCE, 1 hour (competency/evaluation of preclinical concepts). Prereq: END 820 and RSD 824, or consent of course director.

END 830 ENDODONTICS II. (1)
This course concerns the diagnosis and treatment of endodontically related problems. Traumatic injuries, controversies in instrumentation and filling procedures, periodontic-endodontic consideration, surgical endodontics and other selected topics are discussed in depth. Lecture, 20 hours. Prereq: END 820 AND END 822.

END 831 CLINICAL ENDODONTICS II. (1)
In this course students will treat routine endodontic cases. Clinic, 35 hours. Prereq: END 820 and END 822.

END 841 CLINICAL ENDODONTICS III. (1)
This course offers dental students further experience in providing endodontic treatment. Clinic, 40 hours. Prereq: END 831 or consent of instructor.

END 880 CLINICAL ENDODONTICS SEMINAR. (Elective) (1)
This course is designed to give a more in-depth hands-on view of some of the newest concepts in endodontics. Seminars will be presented including new concepts of instrumentation and root canal obturation. Demonstrations and hands on class participation will supplement the seminars. Note: scheduling for this course will take place outside of regularly scheduled class/clinic time. Prereq: END 830, END 831, ranked in the upper half of the class, and consent of instructor.

OBI Oral Biology

OBI 650 ORAL BIOLOGY FOR POSTGRADUATE DENTAL STUDENTS I. (2)
This seminar course provides a review of selected biological science topics. Emphasis is placed on the use of current literature for an in-depth study of those aspects of the subject particularly relevant to dental practice. Lecture: 32 hours. Prereq: Admission to an advanced education program of the College of Dentistry or consent of instructor.

OBI 651 ORAL BIOLOGY FOR POSTGRADUATE DENTAL STUDENTS II. (2)
This course is a continuation of OBI 650. It is a seminar that uses the scientific literature to review selected biological science topics with emphasis on those especially relevant to dental practice. Lecture: 32 hours. Prereq: OBI 650 or consent of instructor.

OBI 812 DENTAL BIOCHEMISTRY. (6)
This is a comprehensive course in biochemistry designed to fulfill the specific needs of student dentists. Course content is generally as outlined in the American Association of Dental Schools
suggested curriculum guidelines for biochemistry. Part I acquaints students with the chemical
constituents of prokaryotic and eukaryotic cells; topics include the chemistry of lipids,
carbohydrates, proteins, vitamins and coenzymes, and the nature of enzyme action. Part II
integrates the chemical principles learned from Part I with concepts of cell dynamics, structure,
function, subcellular organization, and metabolism. Topics include intermediary metabolism,
bioenergetics, DNA replication, protein synthesis, and cellular regulatory and control
mechanisms. Course content, where possible, is related to current concepts concerning the
etiology of oral diseases, their treatment, and prevention to assist student dentists in attaining
institutional goals and objectives for clinical competency. Prereq: Admission to the College of
Dentistry. (Same as BCH 812).

OBI 814 DENTAL PHYSIOLOGY. (5)
This course provides in-depth instruction on the physiological mechanisms of body function
from the single cell to the organism level. The course is team taught by medical scientists and
clinicians. Teaching methodologies include didactic and Socratic lectures, small group
discussions, demonstrations and live model and computer simulated laboratories. Lecture, 80
hours. Prereq: Admission to the Dental School.

OBI 815 DENTAL GROSS ANATOMY AND EMBRYOLOGY. (6)
Study of gross and developmental anatomy with particular emphasis on functional anatomy of the
head and neck. Lecture/laboratory course, with dissection being an essential component of the
laboratory portion. Hours: 1:1 ratio. Prereq: Admission to the College of Dentistry or some
background in biology and consent of instructor. (Same as ANA 534.)

OBI 817 DENTAL NEUROANATOMY. (2)
Study of human dental neuroanatomy with emphasis on functional neuroanatomy of central nervous
system, especially related to cranial nerves 5, 7, 9 and 10, pain, and long tracts. Lecture 1 hour a
week. 25 hours. Prereq: Admission to the College of Dentistry, or some background in biology with
permission from instructor. (Same as ANA 538.)

OBI 828 IMMUNITY, INFECTION AND DISEASE FOR THE STUDENT DENTIST. (6)
The course provides basic concepts of immunology and bacterial, viral, fungal and protozoal
biology. It focuses on mechanisms of human immunity, immunologically mediated disease, and
pathogenesis in infectious disease. The material covered includes relevant pathology associated
with both immunologic and infectious diseases, and a summary of infectious diseases from a
clinical perspective. Lecture: 6 hours per week. Prereq: Enrolled in the DMD curriculum.

OBI 836 DENTAL PHARMACOLOGY. (3)
This course will provide students of dentistry with a fundamental understanding of the
pharmacology and the therapeutic uses of drugs commonly used in their practice or by their
patients. This course will reinforce topics discussed in CDS 821 (Local Anesthesia); in addition,
the course will integrate with ODM 830 (Management of Medically Compromised Patient) and
provide focused preparation for CDS 831 (Conscious Sedation). Lecture, 49 hours. Prereq: OBI
812 (Dental Biochemistry), OBI 814 (Dental Physiology), and CDS 821 (Local Anesthesia)
Prereq: OBI 812 and OBI 814. (Same as PHA 822.)
ODM Oral Diagnosis and Oral Medicine

ODM 810 BASIC PRINCIPLES IN ORAL AND MAXILLOFACIAL RADIOLOGY. (2)
This course presents the basic principles of oral and maxillofacial radiology, including radiation biology, radiation physics and imaging principles, radiation protection and safety, and radiology techniques. Lecture, 20 hours; seminar, 4.5 hours. Prereq: Admission to the College of Dentistry.

ODM 820 ORAL AND MAXILLOFACIAL RADIOLOGY AND DIAGNOSTIC IMAGING. (2)
This course presents the principles of radiographic anatomy, extra-oral projections (including panoramic film and lateral skull film), radiology of caries and periodontal disease, digital radiology, advanced imaging techniques (including CBCT), and the process of radiographic interpretation. Lecture, 24 hours; seminar; 4.5 hours; practicum, 24 hours (three (3) days of rotation in radiology). Prereq: ODM 810.

ODM 821 CLINICAL ORAL DIAGNOSIS I. (1)
This course consists of two components: 1) examination, diagnosis, and treatment planning for patients assigned to dental students in general clinics; and 2) an emergency clinic assignment in which the students will diagnose and treat patients with acute oral problems. Clinic, 40 hours. Prereq: CDS 815; Coreq: CDS 824.

ODM 830 MANAGEMENT OF THE MEDICALLY COMPROMISED DENTAL PATIENT. (3)
This course will provide students with the knowledge required to manage medically compromised patients in the outpatient dental office. Basic clinic pathological information about commonly occurring medical disorders, the impact medications that these patients take have, the special problems they have, and their effects on dental health care will be presented. Critical thinking is encouraged so that the students can use their diagnostic skills in the appropriate manner to identify and manage patients with systemic disorders. Lecture, 43 hours; laboratory, 4 hours. Prereq: Approval of dean and/or his designee for academic affairs and the course director.

ODM 831 CLINICAL ORAL DIAGNOSIS II. (1)
This course is a continuation of ODM 821 and also consists of two components: 1) examination, diagnosis and treatment planning for patients assigned to dental students in general clinics; and 2) emergency clinic assignments in which the students will diagnose and treat patients with acute oral problems. Clinic, 77 hours. Prereq: ODM 821; coreq: ODM 830.

ODM 841 CLINICAL ORAL DIAGNOSIS III. (1)
This course is a continuation of ODM 831 and also consists of two components: (1) examination, diagnosis and treatment planning for patients assigned to dental students in general clinics; and (2) emergency clinic assignments in which the students will diagnose and treat patients with acute oral problems. Clinic, 114 hours. Prereq: ODM 830 and ODM 831.
OFP 634 CURRENT CONCEPTS IN TEMPOROMANDIBULAR DISORDERS. (3)
This course provides the student with information on the anatomy, physiology and function of the masticatory system. The etiology, diagnosis and treatment of temporomandibular disorders will be emphasized. Lecture, 41 hours; laboratory, 15 hours per semester. Prereq: Acceptance into the College of Dentistry M.S. Program and/or consent of the College of Dentistry's Director of Graduate Studies and the course director.

OFP 636 CLINICAL MANAGEMENT OF TEMPOROMANDIBULAR DISORDERS. (3)
This course provides the student with clinical experience in the diagnosis and management of temporomandibular disorders. The student will provide treatment for patients referred to the Orofacial Pain Center under the supervision of the course director. Clinic, 144 hours. Prereq: Acceptance into the College of Dentistry M.S. Program and/or consent of the College's Director of Graduate Studies and the course director.

OFP 700 OROFACIAL PAIN TREATMENT PLANNING SEMINAR. (2)
This course will provide the student with experience in diagnosing and treatment planning various orofacial pain patients. Lecture: 32 hours per year or 16 hours per semester. Prereq: Acceptance into the College of Dentistry M.S. Program and/or consent of the College's Director of Graduate Studies and the course director.

OFP 734 CURRENT CONCEPTS IN OROFACIAL PAIN. (3)
This course provides the students with information on non-masticatory orofacial pain problems. The etiology and differential diagnosis of head and neck pain will be emphasized. The student will learn the dentist's role in the management and/or referral of complex facial pain problems. Prereq: OFP 634 and OFP 636.

OFP 736 CLINICAL MANAGEMENT OF OROFACIAL PAIN. (3)
This course provides the student with clinical experience in the diagnosis and management of complex orofacial pain problems. The student will provide treatment for patients referred to the Orofacial Pain Center under the supervision of the course director. Clinic, 144 hours. Prereq: OFP 634 and OFP 636.

OFP 790 RESEARCH IN OROFACIAL PAIN. (1-6)
May be repeated for a total of 12 hours. Prereq: Admission to the Orofacial Pain graduate program and consent of the Director of Graduate Studies.

OHP Oral Health Practice

OHP 850 INDEPENDENT WORK IN ORAL HEALTH PRACTICE. (Elective) (1-3)
An elective course offered by the department of Oral Health Practice. Students may work on individual projects in one or more of the disciplines encompassed by this department under the direction of a faculty member. The work should involve independent laboratory or clinical research and include supporting literature searches. The end result should be either a table clinic presentation or a paper suitable for publication. The minimum number of hours to be spent on the
project and the means of evaluation will be decided before beginning the project. May be repeated to a maximum of 12 credits. Prereq: Specific course prerequisites and year in dental school will depend on the nature of the proposed project; consent of instructor.

**OHS  Oral Health Science**

OHS 850 INDEPENDENT WORK IN ORAL HEALTH SCIENCE.  (Elective)  (1-3)  
An elective course offered by the department of Oral Health Science. Students may work on individual projects in one or more of the disciplines encompassed by this department under the direction of a faculty member. The work should involve independent laboratory or clinical research and include supporting literature searches. The end result should be either a table clinic presentation or a paper suitable for publication. The minimum number of hours to be spent on the project and the means of evaluation will be decided before beginning the project. May be repeated to a maximum of 12 credits. Prereq: Specific course prerequisites and year in dental school will depend on the nature of the proposed project; consent of instructor.

**OPT  Oral Pathology**

OPT 650 GRADUATE ORAL PATHOLOGY I.  (2)  
This is a seminar course in advanced oral pathology in which students study the microscopic, radiographic, and clinical features and the management of diseases that affect oral and perioral tissues. A case study format is used to discuss both common and rare conditions that illustrate all major disease categories and to provide a framework for developing a systematic approach to disease diagnosis. Lecture: 36 hours. Prereq: Dental degree and enrollment in a College of Dentistry postgraduate program, or consent of instructor.

OPT 651 GRADUATE ORAL PATHOLOGY II.  (2)  
This course is a continuation of OPT 650. It is a seminar in advanced oral pathology in which students study the microscopic, radiographic, and clinical features and the management of diseases that affect oral and perioral tissues. A case study format is used to discuss both common and rare conditions that illustrate all major disease categories and to provide a framework for developing a systematic approach to disease diagnosis. Lecture: 36 hours. Prereq: OPT 650 or consent of instructor.

OPT 820 GENERAL PATHOLOGY FOR STUDENT DENTISTS.  (3)  
This basic course covers general pathology, which will prepare the student dentist to concentrate on the specialized area of oral pathology. Emphasis is placed on cell damage, inflammation and repair, neoplasia and hemostasis, as well as the in-depth study of selected systemic diseases that may affect dental patient management. Lecture, 54 hours. Prereq: Enrollment in the College of Dentistry and second year class standing, ANA 530, ANA 538, or consent of course director.

OPT 830 ORAL PATHOLOGY I.  (3)  
This is a comprehensive lecture course on oral and paraoral diseases. The course deals mainly with the clinical aspects of oral disease, with emphasis on clinical and/or radiographic appearance, etiology, management and prognosis. Lecture, 41 hours and 4 one-hour examinations. Prereq: OPT 820.
OPT 832 ORAL PATHOLOGY II.  (1)
This course teaches the dental student an effective approach to patients with oral lesions. It will stress the following: development of a reasonable differential diagnosis list, procedures to be used in obtaining a definitive diagnosis, management of the patient after a diagnosis has been made, and treatment if indicated. Attendance at one lecture and one session of Head and Neck Oncology Clinic is included in the course. Seminar, 26 hours; clinic, three hours. Prereq: OPT 830.

OPT 840 ORAL PATHOLOGY III.  (1)
This is an advanced course in oral pathology in which various diseases and abnormal conditions of the head, neck and oral cavity are presented. The pertinent information on several selected cases will be on display for a week each and then followed by a lecture/discussion period for the development of a differential diagnosis, establishment of a definitive diagnosis, and discussion of treatment and prognosis. Attendance at one lecture and one session of Head and Neck Oncology Clinic is included in the course. Lecture, 21 hours; clinic, three hours. Prereq: OPT 832.

OPT 850 ORAL PATHOLOGY ELECTIVE.  (1-10)
Elective courses offered by the Department of Oral Pathology provide opportunities for further study of or experience in various aspects of oral pathology. Topics may include principles of clinical and histologic diagnosis, the management of patients with oral disease, and discussions of specific oral diseases. Hours variable, ranging from a minimum of 16 hours lecture/discussion to a maximum of 10 weeks clinical experience. May be repeated to a maximum of 10 credits. Prereq: The minimum year in dental school and any course prerequisites will be announced for each topic.

ORT  Orthodontics

ORT 610 CRANIO-FACIAL FORM.  (2)
This is a two credit-hour seminar course that introduces students to the basic concepts and principles of cephalometrics in orthodontic diagnosis and treatment. The course reviews historical literature as well as contemporary articles. Prereq: Admission to graduate dental programs; D.D.S. or D.M.D. degree.

ORT 620 ORAL-PHARYNGEAL FUNCTION, PART I.  (2)
Basic and applied physiology for graduate students in dentistry. Class, two and one-half hours. Prereq: Admission to a graduate program of the College of Dentistry; D.D.S. or D.M.D. degree.

ORT 621 ORAL-PHARYNGEAL FUNCTION, PART II.  (2)
A continuation of ORT 620, emphasizing speech physiology and language development. Lecture, two and one-half hours. Prereq: Admission to a graduate program of the College of Dentistry; D.D.S. or D.M.D. degree.

ORT 660 ORTHODONTIC DIAGNOSIS.  (2)
This is a two credit-hour seminar course offered at the graduate level within the specialty program in orthodontics. The course provides in-depth information concerning methods and
rationale for gathering a comprehensive database for orthodontic patients. Analysis and interpretation of the database is approached by using the orthogonal analysis technique. The process of developing a treatment plan from the database will be thoroughly explored. Prereq: Admission to a postdoctoral program of the College of Dentistry.

ORT 661 ORTHODONTIC SEMINAR-CLINIC. (3)
Seminar, laboratory and clinical instruction in orthodontic theory and practice. Lecture, three hours; laboratory, 15 hours. May be repeated to a maximum of 12 credits. Prereq: ORT 660.

ORT 662 ORTHODONTIC TECHNIQUE. (2)
This is a two credit-hour graduate level course designed to introduce or reacquaint the student with some of the most commonly used techniques in orthodontic practice. It is closely related to the diagnosis and treatment planning course and to the course on mechanics. Prereq: Admission to a postdoctoral program of the College of Dentistry.

ORT 664 BIOMECHANICS. (2)
This is a two-credit-hour seminar course. The purpose of the course is to introduce the foundational concepts for understanding both the laws of mechanics and the typical tissue responses to force systems used in orthodontic appliances. Students will learn theory-guided approaches to planning safe, predictable and efficient orthodontic treatment. Students will be expected to read and critique background material in assigned textbooks and journal articles for seminar discussions. This course will supplement subject matter covered in the typodont course, ORT 662. Prereq: Admission to a postdoctoral program in the College of Dentistry.

ORT 710 MANAGEMENT OF COMPLEX OROFACIAL DEFORMITIES. (1)
Seminar discussions of techniques in orthodontic problem solving and planning treatment for patients with orofacial deformities refractory to either orthodontic therapy or oral surgery but which are resolvable by utilizing combinations of orthodontic and oral surgical therapies. Lecture, one hour per week; laboratory, one hour per week. Prereq: ORT 660 or permission of instructor.

ORT 770 ORTHODONTIC SEMINAR. (1)
Seminar in orthodontic theory and practice for advanced graduate and postdoctoral students in orthodontics. May be repeated to a maximum of six credits. Lecture, three hours. Prereq: Admission to the Orthodontics Graduate Program and consent of course director.

ORT 790 RESEARCH IN ORTHODONTICS. (1-5)
Research in orthodontics. May be repeated to a maximum of five credits. Prereq: Admission to the orthodontic graduate program of the College of Dentistry; special permission.

ORT 822 ORTHODONTICS. (3)
This is a lecture and laboratory course in which the knowledge and skills needed to conduct a thorough orthodontic diagnosis and to plan orthodontic therapy are developed. In addition, the principles of orthodontic mechanotherapy are introduced and the role the general dentist plays in maintaining healthy occlusion is defined. Early lectures are oriented to data base collection, analysis and interpretation. The course provides opportunity to develop skills in analysis of facial
proportions, analysis of diagnostic dental casts, cephalometric tracings, formulating a prioritized problem list, and development of long term and short term treatment goals. As the semester progresses, focus shifts to give the student a basic understanding of the skills required to fabricate fixed and removable appliances that are typically indicated for limited tooth movement and retention in interceptive orthodontics and adjunctive orthodontic treatment in a general practice setting. The role of the general dentist in the management of their patients' orthodontic needs will be delineated. Special emphasis will be placed on coordination of treatment between the specialist and general practitioner and maintenance of occlusion over the life span of the patient. The role of orthodontic treatment in a multidisciplinary approach will be discussed. Finally, new technology emerging on the horizon in clinical orthodontics will be explored.

Lecture, 32 hours; laboratory, 3 hours; seminar, 4 hours. Prereq: Students must have second year standing in the College of Dentistry and have passed CDS 812. Otherwise, special permission of the course director is required.

ORT 841 CLINICAL ORTHODONTICS. (1)
This clinical course requires the students to analyze and diagnose the present and developing occlusal disharmonies in their assigned patients and to provide therapy for those patients who need tooth movements judged to be within the scope of the general practice of dentistry. Clinic, 57 hours. Prereq: ORT 820 and consent of course director.

ORT 850 ADVANCED ORTHODONTIC DIAGNOSIS AND TREATMENT PLANNING. (Elective) (1)
This course is designed to increase proficiency in orthodontic diagnosis and treatment planning. A strong emphasis is placed on developing analytical skills in order to organize a reasonably comprehensive and accurate database, which is developed from analysis of hand-held study cases, lateral head films, and facial photographs of patients assigned for graduation credit in ORT 841. From a database summary, the student will learn to formulate a prioritized problem list and to assess possible treatment options for each problem area. Another goal is to provide an overview of mechanical systems to move teeth, including the biologic responses to force applied to teeth and bones. Student will also gain experience in planning anchorage through the use of force diagrams.

OSG Oral and Maxillofacial Surgery

OSG 651 ANATOMICAL RELATIONSHIPS IN SURGERY. (1)
A seminar course for dental graduate students in areas other than surgery, emphasizing anatomical and surgical principles applicable to all dental specialties. Prereq: Admission to graduate or post-doctoral programs of College of Dentistry; D.D.S. or D.M.D. degree.

OSG 820 ORAL SURGERY I. (1)
The general objectives of this course are to teach the student the significance of a history and physical examination, how to identify and use basic oral surgery instruments, how to perform basic oral surgical techniques including the removal of teeth and preparation of the mouth for dentures. Lecture, 20 hours. Prereq: CDS 821 or consent of course director.
OSG 830 ORAL SURGERY II. (1)
This course is an overview of the specialty of oral surgery. The student is introduced to the surgical management of congenital and acquired abnormalities of the oral structures and associated parts. Management of odontogenic infection, cysts and tumors is presented, as well as the role of the dentist in the care of head and neck cancer patients. The diagnosis and management of facial fractures also are presented, particularly as they relate to the general practitioner. Lecture, 25 hours. Prereq: OSG 820 or consent of course director.

OSG 831 ORAL SURGERY ROTATION I. (1)
This course represents the two, one-week rotations in the Oral and Maxillofacial Surgery clinic during the third year where principles and concepts from OSG 820 and OSG 830 are used in the clinical setting. This course teaches the management of the ambulatory oral surgical patient. It includes patient evaluation, control of pain and anxiety, performance of minor oral surgical procedures, treatment of acute and chronic oral infections and of complications associated with oral surgery, and the use of the problem-oriented record. Students who received a passing grade in OSG 820 and who successfully complete the pretest may start OSG 831. The pretest will provide a review of the surgical principles taught in OSG 820 and are covered in the first twelve chapters of the textbook.

OSG 841 ORAL SURGERY ROTATION II. (1)
This course represents two, one-week rotations in the Oral and Maxillofacial Surgery clinic during the fourth year where principles and concepts from OSG 820, OSG 830 and OSG 831 are used in the clinical setting. Additional experience in performing basic oral surgical procedures as well as further understanding of the role of the oral and maxillofacial surgeon within the practice of dentistry are primary goals. This course will also serve to expand the student’s knowledge of hospital dentistry. Students are invited to attend hospital rounds, observe major surgical cases in the operating room and take in-house call (optional). Proper in-patient documentation and note writing will be emphasized for those interested in expanding their practice to include hospitalized patients or those requiring operating room based general anesthesia. Prereq: OSG 841 may be started by students who received a passing grade in OSG 831.

OSG 850 ORAL SURGERY ELECTIVE (1)
Oral Surgery provide opportunities for further study of or experience in various aspects of oral surgery. Topics may include hospitalized and ambulatory patient management, emergency care, operating room experience, pain and anxiety control, and surgical technique. Hours variable, ranging from a minimum of 16 hours lecture/discussion to a maximum of 10 weeks clinical experience. May be repeated to a maximum of 10 credits. Prereq: Minimum year in dental school and any course prerequisites will be announced for each topic. (Not Offered in Academic Year 2013-2014.)

PDO Pediatric Dentistry

PDO 610 PEDIATRIC DENTISTRY SEMINAR I. (2)
This seminar course is the first of a series of three such courses that discuss essential elements of clinical pediatric dentistry, with emphasis on the scientific evidence supporting contemporary practice. Topics for the seminars include: management of the child patient, prevention dentistry,
restorative dentistry, pulp therapy, management of the arch circumference, abnormal dental development and treatment of children with special care needs. Lecture, 32 hours. Prerequisite: Enrollment in the College of Dentistry’s Master of Science degree program.

PDO 620 PEDIATRIC DENTISTRY SEMINAR II. (2)
This course is a continuation of PDO 610, addressing the issues of the clinical practice of contemporary pediatric dentistry. Lecture, 32 hours. Prerequisite: PDO 610.

PDO 630 PEDIATRIC DENTISTRY SEMINAR III. (2)
This course is a continuation of PDO 610 and PDO 620, addressing the issues of contemporary practice in pediatric dentistry. Prerequisites: PDO 610 and PDO 620.

PDO 640 PEDIATRIC SEMINAR IV. (2)
This course reviews all the required and suggested readings in preparation for the comprehensive written section of the examination for certification by the American Board of Pediatric Dentistry. Lecture, 32 hours. Prerequisites: PDO 610, PDO 620, and PDO 630.

PDO 790 RESEARCH IN PEDIATRIC DENTISTRY. (1-3)
Participation in clinical, biomedical or biobehavioral research in pediatric dentistry. Research must be conducted independently, but with the supervision of a faculty mentor. Completed research is submitted as either a Master’s degree thesis or a manuscript for submission to an appropriate peer review journal, and must be defended before a faculty committee. Prereq: Enrollment in Pediatric Dentistry/College of Dentistry M.S. degree program.

PDO 822 PEDIATRIC DENTISTRY I. (2)
In this course in dentistry for children, emphasis will be placed on principles of oral surgical procedures, advanced restorative techniques, diagnosis and treatment of traumatic injuries, preventive dentistry and diagnosis and treatment of oral habits and cosmetic dentistry. Lecture, 26 hours; laboratory, 6 hours. Prereq: Second year standing in the College of Dentistry.

PDO 831 CLINICAL PEDIATRIC DENTISTRY I. (2)
This is an introductory clinical course instructing student dentists in oral health care for children. Clinic Hours: 75 Prereq: PDO 822 Coreq: PDO 834

PDO 834 PEDIATRIC DENTISTRY II. (2)
This course is designed to introduce basic modern concepts in dentistry for children. Emphasis is placed on principles of child behavior management and basic restorative dentistry techniques. Lecture: 32 hours. Prereq: 2nd year standing in the College Dentistry.

PDO 841 CLINICAL PEDIATRIC DENTISTRY II. (4)
This is an advanced clinical course instructing student dentists in oral health care for children. Clinic Hours: 75 Prereq: PDO 822, PDO 834, and PDO 831.
PDO 850 SPECIALIZED EXTERNSHIP IN PEDIATRIC DENTISTRY. (Elective) (1)
The externship will expose the student to the practice of post-doctoral pediatric dentistry clinical activities and seminars, including treatment of children without sedation, nitrous oxide sedation, pharmacological sedation and under general anesthesia. The students will be allowed to observe, assist and perform simple treatments as established by the faculty on call. When available the student will also participate in the craniofacial clinic and hospital consultations. Prereq: Pre-doctoral students at their last trimester of the 3rd year or later. Letter from Academic Performance Committee for special approval.

PER  Periodontics

PER 626 ADVANCED CONCEPTS IN GENERAL DENTISTRY. (1)
This course presents, by seminar, lecture or continuing education courses, advanced concepts in general dentistry that are essential to the clinical practice of periodontics. It includes advanced instruction in orthodontics, periodontal prosthesis, prosthodontics and oral surgery. May be repeated to a maximum of four credits. Prereq: Admission to a postdoctoral program of the College of Dentistry or consent of course director.

PER 661 MODERN CONCEPTS IN PERIODONTICS. (2)
A seminar course designed to present the present understanding of the etiology of periodontal disease and current techniques for treatment of periodontal problems. Prereq: Admission to graduate program of College of Dentistry; D.D.S. or D.M.D. degree.

PER 770 TREATMENT PLANNING SEMINAR. (2)
In this seminar course, graduate students present and discuss diagnosis, prognosis, ideal treatment plans and alternative treatment plans for patients with periodontal disease. Each student gives at least eight case presentations. May be repeated to a maximum of eight credits. Lecture, 40 hours. Prereq: Admission to the Periodontics postdoctoral program or consent of course director.

PER 772 PERIODONTAL BIOLOGY AND PATHOLOGY. (2)
Seminar discussions, review and evaluation of the literature covering periodontal anatomy, periodontal biology, the pathology of periodontal diseases and etiological factors in periodontal disease. The subject area will be covered in four semesters. May be repeated four times for a maximum of eight credits. Lecture, 40 hours. Prereq: Admission to the Periodontics postdoctoral program or consent of course director.

PER 774 PERIODONTICS SURGICAL SEMINAR. (1)
In this seminar course participants present, discuss and critique surgical procedures that have been accomplished in the clinic. Reading assignments from the literature augment the clinical discussions and students are encouraged to use the literature to justify their procedures. Cases are presented on a rotating basis. May be repeated to a maximum of four credits. Prereq: Admission to Periodontics postdoctoral program or consent of course director.
PER 776 PERIODONTAL THERAPY SEMINAR. (1)
This is an advanced series of seminars on the clinical aspects of periodontal therapy. During the
course, the students will learn about various modalities of periodontal therapy as presented in the
periodontal literature, e.g., mucogingival treatment, implants and curettage. May be repeated to a
maximum of two credits. Prereq: Admission to the Periodontics postdoctoral program or consent
of course director.

PER 790 RESEARCH IN PERIODONTICS. (1-3)
This course involves direct student participation in a research project. Projects and thesis are
approved by the course director and may be clinical, laboratory experimental or related to dental
education. Projects may include original or ongoing research within the Department of
Periodontics or other departments of the Medical Center. May be repeated to a maximum of six
credits. Prereq: Admission to the Periodontics postdoctoral program and consent of the
department involved.

PER 810 PERIODONTICS I. (1)
This course is an introduction to periodontology. Emphasis is on recognition of healthy gingival
characteristics and early disease progression. The student is also introduced to etiology,
epidemiology and immunology related to periodontal assessments, and plaque control measures.
Lecture, 23 hours; laboratory, nine hours. Prereq: CDS 815 or consent of instructor.

PER 820 PERIODONTICS II. (3)
This course presents the components of the first stages of periodontal therapy. Emphasis is on
diagnosis, prognosis, treatment planning and non-surgical treatment of the periodontally involved
patient. Lecture, 36 hours; laboratory, 24 hours. Prereq: PER 810 or consent of instructor.

PER 821 CLINICAL PERIODONTICS II. (2)
This is a course designed to provide the student with clinical experience so that he can obtain a
minimal competence in the applications of periodontal procedures. Therapeutic procedures
involving initial periodontal therapy will be performed by each student. Prereq: PER 811, or
consent of instructor.

PER 830 PERIODONTICS III. (2)
This is a surgically oriented course which presents information necessary for the diagnosis,
treatment planning, and treatment of surgical cases. The information gained is applied to
planning treatment for actual surgical cases. Lecture, 27 hours; laboratory, 3 hours. Prereq: PER 820,
or consent of course director.

PER 831 CLINICAL PERIODONTICS III. (2)
This is a clinical course which offers the student the opportunity to treat patients with more
advanced periodontal disease. Therapeutic procedures will be performed by each student as his patients' needs dictate. Prereq: PER 821; corequisite: PER 830; or consent of instructor.

PER 841 CLINICAL PERIODONTICS IV. (4)
This clinical course is a continuation of PER 831. The student receives further instruction and
experience in diagnosing, planning treatment and treating patients with periodontitis and
mucogingival problems. Prereq: PER 830 and PER 831, or consent of instructor.
PRO  PROSTHODONTICS

PRO 820 PRECLINICAL COMPLETE DENTURE PROSTHODONTICS (Lecture). (2)
This preclinical lecture course provides an introduction to basic concepts of diagnosis and treatment planning, fabrication, placement and maintenance of complete dentures, as well as the related biological and mechanical factors that must be incorporated for living tissue to be compatible with complete dentures. Lecture, 36 hours. Prereq: Advancement to second year standing or consent of course director. Coreq: PRO 822

PRO 821 CLINICAL COMPLETE DENTURE PROSTHODONTICS. (1)
The treatment of a patient with complete maxillary and mandibular denture needs is performed in the clinic by the student. The student will assist an upper level student in the examination of a complete denture and a removable partial denture recall patient. Coreq: PRO 820.

PRO 822 PRECLINICAL COMPLETE DENTURE PROSTHODONTICS (Lab). (2)
This preclinical laboratory course provides an introduction to basic concepts of diagnosis and treatment planning, fabrication, placement and maintenance of fabrication of complete dentures as well as the related biological and mechanical factors that must be incorporated for living tissue to be compatible with complete dentures. Lab, 63 hours. Prereq: Advancement to second year standing or consent of course director. Coreq: PRO 820.

PRO 824 REMOVABLE PARTIAL DENTURES. (2)
This course is designed to teach the student the basic principles and the practical procedures in providing a therapeutic and functional removable restoration. The course also presents the laws and effects of leverages as related to removable partial dentures as well as the considerations for support, occlusion, and health of all oral structures. Lecture, 19 hours; laboratory, 45 hours. Prereq: PRO 820.

PRO 830 ADVANCED REMOVABLE PROSTHODONTICS. (1)
This course is a continuation of PRO 820. It presents more advanced technique and treatment planning for complex prosthodontic needs. Subjects included are immediate dentures, overdentures and dental implants. Lecture, 21 hours. Prereq: PRO 820 and PRO 824.

PRO 831 CLINICAL REMOVABLE PROSTHODONTICS. (2)
A patient with complete denture needs is treated by the student clinically in the course. The student may opt to treat a patient with immediate, intermediate or overdenture needs. He may initiate and/or complete the treatment of two patients with removable partial denture needs. The student may also treat an optional, additional patient in need of a complete or removable partial denture. The student will recall a minimum of two removable prosthodontic patients and perform any treatment necessary for these patients. Prereq: PRO 821; coreq: PRO 830.

PRO 834 PRECLINICAL RESTORATIVE DENTISTRY III. (4)
This is a preclinical course with emphasis on dental hard tissue surgery and restorative procedures for anterior and posterior fixed prosthodontics. Contemporary principles of fixed prosthodontics, including the long term maintenance of dental health, are presented in lectures.
and applied in practice using manikins. Knowledge gained in previous restorative dentistry courses are applied to more extensive restorations. Lecture, 24 hours; laboratory, 84 hours. Prereq: RSD 822, 823, 824, 825 and 826.

PRO 836 PRINCIPLES OF FIXED PROSTHODONTICS. (2)
This course is a lecture series concerning diagnosis and treatment planning for fixed prosthodontics care and the principles of providing that care. The relationship of tooth restoration and replacements to occlusion, periodontics, orthodontics and removable prosthodontics in both treatment planning and treatment is emphasized. Lecture, 30 hours. Prereq: RSD 823, RSD 821, RSD 822, RSD 824; and/or consent of course director.

PRO 841 ADVANCED CLINICAL REMOVABLE PROSTHODONTICS. (2)
This course covers basically the same area as PRO 831 with the exception that the student is to treat the patient with complete denture needs with less supervision from the instructors. If not done previously, the student must initiate and complete the treatment of two patients with removable partial denture needs. The student will recall three removable prosthodontic patients and will perform any treatment necessary for these patients. Prereq: PRO 831.

RSD Restorative Dentistry

RSD 810 FUNDAMENTALS OF OPERATIVE DENTISTRY I LECTURE. (2)
This lecture course in operative dentistry is designed to provide a beginning student with basic knowledge about cavity preparation and restorative techniques for amalgam and resin composite. This course, together with a complementary laboratory course, RSD 814, is directed at preparing the student with knowledge and skills in the diagnosis and treatment of carious lesions necessary for patient care in operative dentistry. Lecture, 29 hours. Prereq: RSD 812, or consent of course director; coreq: RSD 814.

RSD 811 PRINCIPLES OF DENTAL ANATOMY, MORPHOLOGY AND OCCLUSION LECTURE. (3)
This introductory course is designed to provide the student dentist with the necessary knowledge of dental anatomy, dental morphology and basic dental occlusion for all succeeding courses in preclinical and clinical dentistry. This includes a detailed description and study of individual teeth, the relationship of dentoform and function, mandibular movement and introduction to muscles of mastication. Lectures related to biomaterials are added as needed. Lecture, 45 hours. Prereq: Admission to the college or the consent of the course director. Coreq: RSD 812.

RSD 812 PRINCIPLES OF DENTAL ANATOMY, MORPHOLOGY AND OCCLUSION LABORATORY. (3)
This introductory course is designed to provide the student dentist with the necessary working knowledge of dental anatomy, dental morphology and basic dental occlusion for all succeeding courses in preclinical and clinical dentistry. This includes a detailed study of individual teeth, the relationship of dentoform and function, mandibular movement and the basic introduction and use of the dental articulator. Lectures and laboratory experiences related to dental biomaterials are included as needed. Laboratory 99 hours. Prereq: Admission to the college or consent of the course director. Coreq: RSD 811.
RSD 814 PRECLINICAL OPERATIVE DENTISTRY I. (2)
This first-year preclinical laboratory course in operative dentistry is designed to provide a
beginning student with basic skills for cavity preparation and restorative techniques for amalgam
and resin composite. This course, together with the complementary lecture series course, RSD
810, is directed at preparing the student with the knowledge and skill necessary for patient care in
operative dentistry. Laboratory 69 hours. Prereq: RSD 812, RSD 810 as corequisite, or consent of
instructor.

RSD 816 ESTHETIC DENTISTRY I. (1)
This lecture course is designed to provide a beginning student the basic principles of cavity
preparation and restoration with esthetic dental materials. Materials include resin composite,
resin ionomer and glass ionomer. This course, together with the complementary laboratory
course, RSD 818, is directed at preparing the student with knowledge and skills in the diagnosis
and treatment of defective tooth structure associated with anterior teeth. Lecture, 16 hours.
Prereq: RSD 812, RSD 810, RSD 814 or the consent of the course director.

RSD 818 PRECLINICAL ESTHETIC DENTISTRY I. (1)
This first-year preclinical course in esthetic dentistry is designed to provide a beginning student
with the basic skills for cavity preparation and restorative techniques for using tooth-colored
restorative materials. This course, together with the complementary lecture series course, RSD
816, is directed at preparing the student for patient care in esthetic dentistry. Laboratory, 39
hours. Prereq: RSD 812, RSD 810, RSD 814 or consent of the course director.

RSD 821 CLINICAL RESTORATIVE DENTISTRY I. (3)
This course emphasizes clinical application of the principles taught in preclinical courses.
Concepts of diagnostic and therapeutic procedures as well as preventive measures are applied in
the clinic with emphasis on the demonstration of competency in rendering primary care type
treatment procedures. Prereq: RSD 814; coreq: RSD 824.

RSD 822 PRINCIPLES OF DENTAL OCCLUSION AND ARTICULATION. (3)
This course is directed toward the examination, diagnosis, treatment planning, and treatment of
various occlusal problems. The student will learn the skills needed to analyze the dental
occlusion of patients and to plan successful occlusal therapy including restorative procedures and
fixed prosthodontic treatment. The course will concentrate on developing technical skills and
learning assessment criteria related to mounted study casts, occlusal examination and analysis,
selective occlusal adjustment, diagnostic pre-waxing and planning, and the fabrication of a
muscle relaxation occlusal splint. Lecture, 23 hours; laboratory, 27 hours; clinic, 27 hours.
Prereq: CDS 815, RSD 812, or with approval of the course director.

RSD 823 PRECLINICAL RESTORATIVE DENTISTRY II. (1)
This is a didactic course with emphasis on the basic knowledge required for tooth preparation
and indirect single tooth dental restoration. The materials science and correct manipulation of
dental stones, alloys and luting agents are emphasized. Lecture, 22 hours. Prereq: RSD 812, RSD
810, RSD 814, RSD 816, or consent of instructor.
RSD 824 PRECLINICAL RESTORATIVE DENTISTRY II.  (2)
This preclinical course places emphasis on dental hard tissue surgery and on their restoration to meet the biological needs of the patient. Tooth preparation and extracoronal restorations are performed on manikins and extracted teeth. The materials science and correct manipulation of investments, alloys and cements used to make case restorations are emphasized. Knowledge gained in dental morphology and occlusion is applied in the course. Laboratory: 54 hours. Prereq: RSD 812, RSD 814, RSD 818; concur: RSD 823, or consent of instructor.

RSD 825 PRECLINICAL RESTORATIVE DENTISTRY II.  (1)
This course is a continuation of RSD 823 with emphasis on single tooth indirect intra-coronal restorations and restorations of the endodontically treated tooth. Lecture, 17 hours. Prereq: RSD 823.

RSD 826 PRECLINICAL DENTISTRY II LABORATORY.  (2)
This is a preclinical course with emphasis on dental hard tissue surgery and restorative procedures for single tooth indirect restorations. Clinical simulation procedures are performed on manikins and extracted teeth. Laboratory, 54 hours. Prereq: RSD 823, RSD 824, or consent of course instructor. Coreq: RSD 825.

RSD 827 DENTAL BIOMATERIALS.  (2)
In this course, the materials science, proper manipulation and biocompatibility of a wide variety of dental biomaterials are examined. The durability and biocompatibility of similarly utilized materials are compared. Diagnosis of the causes of clinical materials-related failures is emphasized. Lecture, 40 hours. Prereq: PRO 820 and RSD 824 or consent of course director.

RSD 831 CLINICAL RESTORATIVE DENTISTRY II.  (4)
A continuation of RSD 821 as well as some clinical application of principles taught in RSD 824. The emphasis continues to be on the delivery of primary care type treatment with increasing competency and proficiency. Some emphasis is directed toward elementary experiences in rehabilitative type treatment procedures and occlusal dysfunctions. Prereq: RSD 821 and RSD 824; coreq: RSD 830 and RSD 834.

RSD 835 ADVANCED ESTHETICS IN RESTORATIVE DENTISTRY.  (2)
This course is designed to introduce current concepts in esthetic restorative dentistry to undergraduate dental students in their third year. The techniques presented will build upon previously developed restorative didactic and clinical knowledge, but incorporate additional dental techniques and materials developed specifically for esthetic dentistry. Current dental materials being used by this discipline will be discussed as they apply to specific topics. Lecture, 16 hours; laboratory, 27 hours. Prereq: RSD 810, 812, 814, 816, 818, 821, 822, 823/825, 824, 826, and 827.

RSD 840 RESTORATIVE DENTISTRY UPDATE.  (1)
Students are provided current information on advanced restorative dentistry clinical procedures and materials. Emphasis will be given to diagnosis, treatment planning and treatment of the complex restorative dentistry patient. The format of the course will be "clinical case presentation". Lecture 10; laboratory, 10 hours. Prereq: RSD 830 and RSD 834.
RSD 841 CLINICAL RESTORATIVE DENTISTRY III. (3)
As the final phase in the undergraduate clinical continuum, this course continues to emphasize primary care concepts and proficiency. In addition, more complicated rehabilitative type care and occlusal dysfunction problems are encountered by the student under faculty supervision. Prereq: RSD 830, RSD 831 and RSD 834.

RSD 883 INTRO TO SPORTS DENTISTRY. (Elective) (1)
Introduction to Sports Dentistry is an elective course designed to educate about the opportunities available to become involved with sports teams in your community. The course topics will include: Types of dental injuries related to athletics, prevention of injuries, role of team dentist, types of sports guards and methods of fabrication of sports guards. Lecture: 10 hours; laboratory 6 hours, per course. Prereq: 4th year dental student in good standing; consent of course director. Note: Scheduling of this course will be outside the regularly scheduled clinic/class time.