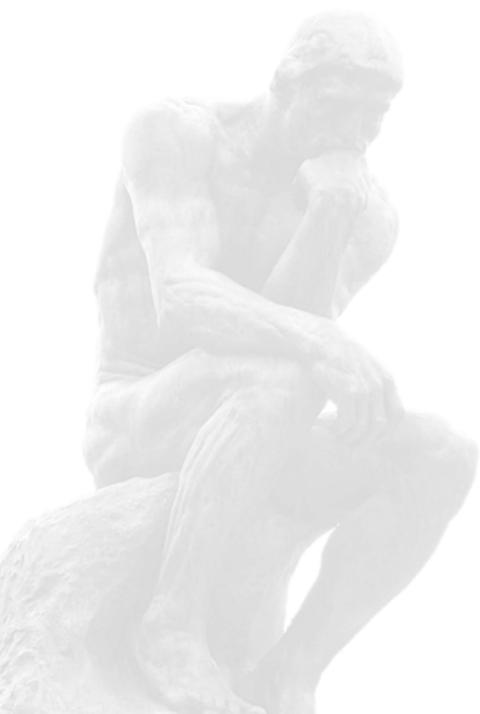




SCHOOL OF DENTISTRY



**SCHOOL OF DENTISTRY BULLETIN
SUMMER 2020 – SPRING 2021**



**UNIVERSITY OF
LOUISVILLE®**

TABLE OF CONTENTS

School of Dentistry Bulletin	2
From the Dean	3
About the School	4
Administration and Faculty	4
Dental Competencies	9
Institutional and Professional Accreditation	10
Admission Information for the DMD	11
Minimum Technical Standards	12
Residency Status	13
International DMD Applicants	14
International Advanced Standing	14
Transfer Students	15
Financial Information	16
Financial Aid	16
Applying for Aid	16
Student Resources	17
Organizations and Activities	17
Disability Requests	18
Academic Policies, DMD Program	21
Grading & Class Rank	21
Honors and Awards	22
Graduation Policies	23
Dentistry (DMD)	25
DMD Courses	29
Basic Medical Sciences (BMSC)	29
Comprehensive Dentistry (CMPD)	30
Diagnosis and Oral Health (DXOH)	37
Interdisciplinary Studies (IDSC)	40
Oral and Maxillofacial Surgery (OMFS)	41
Oral Biology (OBIO)	42
Oral Immunology and Infectious Diseases (OIID)	43
Rehabilitative and Reconstructive Dentistry (RARD)	45
Index	47

SCHOOL OF DENTISTRY BULLETIN

Bulletin and Academic Calendar

About the Bulletin

The 2020-2021 Dentistry Bulletin is applicable to DMD students who enroll at the University beginning Summer 2020 through Spring 2021.

The Dentistry Bulletin is the official listing of the rules and policies governing the DMD professional dental education at the University of Louisville. While every effort has been made to make the bulletin accurate as of the date of publication, the University of Louisville reserves the right to change programs of study, academic policies, academic requirements, fees, course information, procedures for the confirmation of degrees, or the announced academic calendar and related deadlines without prior notice. The provisions of this publication do not constitute an express or implied contract between the University of Louisville and any member of the student body, faculty, or general public.

The University of Louisville is an equal-opportunity institution and does not discriminate against persons because of race, religion, sex, age, handicap, color, citizenship or national origin. If responses from the unit staff are unsatisfactory, inquiries or complaints about discrimination including sexual harassment or handicap access can be made to Employee Relations and Compliance (<https://louisville.edu/hr/employeerelations/>) by calling (502) 852-6538.

The Redbook is the official statement of the organizational structure, the rules of governance and procedures, and university-wide policies of the University of Louisville. If there is any conflict between the policies, procedures or other statements contained within this catalog, *The Redbook* shall govern.

A copy of (<http://louisville.edu/provost/redbook/contents.html>) *The Redbook* is available electronically.

Additional policies and information covering students can be found in the Student Handbook (<http://louisville.edu/dos/students/studentpoliciesandprocedures/student-handbook/>).

JULY 2020

Welcome Training Session for Incoming Postgraduates/Residents	July 1	
Annual Mandatory Training for Postgraduate Education (Grad Clinics Closed AM)	July 2	
Independence Day Observed	July 3	ULSD closed

AUGUST 2020

DMD Student Break (D2/D3/D4)	Aug. 3-7	
DMD Incoming D1 Start Up	August 6, Thursday	
DMD Fall Semester Begins (D2, D3, D4)	Monday, Aug. 10	

Fall Annual Mandatory Training (faculty/staff/D3/D4)	Aug. 12	DMD Clinics Closed AM
DH4 Orientation	Aug. 12-14	
DH3 Orientation	Aug. 13	
Dental Hygiene Fall Semester Begins	Monday, Aug. 17	
ULSD White Coat Ceremony	Aug. 29	
SEPTEMBER 2020		
Labor Day	Sept. 7	ULSD closed
OCTOBER 2020		
Fall Break	Oct. 5-6	
NOVEMBER 2020		
Culturally Effective Care Symposium (mandatory for D1 & DH3)	Nov TBA	9am-noon
Early Release	Nov. 25	half-day
Thanksgiving Holiday	November 26-27	ULSD closed
DECEMBER 2020		
Final Exam Week	Dec. 7-11	
Winter Break, Students	Dec. 14-Jan. 4	
Early Release	Dec. 24	half-day
Winter Break, Faculty/Staff	Dec. 25-Jan. 4	ULSD closed
JANUARY 2021		
Students/Faculty/Staff Return	Jan. 4	
Martin Luther King, Jr. Day	Jan. 18	ULSD closed
FEBRUARY 2021		
Give Kids a Smile	Feb. 5	D3 & D4 clinics closed
Student Vendor Fair – DMD/DH	TBD 3-5pm	classes cancelled 3-5pm
MARCH 2021		
Spring Break	Mar. 15-19	
APRIL 2021		
Finals Week	Apr. 26-30	
Derby Parade Day	Apr. 29	ULSD closes at 3 pm
MAY 2021		
Student Break	May 3-7	
Graduation	May 8	
DMD/DH3 Classes and Clinics Begin	May 10	
Memorial Day	May 31	ULSD closed
JUNE 2021		
DH3 Summer Term Ends	June 26	

FROM THE DEAN

As the Dean of the School of Dentistry, I am honored to work with outstanding staff, faculty and students at the ULSD. I am excited about the future of our school and the future of dental education. I will work with all the stakeholders (faculty, students, alumni, friends of the Dental School and the university community) to ensure that the University of Louisville School of Dentistry continues to follow the goals set by the University of Louisville Strategic Plan.

Dentistry's Challenge:

We are continually embracing change, committed to excellence in patient care and research within a contemporary and forward-thinking educational environment. We are striving to deliver an innovative and contemporary education to train tomorrow's dentists today.

The School of Dentistry will commit to:

- Educational Excellence
- Research, Scholarship and Creative Activity
- Community Engagement
- Diversity, Opportunity and Social Justice
- Creative and Responsible Stewardship

T. Gerard Bradley, BDS, MS, DMD

Dean of the School of Dentistry

ABOUT THE SCHOOL

About the School of Dentistry

University of Louisville School of Dentistry
501 S. Preston Street
Louisville, KY 40202

Mission Statement

The University of Louisville School of Dentistry will improve the oral and overall health of those whom we serve, transforming lives by educating oral health care professionals to provide patient-centered treatment through innovative approaches, community engagement, strong leadership and research for a future filled with promise. The School of Dentistry is committed to the University of Louisville's mission statement, and is especially able to support the commitment to excellence in the missions to teach and provide engaged service and outreach to our community. The DMD program in the School of Dentistry enjoys a unique opportunity within the University by combining education with service to the community in every patient encounter at the School of Dentistry and at our affiliated clinical sites. The diversity of the patient population that our dental students serve includes patients from all stages of life, from many backgrounds and forms of education, from many nations, and from all socio-economic levels. To be able to serve these patients while teaching, using the most modern techniques of oral health care, is an ideal opportunity for the DMD students, faculty, and staff, and offers the patients of the metropolitan area and the Commonwealth an invaluable asset improving their oral health.

Facilities

The three-story School of Dentistry building occupies almost 200,000 square feet at the Health Sciences Center campus. The recently renovated clinical and laboratory facilities and equipment create an environment that is very similar to a private practice setting. Clinical areas in the School of Dentistry are built out in a cubicle system. In the cubicle, the student conducts his or her practice in an atmosphere of privacy which enhances efficiency and self-confidence for patient-centered care.

The dental science laboratories are multi-disciplinary units which provide an area for individual study and work. Each work station is equipped with both high and low bench positions. The high bench provides all utilities necessary for biological laboratory procedures, while the low bench enables a student to learn pre-clinical techniques in a sitting position where a patient-simulated manikin and modern equipment closely simulate the clinical environment. Support laboratories adjacent to the unit labs provide easy access for technical laboratory procedures.

Degrees Offered

Doctor of Medicine in Dentistry (DMD)

Dual Degrees:

DMD/PhD.

DMD/MS in Oral Biology

DMD/MBA

To learn more: louisville.edu/dentistry/degrees (<http://louisville.edu/dentistry/degrees/>).

Administration and Faculty

T. GERARD BRADLEY, DEAN OF THE SCHOOL OF DENTISTRY School of Dentistry Administration and Faculty

Administrative Officers

T. Gerard Bradley, BDS, MS, DMD
Dean

Stephen J. Clark, DMD
Interim Associate Dean for Graduate Education and Faculty Development

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Associate Dean for Clinical Affairs

Dianne Foster
Assistant Dean for Student Affairs

Donald Demuth, PhD
Associate Dean for Research

Margaret Hill, DMD
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John Tichenor
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Department Chairs

Basic Sciences

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Anatomical Sciences and Neurobiology (School of Medicine and School of Dentistry)

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Biochemistry and Molecular Genetics (School of Medicine and School of Dentistry)

Nejat Egilmez, PhD
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David Hein, PhD
Pharmacology and Toxicology (School of Medicine and School of Dentistry)

Irving Joshua, PhD
Physiology (School of Medicine and School of Dentistry)

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Michael Metz, DMD, MSD, MS
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Richard Lamont, PhD
Oral Immunology and Infectious Diseases (OIID & OBIO)

Anibal Silveira, DDS

Rehabilitative and Reconstructive Dentistry (RARD)

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Gary Crim

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Associate Professor
Associate Dean of Clinical Affairs
Comprehensive Dentistry

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Dental Competencies

DMD Competencies

In competency-based dental education, what students learn is based upon clearly articulated competencies and further assumes that all behaviors/abilities are supported by foundation knowledge and psychomotor skills in biomedical, behavioral, ethical, clinical dental science and information management that are essential for independent and unsupervised performance as an entry-level general dentist.

The following competency statements outline the scope of general dentistry as defined by the faculty of the University of Louisville School of Dentistry (ULSD). They have been revised to reflect the contemporary knowledge, skills, and values required for the practice of general dentistry on patients through all stages of life including those with special needs. The statements are grouped into six domains of competence necessary to address patients' oral healthcare needs and to contribute to their overall wellness.

Critical Thinking and Lifelong Learning

- 1.1) Graduates must be competent in the use of critical thinking and problem solving, including their use in the comprehensive care of patients, scientific inquiry and research methodology.
- 1.2) Graduates must demonstrate the ability to self-assess, including the development of professional competencies and the demonstration of professional values and capacities associated with self-directed, lifelong learning.
- 1.3) Graduates must be competent to access, critically appraise, apply, and communicate scientific and lay literature as it relates to providing evidence-based patient care.

Biomedical Sciences

- 2.1) Graduates must be competent in the application of biomedical science knowledge in the delivery of patient care.

Ethics and Professionalism

- 3.1) Graduates must be competent in the application of the principles of ethical decision-making and professional responsibility.

Health Care Communication and Cultural Sensitivity

- 4.1) Graduates must be competent in the application of fundamental principles of behavioral sciences, incorporating patient values as they pertain to patient-centered promotion, improvement, and maintenance of oral health.
- 4.2) Graduates must be competent in managing a diverse patient population and have the interpersonal and communication skills to function successfully in a multicultural work environment.

Practice Management and Health Care Systems

Graduates must be competent in:

- 5.1) Applying legal and regulatory concepts related to the provision and/or support of oral health care services.
- 5.2) Applying the basic principles and philosophies of practice management, models of oral health care delivery, and how to function successfully as the leader of the oral health care team.

- 5.3) Communicating and collaborating with other members of the health care team to facilitate the provision of health care.

Patient Care

Graduates must demonstrate competence in providing oral health care within the scope of general dentistry for pediatric, adult, and geriatric patients (2-23), including:

Assessment, Diagnosis and Treatment Planning

- 6.1) Patient assessment, diagnosis, comprehensive treatment planning, prognosis, and informed consent.
- 6.2) Screening and risk assessment for head and neck cancer.
- 6.3) Recognizing the complexity of patient treatment and identifying when referral is indicated.
- 6.4) Assessing the treatment needs of special needs patients.

Health Promotion and Disease Management

- 6.5) Assess and identify oral health risk factors to determine a health promotion and disease prevention plan.
- 6.6) Evaluation of the outcomes of treatment, recall strategies, and prognosis.
- 6.7) Local anesthesia, and pain and anxiety control, including consideration of the impact of prescribing practices and substance use disorder.
- 6.8) Restoration of teeth.
- 6.9) Communicating and managing dental laboratory procedures in support of patient care.
- 6.10) Replacement of teeth including fixed, removable and dental implant prosthodontic therapies.
- 6.11) Complete a periodontal evaluation, diagnosis, and non-surgical treatment of mild to moderate forms of periodontal disease; appropriately refer advanced periodontal disease.
- 6.12) Complete an endodontic evaluation, diagnosis, and treatment of uncomplicated endodontic cases and appropriately refer complex care.
- 6.13) Diagnose, identify, and manage oral mucosal and osseous disorders.
- 6.14) Complete a surgical evaluation, assessment, and treatment of uncomplicated hard and soft tissue oral surgical cases.
- 6.15) Prevent, recognize, and manage dental emergencies.
- 6.16) Identify and manage malocclusion to include space management.
- 6.17) Prevent, recognize, and manage common medical emergencies.

Institutional and Professional Accreditation



Individuals who wish to contact the Commission on Colleges regarding the accreditation status of the university may do so at:

Southern Association of Colleges and Schools Commission on Colleges

1866 Southern Lane

Decatur, Georgia 30033-4097

Phone: (404) 679-4500

Website: sacscoc.org (<http://sacscoc.org/>)

The DMD, Dental Hygiene, and Postgraduate programs of the University of Louisville School of Dentistry are also accredited by the Commission on Dental Accreditation (CODA) of the American Dental Association.

CODA 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 the address or phone number listed below.

Commission on Dental Education

211 East Chicago Avenue

Chicago, IL 60611

(800) 621-8099, ext. 4653

ADMISSION INFORMATION FOR THE DMD

Admission Requirements

Admission Policy

The Committee on Admissions selects students based on academic proficiency in pre-dental studies, performance on the Dental Admissions Test, recommendations, and nonacademic factors assessed in a personal interview.

Mission of the Admissions Committee:

The University of Louisville School of Dentistry Admissions Committee shall identify, evaluate, and recommend applicants to the Dean who are academically qualified and demonstrate the academic, cultural, social and personal abilities to become safe, competent dentists.

A numerical Admissions Index Score is used to assist in determining which students will be accepted. The Admission Committee uses a holistic evaluation model with about 60% of the scoring based on academic factors.

Dental students require both cognitive and technical skills to success in the curriculum. With this in mind, applicants must be able to meet the minimum technical standards for admission and matriculation with or without reasonable accommodation.

Candidates for the study of dentistry must have sound ethical and moral character and possess the ability to grow professionally. Applicants for the first-year class of the University of Louisville, School of Dentistry are considered on their own merits, without prejudice regarding race, religion, sex, age, handicap, color, or national origin.

Dentistry is the practice of applied biological science and requires a high degree of technical competence. Since members of the profession have many civic and social responsibilities, a highly developed sense of social awareness is required. An understanding of human nature and human relationships is of utmost importance. In selecting courses in preparation for the study of dentistry, a student should include courses in the natural/physical sciences and in the social sciences and humanities which are the foundations of a liberal education. Additional courses in business, mathematics, and communication skills have proven advantageous to our graduates.

Academic Background

Applicants must have completed a minimum of 60 semester hours of college course work, including 35 hours of science courses, from a U.S. or Canadian school. Applicants who attended an international institution must provide an officially evaluated transcript and must meet all requirements. The Admissions Committee reserves the right to modify admission requirements on a case-by-case basis.

Required courses:

- General Chemistry: 2 semesters with labs
- Organic Chemistry: 2 semesters with labs
- Physics: 1 semester
- Biochemistry: 1 semester
- Biology: 4 semester

Recommended Biology courses:

- Human Anatomy or Comparative Anatomy (strongly recommended)
- Histology
- Physiology
- Cellular Biology
- Microbiology
- Immunology
- Other upper-level biology courses

It is expected that all applicants will also have received a broad exposure to the humanities and social sciences. Additional courses that students have found helpful include fine arts, business, psychology, and communications.

Dental Admission Test

The Dental Admission Test is required of all entering students. Applicants may take the test, via computer, at a date and time of their choosing, but are encouraged to take the test no later than September prior to their anticipated enrollment for the following fall. After registering for the Dental Admission Test through the American Dental Association, applicants may contact a local testing center to schedule a test date. Further information may be obtained from pre-dental advisors, the School of Dentistry, or by writing the Division of Educational Measurements:

American Dental Association

211 East Chicago Avenue
Chicago, Illinois 60611.

Application

The School of Dentistry participates in the Associated American Dental Schools Application Service (<https://www.adea.org/ApplicationServices/>) (AADSAS).

AADSAS

1400 K Street, NW, Suite 1100
Washington, D.C. 20005
Telephone: (202) 289-7201

Students are encouraged to initiate the application process during the summer or early fall to insure sufficient time for processing. Kentucky, out-of-state, and international residents are considered for admission.

The Admissions staff and the Admissions Committee strive to recruit, admit, and retain a class that seeks to fulfill the goal of achieving the educational benefits of diversity. Workforce demands of the local, state and national levels may be considered. All applicants seriously considered for admission must participate in an on-site interview. These individuals are provided information regarding the School's goals, strengths, expectations, and student performance. Financial considerations are also discussed. Applicants meet with faculty and interact with students.

Applications from the American Association of Dental Schools Applications Services (AADSAS) are accepted from June 1 through December 15. The application deadline is December 15 of each year. Approximately 400-450 applicants are interviewed each year to fill a class. Classes in recent years have had 120 students.

Letters of acceptance are offered beginning December 1 in accordance with AADSAS policy. A non-refundable deposit of \$200 for in-state, or \$1,000 for out-of-state, is required to reserve a place in the class. The deposit is applied to the cost of registration for the first semester of enrollment. All acceptances are granted contingent upon the satisfactory

completion of any college work in progress at the time of acceptance and clearance on an official Certiphi background check.

Inquiries concerning admission should be emailed to dmdadms@louisville.edu.

The School of Dentistry reserves the right to limit enrollment on the basis of scholarship, recommendations, interviews, background checks, and any other factors affecting the admission process.

Application and Acceptance Timelines

Filing of formal application

- Earliest date: June 1
- Latest date: January 1
- Application fee: \$65.00

Notification of Acceptance

- Earliest date: December 1
- Latest date: Varies

Applicant Response to Acceptance

- If accepted between December 1 and January 1: 30 days
- If accepted between January 1 and February 1: 30 days
- If accepted after February 1: 15 days or less

An advanced tuition fee of \$200 for in-state applicants, or \$1,000 for out-of-state, holds a place in the class. The deposit is non-refundable if applicant cancels acceptance.

Minimum Technical Standards

Technical Standards for Admission and Matriculation

The University of Louisville School of Dentistry is committed to the principle of diversity in all areas. In that spirit, the School is open for admission to all qualified individuals and complies with Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act (1993).

The School recognizes the award of a Doctor of Dental Medicine (DMD) 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 DMD degree is unique in that the graduate is prepared and, upon licensure, is allowed to practice all disciplines of the dental profession. This requires that the student acquire didactic knowledge as well as learning skills and attitudes essential to the profession and agreed upon by the faculty as requisite for the practice of dentistry. The student requires both cognitive and technical skills to negotiate the curriculum.

The School is aware of the unique nature of the dental curriculum. Applicants must possess the skills and abilities that will allow them to successfully complete the course of study and receive the full benefit of the education. In the process the student is required to manage or perform treatment on the patients of the School. The School has the responsibility of ensuring the well-being of patients. This includes the completion of treatment safely and within an acceptable amount of time.

With this in mind, the student must be able to meet technical standards with or without reasonable accommodation.

Motor Skills

Candidates must have sufficient motor function to elicit information from patients through such diagnostic procedures as palpation, auscultation, and percussion. Candidates should be able to execute motor movements that are reasonably required to provide oral health care and emergency treatment to patients. Examples of such emergency treatment are: cardiopulmonary resuscitation, application of pressure to stop bleeding, the opening of obstructed airways, the suturing of simple wounds, and uncomplicated oral and maxillofacial surgical procedures. Such actions require coordination of both gross and fine muscular movements, equilibrium, and functional use of the senses of touch and vision.

Sensory/Observation

Candidates must be able to perform visual and tactile dental examinations and treatment including use of visual acuity and color vision, to discern differences and variations in color, shape, and general appearance between normal and abnormal soft and hard tissues. Use of tactile senses may be either by direct palpation or indirect through instrumentation.

Communication

Candidates must have sufficient mastery of the English language to:

1. Retrieve information from texts and lectures and communicate concepts on written exams and patient charts;
2. Communicate effectively with patients in order to develop a health history, identify problems presented, explain alternative solutions, and give directions during treatment and post-treatment; and
3. Coordinate patient care with all members of the health care team. In any case where a candidate's ability to communicate through these sensory modalities is compromised, the candidate must demonstrate alternative means and/or ability to acquire and communicate essential information.

Cognitive

Candidates 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. Candidates must be able to perform these problem solving skills in a timely fashion.

Behavioral

Candidates must be able to tolerate physically-taxing workloads and to function effectively under stress. Compassion, integrity, concern for others, interpersonal skills, interest, and motivation are all personal qualities that will be assessed during the admissions and educational process. Further, candidates 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. Candidates will be expected to accept criticism and respond by appropriate modification of behavior.

The School will consider for admission any applicant capable of acquiring the necessary knowledge and having the ability to perform, or learn to perform, the skill specified in these standards. The School has determined that these skills are essential to the program of instruction.

Reasonable Accommodation

Although the School may not inquire whether an applicant has a disability prior to making a decision on admission, an applicant may disclose during the admissions process a disability for which he or she wishes accommodation during the admissions process or upon admission. If this occurs, the School will request the applicant to provide documentation of the disability to the Director of Admissions. The Admissions Committee will consider the applicant based on the published criteria for admission of all applicants. The Admissions Committee will make a determination as to whether the applicant can perform the essential functions of the educational program, taking into account the accommodations that the applicant has requested or alternative reasonable accommodations that the institution can offer.

After admission, a student who discloses a disability and requests accommodation may be asked to provide documentation of his or her disability for the purpose of determining appropriate accommodations, including modification to the program. The School will provide reasonable accommodations, but is not required to make modifications that would fundamentally alter the nature of the program or provide auxiliary aids that present an undue burden to the School. The student must be able to perform all of the technical standards with or without accommodation to matriculate or continue in the curriculum.

Costs of reasonable accommodations will be borne by the School unless otherwise funded.

Requests for accommodation should be initiated with the Student Success Counselor.

Residency Status

Residency

ULSD accepts both in-state and out-of-state students. A sub-committee of admissions staff use information from the AADSAS application and the ULSD background information form to make initial determination of residency status for admission and tuition assessment purposes. They refer to 13 KAR 2:045 and may use additional documentation to determine the status of applicants who claim Kentucky residency under atypical circumstances.

In-State or Out-of-State Tuition Initial Determination and Deadline to Appeal

The initial determination of residency status is made during the admission process. A status may be appealed by filing an affidavit and documentation with the Registrar's office no later than 30 calendar days after the first day of classes of the term for which a determination of residency status is requested. Academic calendars are available on the university web site and with the Offices of Admission.

Pursuant to the residency regulation, 13 KAR 2:045 (https://apps.legislature.ky.gov/Law/KAR/013/002/045.pdf#xml=https://apps.legislaturekygov/LRCSiteSessionSearch/dtSearch/dtisapi6dll?cmd=getpdfhits&u=1a702ce5&DocId=5428&Index=E%3a%5cProduction%5cDTSearch%5cDTSearchIndex%5cKY_Administrative_Reg&HitCount=10&hits=c+d+e+f+10+11+12+13+14+15+&SearchForm=&.pdf), an institution may set other deadlines for submission of other information required by the institution in a determination of residency status. Information packets are available from the residency website (<http://www.louisville.edu/residency/>).

Statutory reference: Sections 13 and 14 of 13 KAR 2:045. Effective February 21, 2007.

Applications for Change in Residency Status and Appeals

Application for change in residency classification for purpose of tuition and fee assessment by a student enrolled in or an applicant to a program at the University of Louisville ("University") shall be made in writing to the residency appeals officer for initial consideration along with such information forms as the residency appeals officer may specify. The application for a change in residency classification must be filed no later than thirty (30) calendar days after the first day of classes of the academic term for which the change is requested. Appeals of residency determinations shall be based on administrative regulations promulgated by the Kentucky Council on Postsecondary Education. A written appeal of the decision of the residency appeals officer must be postmarked no later than fourteen calendar days from the date of receipt of notification of the residency appeals officer's written decision.

The Residency Review Committee is appointed by the executive vice president and provost (or designee) and shall be composed of four faculty and/or staff members and one student. The chairperson shall be elected by the committee. The faculty and/or staff members normally shall have staggered two-year appointments; the student member shall have a one-year appointment. The committee shall have authority to establish procedural rules and schedule meetings. A quorum shall consist of three members, and a quorum shall be necessary for committee action.

The Residency Review Committee shall consider appeals from applicants whose initial request for change in residency status has been denied by the residency appeals officer based upon the applicant's written appeal and the file in that matter to the extent provided by the Family Educational Rights and Privacy Act, 1974 (FERPA). The applicant shall be notified in writing as to the committee's decision.

If the decision of the committee is adverse to the applicant, the applicant may request a formal hearing by submitting a written request to the executive vice president and provost (or designee). This request must be postmarked no later than fourteen (14) calendar days from the date of receipt of notification of the committee's written decision.

The executive vice president and provost (or designee) shall appoint a hearing officer from outside the University to preside over formal residency hearings. Formal hearings shall be arranged based on a timely request from the applicant. The formal hearing shall provide for due process, including notice of hearing, examination of the information on which the University decision is based, and the right of an applicant to be represented by legal counsel and to present information and testimony in support of a claim of Kentucky residency. Hearing procedures will be consistent with 13 KAR 2:045 (https://apps.legislature.ky.gov/Law/KAR/013/002/045.pdf#xml=https://apps.legislaturekygov/LRCSiteSessionSearch/dtSearch/dtisapi6dll?cmd=getpdfhits&u=1a702ce5&DocId=5428&Index=E%3a%5cProduction%5cDTSearch%5cDTSearchIndex%5cKY_Administrative_Reg&HitCount=10&hits=c+d+e+f+10+11+12+13+14+15+&SearchForm=&.pdf).

The hearing officer shall make a report with findings of fact and a recommendation to the executive vice president and provost (or designee) with a copy to the applicant. The executive vice president and provost (or designee) will decide the appeal on the record on behalf of the University and the Board of Trustees and will notify the applicant

in writing within thirty days of receipt of the hearing officer's report. In the event the decision of the executive vice president and provost (or designee) is not in accord with the recommendation and findings of the hearing officer's report, a written explanation will be provided to the applicant.

Council on Postsecondary Education Administrative Regulation

Relates to: KRS Chapter 13B, 164.020, 164.030, 164A.330(6).

Necessity, Function, And Conformity

KRS 164.020(8) requires the Council on Postsecondary Education to determine tuition and approve the minimum qualifications for admission to a state-supported postsecondary education institution and authorizes the council to set different tuition amounts for residents of Kentucky and for nonresidents. This administrative regulation establishes the procedure and guidelines for determining the residency status of a student who is seeking admission to, or who is enrolled at, a state-supported post-secondary education institution.

Page Photo: "Another View of Downtown Louisville" (<https://www.flickr.com/photos/59185417@N04/9592750574/>) by Shannon Tompkins (<https://www.flickr.com/photos/59185417@N04/>) is licensed under CC BY-NC-ND 2.0 (<https://creativecommons.org/licenses/by-nc-nd/2.0/?ref=ccsearch&atype=rich>)

International DMD Applicants

International Student Applications to the DMD Program

ULSD welcomes applications from international students who meet eligibility guidelines of the School of Dentistry and the University of Louisville. Interested applicants should review all the University requirements on the International Students & Scholars website (<http://louisville.edu/provost/intcent/is/is.html>).

Academic Requirements

All applicants should have completed a minimum of 90 semester hours of college course work, including a minimum of 32 hours of science courses. If a student is applying with credits from an international post-secondary institution, in addition to the AADSAS application requirements, AADSAS must receive an official transcript evaluation report from Educational Credential Evaluators (ECE).

English Language Proficiency

Applicants whose native language is not English must submit official TOEFL iBT scores. Preference is given to candidates with a minimum score of 100 and with listening and speaking section scores at 26 or above.

International Advanced Standing Advanced Standing Option for Admission

The University of Louisville School of Dentistry offers an Advanced Standing admission option into the DMD program for selected individuals who have received a dental degree from an institution outside the United States or Canada. The program will be customized for each admitted student and will range from two to three years in length.

The total number of students admitted is dependent upon the school's available resources and is dependent on space available in the

class. Contact ULSD Student Affairs for more information prior to applying for the program.

Applicants apply through the ADEA's Centralized Application for Advanced Placement for International Dentist (http://www.adea.org/dental_education_pathways/CAAPID/Pages/default.aspx) (CAAPID).

Contact Information:

University of Louisville School of Dentistry Office of Student Affairs
501 S. Preston St.
Louisville, KY 40202
Telephone: 502.852.5081
Fax: 502.852.1210
Email: advadms@louisville.edu

Program Details

Length of Program: Minimum of 28 months

Program Deadline: **June 15**

Start Date: January

Class Size: Based on space available

Degree Awarded: DMD

Tuition: Same as ULSD traditional program (<https://louisville.edu/dental/dmd/tuition/>)

Requirements to Apply to Program

Applicants submit the following to CAAPID:

English Language Proficiency

- Must be proficient in the English language
- Applicants whose native language is not English are required to provide TOEFL scores unless they have taken at least 90 college credit hours in a U.S. or Canadian institution of higher education.
- Only Internet-based TOEFL (iBT) scores are accepted—submit to CAAPID
- Preference given to those scoring at or above a total score of 100 and 26 in speaking and listening

The institution code for submitting TOEFL scores to the University of Louisville School of Dentistry is **5933**. For more information about TOEFL testing, go to www.ets.org (<https://ets.org>).

National Board Dental Examination Requirements

- Program requires passing of NBDE Part I (or the Integrated National Board Dental Examination available August 1, 2020) to be considered for admission
- Submit Part I National Board Dental Examination or Integrated National Board Examination (INBDE) scores to CAAPID
- Application eligibility requires a minimum score of 75 on Part I or INBDE or "pass" if no numerical score is issued

Personal Statement

- Short essay describing why you desire to enter the DMD program

Letters of Evaluation

- Two (2) letters of evaluation required (one professional and one from the senior administrator or dean of applicant's dental school), written within one year of the application—submit to CAAPID

Transcripts and Evaluations

- Applicant must submit to CAAPID a detailed evaluation by Educational Credentials Evaluators, Inc. (ECE)

Application Fee

- Pay \$65 application fee to program online only AFTER requested to do so by program. DO NOT send payments to ULSD until requested.

Only applications that are complete with all the ULSD requirements listed above fulfilled by the application deadline of **June 15** will be considered by the Admissions Committee. Please DO NOT submit original documents to ULSD.

Transfer Students Guidelines for DMD Admission by Transfer

Under exceptional circumstances, highly qualified students who are currently enrolled in an ADA accredited dental school may be considered for transfer. The candidate must be in good standing and rank in the upper 30% of their class with a minimum GPA of 3.0.

Consideration will be based on the quality of the candidate, resources, and space availability. The DMD Admissions Committee will interview eligible candidates and make recommendations for admission to the Dean. If accepted, the Associate Dean for Academic Affairs will determine appropriate placement in the program based and will assure that the student is scheduled to earn at least one-third of the credits toward the DMD degree at ULSD.

Required documentation:

1. Completed University of Louisville School of Dentistry Application form.
2. Residency Determination Form.
3. Official transcripts from all post-secondary institutions attended (both pre-dental and dental).
4. Dental Admissions Test scores
5. National Board Dental Examination Part I scores, if taken.
6. Current resume listing all undergraduate and graduate employment, research, and community service.
7. Official description of the courses completed in the curriculum of their current dental school.
8. Letter from the Dean (or designate) of the current dental school that verifies that the student is in good standing, the student's GPA and Class Rank (on a yearly basis, if possible), and whether the student has ever been on academic or disciplinary probation.
9. Three (3) letters of recommendation.

Pre-dental college and DAT performance must meet or exceed the minimum standards of the entering class to which the transfer candidate is applying. The candidate's credentials must also fulfill the University of Louisville School of Dentistry's admission requirements regarding undergraduate courses and credit hours. All undergraduate course work must have been completed at an accredited U.S. or Canadian college or university. The student will be evaluated relative to his/her performance in their current dental school. The candidate must have completed, at the time of the requested transfer, a dental curriculum that is consistent with the curriculum of ULSD in content, quantity, and quality. The ULSD Office

of Academic Affairs, along with appropriate course directors, will review the submitted curricula for congruency with the ULSD curriculum.

If the transfer candidate fails to meet any of the previously stated conditions, the Admissions Committee may elect to end the process at this point. If the Committee chooses to pursue the application, an on-site interview will be scheduled. Additional qualifying written and practical examinations may be required. The Admissions Committee will forward their recommendation to the Dean. An accepted student will be placed into a class in the regular curriculum, at a level designated by the Associate Dean for Pre-doctoral Education and approved by the involved course directors.

The transfer student must fulfill all standards of competency as defined by the University of Louisville School of Dentistry. The candidate should be aware that, due to curricular differences, he/she may be required to repeat a year and their anticipated graduation date may be delayed.

All application materials should be submitted directly to:

Office of Student Affairs

University of Louisville, School of Dentistry
501 S. Preston St.
Louisville, KY 40202

All documentation must be received no later than January 1 of the year of desired transfer.

FINANCIAL INFORMATION

Fees and Expenses

For residents of Kentucky, the tuition for the academic year is estimated at \$34,498 annually. For non-residents of Kentucky, the tuition is estimated at \$71,970 annually. The actual charges will be finalized in June each year. Questions of resident status should be addressed to the Office of Student Services, University of Louisville, Belknap Campus, Louisville, Kentucky 40292.

The charges include some mandatory fees, however, there are additional fees found on the UofL Bursar's Office website at louisville.edu/bursar/tuitionfee/.

Fees

Fees are established by the Board of Trustees and are subject to change without prior notice.

Registration Fees (figures are estimates until June)

Item	Resident	Non-Resident
Tuition & Fees	\$34,498	\$71,970
Dental Supplies Fee	\$7,500	\$7,500
Total	\$41,998	\$79,470

Payment of Fees and Student Financial Responsibility

University policy requires that registration fees be paid in full at the beginning of each term on or before the due date. Payment may be made by cash, money order, or major credit card. Other payment options include short-term tuition loan (with repayment occurring during the semester), or financial aid credit. All payment options are detailed on the tuition statement that is sent to all registered students prior to the start of each semester.

Penalty

The Registrar may discontinue services, including the privilege of registration, to a person having a past due university account. The Bursar's Office will accept a check from any person for only the amount owed the University. Checks postdated will not be accepted nor will any check be held for deferred deposit. A penalty will be charged for returned checks. If the amount owed and penalty are not paid promptly, the student may be subject to legal action.

Refunds

Since hourly rates do not apply to courses in the DMD Program, a refund or reversal of all or a portion of charges, if any, will be determined on a case-by-case basis.

Withdrawal

The effective withdrawal date is the date on which the withdrawal is processed in the student system.

A student who leaves school unofficially, that is, without permission from the Dean's Office, may forfeit all rights to a refund and may receive the mark of F in all courses.

The schedules, fees, and regulations specified are subject to change without notice.

Financial Aid

The Financial Aid Office administers financial aid programs including loans, scholarships, and grants, in accordance with University standards. Funds are limited and are awarded to students who demonstrate need. Financial aid is based on the principle that the primary responsibility for meeting education cost rests with the student.

The purpose of financial aid is to help provide a professional education for students who could not attend school without such support. Therefore, parent's income may be analyzed to determine eligibility for some federal financial aid programs.

Various sources of financial aid are available to help the student finance his/her dental education. Available sources include (but are not limited to):

Federal loans administered by the U.S. Department of Education:

- Direct Unsubsidized Loan
- Direct Plus Loan

Federal programs administered by the U.S. Department of Health and Human Services:

- Health Professions Student Loans (HPSL)

American Dental Association (ADA) Scholarships:

- Dental Student Scholarships
- Inclusion Student Scholarships

UofL Sources:

- Alumni and Merit Scholarships
- Summer Research Stipends

Numerous private sources are also available. Students applying to dental school receive information on the types of available financial aid, application procedures, and other useful materials from the Office of Financial Aid, School of Dentistry (<http://louisville.edu/dentistry/financialaid/>). Accepted students received additional information

Applying for Aid

Applications for Financial Aid

The Office of Financial Aid and Student Employment assist students in meeting their education expenses through scholarships, educational loans, and part-time employment. Any or all of these may be used in varying proportions to help meet financial needs.

Information and application forms for financial aid and information on available scholarships may be obtained from:

Office of Student Financial Aid

501 South Preston, Room 231

University of Louisville

Phone: 502-852-5076

louisville.edu/dentistry/financialaid (<https://louisville.edu/dentistry/financialaid/>)

STUDENT RESOURCES

Resources for DMD Students

Office of Student Affairs

The Office of Student Affairs of the School of Dentistry coordinates several supportive services for students enrolled in dentistry, dental hygiene, and advanced education programs. Services include coordinating the application process, providing counseling, advising, financial aid support, coordinating tutoring services, and serving as a student advocate. The School employs a full time Student Success Coordinator.

Office of Academic Affairs

The dental school Program Coordinator manages all student records and course enrollment and maintains student files for those enrolled in the School of Dentistry. The Coordinator compiles and distributes grades, rankings and provides services to students who need unofficial University records and credentialing documents to support applications for state licensure, insurance certification, postgraduate training, or military benefits. The Program Coordinator is located in the Academic Affairs Office, in room 239.

Housing

Medical/Dental Apartments

The Medical/Dental Complex is located at 627 S. Preston Street on the downtown Health Science Campus. This is a mixed facility of resident apartments, short-term guest apartment units and administrative offices.

The apartments range from studio style to two bedroom apartments. All apartments in this facility are furnished and include full kitchens. Preference is given to students who are enrolled in the health-related fields.

It is within walking distance of 4th Street Live! (<https://www.4thstlive.com/>) and a short drive from the Highlands area and Bardstown Road (<https://www.gotolouisville.com/neighborhoods/the-highlands/>).

MDA Residents are required to set up a payment plan or pay their semester balance in full. Residents will need to fill out the Med-Dent Payment Plan and mail it to the Bursar's Office.

Features include:

- 24-hour access
- Laundry facilities located on every floor
- Playroom located in the basement for children
- One internet drop available per apartment
- One VoIP phone available per apartment

For more information, visit the University Housing website (<http://louisville.edu/housing/options/communities/meddent/>).

Affiliated Apartments

These apartment complexes offer a wide range of housing styles from studio to townhouse options. They may offer six-month options as available. Both are located close to University of Louisville Hospital and the Med-Dent Campus. They are a good option for upper class and graduate level students.

- Elevate at NULU: 502.825.0029
- The Quad (<https://www.quadlouisville.com/>): 502.515.2489 (option 3)

The Office of Student Affairs also provides information on private housing options that have been recommended by current and former students.

Title IX and ADA Coordinator's Office

The University strives to provide a safe environment and is committed to keeping the health and well-being of the campus community in the forefront of our thinking. The Title IX Coordinator is in charge of the University's preventive education about, and response to, sexual misconduct including sexual harassment (includes quid pro quo and hostile environment); sexual assault; domestic violence; dating violence; and stalking.

The Title IX Coordinator's contact information is:

Dr. David Parrott

Title IX Coordinator

Dean of Students Suite, SAC W301

2100 S. Floyd Street

Louisville, KY 40208

502-852-5787

Email: titleix@louisville.edu

Webpage: <https://louisville.edu/titleix> (<https://louisville.edu/titleix/>) (policies)

Organizations and Activities

Student and Professional Organizations

Membership and participation in student and professional organizations can enhance and support a student's program experience. A number of these are available for UofL students, including the following:

American Dental Education Association (ADEA)

The American Dental Education Association (ADEA) is the only organization whose primary objective is the educational process associated with dental and dental auxiliary education. Since ADEA is concerned about the environment in which the student exists and since the Council of Students (ADEA) is the only national forum in which students from all areas of dental education (predoctoral, postdoctoral, hygiene, assisting, and laboratory technology) can come together and share opinions, it is to the student's benefit to participate in significant decision making processes which will affect that environment.

Regional meetings of the Council of Students provide an opportunity to review both local and regional concerns in addition to national issues. Significant impact on the ADEA Policy Statements has originated in regional meetings.

As a member of ADEA, the student has access to the Journal of Dental Education, a monthly publication containing updates on the national issues in dental education.

American Student Dental Association (ASDA)

The School of Dentistry has an American Student Dental Association chapter which was chartered April 14, 1967. The ASDA has as one of its primary functions, the introduction of future dentists into their responsibilities in the professions. The underlying philosophy and

professional status of the parent organization, the American Dental Association, carries into ASDA.

Dental students are encouraged to join the American Student Dental Association. The annual student membership fee entitles the student to receive the monthly issue of the Journal of the American Dental Association and to attend local, state, and national meetings. Student members gain free participation in the Group Life Insurance Program which is sponsored by the ADA. Certificates issued provide coverage of \$25,000 plus double indemnity for accidental death. Members of the ASDA are also eligible for the Professional Protector Plan which includes insurance coverage for student dental equipment plus professional liability. Following graduation, qualified student members are admitted to active and full membership in the American Dental Association, subject to ADA rules of membership and at a phased-in reduced dues structure.

American Association for Dental Research Student Research Group (ULSD-SRG)

The American Association for Dental Research sponsors student research groups at each dental school, including SRG meetings at each national AADR annual meeting. The ULSD-SRG welcomes student participation and membership. Students have the opportunity to participate actively in research activities and to present their findings locally, nationally, and internationally.

Louisville American Student Dental Association (LASDA)

The Louisville American Student Dental Association (LASDA) is the official student governing body of the school. The President of LASDA is the official representative of the School of Dentistry on the University Student Senate. LASDA is funded through the Student Government Association and the student activity fee.

LASDA exists to aid dental and dental auxiliary students throughout the course of their education. It sponsors numerous activities: academic, professional, and social. LASDA is composed of the executive officers and representatives from each of the classes of each of the programs of the dental school.

Student National Dental Association (SNDA)

The Student National Dental Association (SNDA) is the student component to the National Dental Association. It was formed by dental students at Meharry Medical College in 1970. It currently stands as the largest minority student organization in the United States. SNDA includes more than 56 colleges and universities across the country including a University of Louisville chapter. SNDA promotes increase in minority enrollment in dental schools and encourages a viable academic and social environment conducive to the mental and professional wellbeing of minority students. It strives to improve the delivery of dental health to all people with emphasis on minorities and the underserved. The SNDA educates and actively involves students of all races and ethnicities in the social, moral, and ethical obligations of the dental profession. SNDA is also a community based association and works within the community with such programs as the YMCA Black Achievers impressions program and various other annual community programs which entail informing and educating children and adults about the importance of good oral hygiene. SNDA regional and national meetings are held annually to advance and refine the collective efforts of the organization.

Christian Medical & Dental Association (CMDA)

The Christian Medical & Dental Association exists to motivate, educate, and equip Christian physicians, dentists, and students to practice a morally and spiritually centered profession.

Hispanic Student Dental Association (HDA)

The Hispanic Student Dental Association (HDA) mission is to be the leading voice for Hispanic oral health, and to provide Service, Education, Advocacy, and Leadership (SEAL) for the elimination of oral health disparities in the Hispanic community.

American Association of Women Dentists The American Association of Women Dentists (AAWD) provides support and education to women dentists. AAWD strives toward the mission of "becoming the recognized resource for connecting and enriching the lives of women dentists."

Asian American Dental Association The purpose of the Asian American Dental Association (AADA) is to gather dental health care professionals and professional students together to provide quality dental services and education for Asians, Asian-Americans, and other individuals while building cultural awareness to the School of Dentistry and communities.

Student Professionalism and Ethics Association (SPEA)

The Louisville Chapter of the Student Professionalism and Ethics Association in Dentistry (SPEA) is a national, student driven association that was established to promote and support a student's lifelong commitment to ethical behavior in order to benefit the patients they serve and further the dental profession. The objectives of the Association are to act as a support system for students in strengthening their personal and professional ethics values by: providing a resource for ethics education and development, fostering a non-punitive, open-forum environment for ethics communication, promoting awareness of ethics standards and related issues within dentistry, and collaborating with leadership of the dental profession to effectively advocate for our members.

The ULSD chapter of SPEA aims to accomplish these objectives by inviting dental colleges to speak, meetings to discuss relevant topics, and collaborating with the national organization.

Disability Requests

DISABILITY RESOURCE CENTER, STEVENSON HALL

Guidelines for Students Regarding Disabilities

The University of Louisville School of Dentistry is committed to the principle of diversity in all areas. In that spirit, the School is open for admission to all qualified individuals and complies with Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act (1993).

The School may not inquire whether an applicant has a disability prior to making an admissions decision. However, an applicant may disclose during the admissions process a disability for which he or she wishes accommodation during the admissions process or after admission. If this occurs, the following steps must be taken:

Documentation of the disability must be provided to the Director of Admissions, School of Dentistry.

- Using published criteria for admission of all applicants, the Admissions Committee must consider the applicant and the disability.
- Taking into account the accommodations that the applicant has requested or the alternative reasonable accommodations that the institution can offer, the Admissions Committee must determine whether the applicant can perform the essential functions of the educational program.

Accommodations for Specific Disabilities

The University of Louisville is committed to equal opportunity and challenge for all academically qualified students and does not discriminate on the basis of disability. Accommodations are available to encourage students with disabilities to take full advantage of the University's educational, social, and cultural opportunities.

The Disability Resource Center (DRC) is responsible for the coordination of programs and services for qualified applicants for admission and enrolled students with disabilities. Determination of eligibility for services and appropriate accommodations is determined by staff of the Disability Resource Center after review of documentation of disability.

Disability Resource Center

119 Stevenson Hall
502.852.6938

As needed, DRC staff will discuss the student's request for services with the student to determine appropriate accommodations and/or consult with the faculty member or other involved office regarding the request. When there is any question about the appropriateness of the student's requested accommodation, the DRC staff member will inform the student of the decision.

Questions or concerns related to requested accommodations not resolved with individual DRC staff should first be discussed informally with the Director of DRC and then be subject to informal consultation with the Vice President for Student Affairs. Written student complaints submitted to the DRC will be addressed by the DRC in writing to the sender.

Matters that remain unresolved may be formally presented by the student to the ADA Compliance Officer located in the Office of Affirmative Action by the following the ADA Grievance Procedure (<https://louisville.edu/disability/students/ada-policy-formal-complaint-procedure-legislation/>). A complaint should be filed within 180 days after the complainant becomes aware of the alleged violation. Formal appeals include a written statement regarding the nature of the complaint, results of the informal meetings, and requested resolution. All formal appeals will be promptly investigated and a decision will be rendered with 60 working days of the date of receipt.

Please contact the Office of Affirmative Action (<https://louisville.edu/hr/employee-relations/eo-affirmative-action/>) for additional information on the grievance procedure.

Applying For and Requesting Support Services

Students and potential students are referred to DRC by publications such as UofL application packets, schedules of classes and catalogs. Students are referred by community agency personnel, UofL faculty and staff and other students, high school counselors, health care professionals, family members and others. Referrals are made verbally or in writing. Referrals should be routed to the appropriate coordinator (<https://louisville.edu/>

disability/contact-us/) or to the Director when DRC staff has questions regarding the appropriate staff member to work with a student.

Submitting Documentation of Disability

All students seeking assistance from DRC must disclose the presence of a disability. In most cases, the student will be asked to submit documentation of disability for review by the appropriate DRC staff person. Upon receipt and review of the documentation, an intake appointment will be scheduled. Contact the Disability Resource Center for additional information about guidelines for diagnostic criteria and read the Documentation Guidelines (<https://louisville.edu/disability/students/documentation-guidelines/>) for more information.

Intake Appointment

After review of documentation, the appropriate coordinator will contact the student for an intake appointment. At this meeting, the student's eligibility for accommodations and anticipated needs will be discussed. Policies and procedures regarding specific accommodations, such as letters for faculty, exam accommodation, supplemental note-taking service, etc. will be discussed.

Requesting Specific Accommodations

Requests for accommodations coordinated by the Disability Resource Center are made by completing a Service Request Form (<https://louisville.edu/disability/students/service-request-form/>) and submitting the form along with a copy of class schedule to the appropriate DRC Coordinator (<https://louisville.edu/disability/contact-us/>). It is the responsibility of the student to request specific accommodations each semester via the Service Request Form. Please remember that accommodations can generally occur only after submission of appropriate documentation, review by the coordinator, determination of eligibility for specific services, and request by student for specific accommodations

Timeliness of Requests

Submission of accommodation requests for instructor letters, exam accommodation, and supplemental note-taking services should generally be submitted no later than two weeks prior to beginning of term. Some accommodations (such as interpreter service and taped textbooks) require much more notice. Please refer to policies and procedures for specific accommodations (<https://louisville.edu/disability/students/accommodations-for-specific-disabilities/>) such as reader service, interpreter service, for additional information on timeliness of requests. Although DRC staff will make reasonable effort to process all requests, untimely requests may result in delay of accommodations.

Academic Adjustments

Academic requirements will be modified, as necessary, to ensure that they do not discriminate against qualified applicants or currently enrolled students with disabilities. At the student's request, DRC staff recommends academic adjustments in compliance with legal mandates. Academic requirements that are essential to programs of instruction are not considered discriminatory.

Modifications shall not affect the substance of the educational programs or compromise educational standards. Students can ask the appropriate DRC staff member to provide a memo recommending academic adjustments for each class in which the student is enrolled. Because of the diversity of individual needs relating to disabilities and the uniqueness of each class, students must discuss their requests for course modifications with their instructors each semester.

DRC Availability

The staff is available to consult with students on an appointment basis, Monday through Friday, 8:30 AM to 5:00 PM. Other hours may be available. To ensure that staff is available and have adequate time to meet with you, please call and schedule an appointment.

ACADEMIC POLICIES, DMD PROGRAM

Academic Regulations

Dental students are responsible for complying with the regulations and/or procedures as described in such documents as the *DMD Student Handbook*, *Clinic Operations Manual*, *Code of Professional Responsibility*, *HIPAA*, *Conduct with Minors Policy*, and any other guidelines associated with the School of Dentistry applicable to student education. In addition students are expected to possess and display physical stamina, effective interpersonal skills and personal qualities consistent with the dental profession. Consequently, the Dean, in accordance with the procedures set forth in the Handbook and *The Redbook*, may consider any questions of student's unwillingness, failure, or inability to fulfill these expectations to be an academic matter. These documents and policies are located in a Blackboard organization available to DMD students.

The Academic DMD Program Policies are defined to provide uniform coordination and consistency for the management of the DMD educational program. Department and University policies exist for the following items discussed. The policies are captured in the University of Louisville Student Handbook (<http://louisville.edu/dos/students/studentpoliciesandprocedures/student-handbook/>) which sets forth University of Louisville policies and guidelines for all students. The School of Dentistry may terminate the attendance of any student at any time, or remove from the list of degree candidates any student whom the Dean determines is or will not be able to satisfy the professional standards required of all candidates for the Doctor of Dental Medicine degree.

Any individual who enrolls in ULSD, agrees to, and will comply with the rules of UofL, ULSD, and affiliated hospitals and clinics. Students are instructed to familiarize themselves with UofL and ULSD regulations concerning, but not limited to, plagiarism, neglect of study, academic integrity, definition of cheating, and illegal or inappropriate behavior.

Promotion and Clinic Privileges

Promotion through curriculum each semester is at the discretion of the Student Progress and Promotion Committee (SPPC) as based on successful completion of required courses.

Early Intervention

It is the student's responsibility to inquire about his/her academic progress, seek help, and request assistance when necessary. Early intervention is often effective in successful resolution of academic challenges. While student academic progress is generally monitored by the Office of Academic Affairs and the SPPC, students should seek assistance early. Support is available through the Office of Student Affairs and the Office of Academic Affairs, which work together to provide assistance including student counseling, tutor assignment, or course director discussion.

Grading & Class Rank

Grades, Grade Point Average and Class Rank

A cumulative grade point average is calculated as an indicator of overall academic performance in the DMD program and is used as a criterion

for graduation requirements, graduation honors or other academic distinctions, and for determining academic class rank in the program.

Grading

The following grade point scale is utilized for certain courses in the DMD curriculum:

Grades	Quality Points
A+	4.0
A	4.0
A-	3.7
B+	3.3
B	3.0
B-	2.7
C+	2.3
C	2.0
C-	1.7
D+	1.3
D	1.0
D-	0.7
F	0.0

Biomedical Science courses are graded using this plus or minus grade system; all other pre-clinical and clinical courses in the DMD curriculum use letter grade system only, with no plus or minus. The D grade is not acceptable and not available in any clinical courses in the DMD curriculum.

I (Incomplete) and X Grades

The "I" grade represents insufficient information to permit proper evaluation of the student's performance. The "X" grade means that the course work has not been completed due to the nature of the course (availability of patients, etc.) A student cannot graduate with an I or an X grade. The following shall determine the disposition of and I or X grade:

1. An unresolved "I" grade automatically shall be changed to an "F" grade if the incomplete is not made up prior to the end of the next semester.
2. An "X" grade shall be changed to a final grade upon completion of the requirements of the course.

Pass/Fail (P/F) Grades

Certain courses may use the Pass/Fail system of identifying academic success, subject to approval by the Curriculum Committee. If used, that Pass course grade will not affect the computation of the GPA.

F Grades

The "F" grade indicates failure to achieve at an acceptable level.

1. A student may not graduate without passing all required courses and selectives in which they are enrolled.
2. A first or second year DMD student cannot receive Dean's List or Dean's Scholar recognition for a term in which an F grade is received.
3. The mechanism (procedures, schedule, completion deadlines, etc.) permitted for the remediation of an F grade shall be determined by the course director and department chair, subject to the approval of the Student Progress and Promotion Committee (SPPC) and the Associate Dean for Academic Affairs.
4. A course taken at another institution to remediate an F grade must be approved in advanced by the director of the course in which the

failure occurred in conjunction with the Associate Dean for Academic Affairs.

5. A grade earned in a remediation effort replaces the original F grade on the academic transcript. A grade earned in a repeated course does not replace the original F grade on the academic transcript. All non-Pass/Fail grades earned in all courses are used in the calculation of a student's cumulative GPA.

If a student fails a course(s), the SPPC is notified at the end of the term. During the SPPC meeting, the committee will determine, based on course syllabi and input from the course director, if the student is:

1. Eligible to attempt remediation of the course (and continue with the cohort);
2. Eligible to repeat the course (may or may not continue with the cohort);
3. Called for a Performance Evaluation Hearing.

Determination of Grade Point Average

Only course grades required in the DMD program of study are used in the calculation of the cumulative GPA. All courses are assigned credit hours by the Curriculum Committee. The total number of academic points earned for the semester is determined by multiplying the graded credit hours earned for each course by the quality points earned for that course. Pass/fail grades and grades of I or X will not be used in calculating a GPA.

The cumulative GPA is calculated by adding all academic points earned in the dental curriculum and dividing by the total number of graded credit hours earned or taken, **including failures** (Pass grades are excluded). The School of Dentistry will use the University's class repeat option of averaging all grade attempts in the GPA.

Oral Biology or Other Non-DMD Courses

Any courses taken during the student's enrollment in the Master of Science in Oral Biology program or other non-DMD required course for which credit has been granted will be manually included in a separate GPA. Grades earned in any Master's/PhD program will not be included in the calculation of the grade point averages of the DMD program. Credit hours earned in non-DMD required courses will not be included in the total hours needed for graduation in the DMD program.

Calculation of Class Rank

Class rank based on grade point averages is calculated after all Fall and Spring semester grades are posted. Grade point averages are calculated to three decimal places. The ranking system used is a standard competition type. In the case of a tie, all students with the same GPA are ranked at the same numerical position in the class. For example, if three students are tied with a 4.000, they all receive the class rank of 1, and the next student in sequence will receive the class rank of 4. Internationally trained dentists who join the class as advanced standing students in the Spring semester of the D2 year are not included in the class ranking of the students who are in the four year cohort.

Honors and Awards

Criteria for Honors and Awards

To encourage higher scholastic endeavor, leadership, and to stimulate individual study in the various disciplines, honors and awards are given to deserving students.

Dean's List and Dean's Scholar

The SPPC shall identify students who are worthy of recognition for academic excellence at the end of the students' first and second years. The recognition will be recorded on his/her transcript.

1. The SPPC shall recommend that each student who has a cumulative GPA of at least 3.50 and earns a current term GPA of 3.70 or above, be placed on the Dean's List.
2. The SPPC shall recommend that each student who has a cumulative GPA of at least 3.70 and earns a current term GPA of 3.90 or above be designated as a Dean's Scholar.
3. In order to be eligible for recommendation for Dean's List or Dean's Scholar recognition, a student may not have an F grade, a D grade or a W (administrative withdrawal) in a course. Also, the student may not have an I or X grade from any of the previous semesters.

Honors and Awards

American College of Dentistry Student Leadership and Professionalism Awards

The Kentucky Section of the American College of Dentistry annually grants an award to the outstanding dental student who has most clearly demonstrated the important characteristics of professionalism and leadership.

Biomedical Science Awards

Each biomedical science discipline recognizes one dental student each year for outstanding academic accomplishments. Awards are given in the following areas: Anatomical Sciences and Neurobiology, Biochemistry and Molecular Biology, Microbiology & Immunology, Physiology, Oral Biology, Pharmacology and Toxicology, and Physiology and Biophysics. Each recipient receives a formal certificate of achievement.

Clinical Disciplines

Recognition is made of graduating dental students for outstanding achievement in the following:

- Endodontics
 - American Association of Endodontics
- Oral and Maxillofacial Surgery
 - American Association of Oral and Maxillofacial Surgery
 - X. Elwood Sanders Oral Surgery Award
 - American Association of Oral and Maxillofacial Implant Student Award
- Oral Medicine
 - American Academy of Oral Medicine
- Oral Pathology
 - American Academy of Oral and Maxillofacial Pathology
- Orthodontics
 - American Association of Orthodontists
- Pediatric Dentistry
 - American Academy of Pediatric Dentistry Award
 - Dr. Robert D. Elliott Pediatric Dentistry Award
- Periodontics
 - American Academy of Periodontology
 - Quintessence Book Award for Clinical Achievement in Periodontics
- Preventive Dentistry
 - Alliance to the Louisville Dental Society Award
- Prosthodontics

- Dentsply International Merit Award in Removable Prosthodontics
- Hanau Prosthodontic Award
- L.D. Pankey Occlusion Award
- Southeastern Academy of Prosthodontics
- ICOI International Congress of Oral Implantologists Award
- AAID Dental Student Award for Implant Dentistry
- Academy of Osseointegration Outstanding Dental Student in Implant Dentistry
- American College of Prosthodontists Student Achievement Award
- Academy of Dental Materials Student Award
- Diagnosis and General Dentistry
 - Louisville Dental Society Professionalism Award
 - Quintessence Book Award for Clinical Achievement in Restorative Dentistry
 - American Academy of Orofacial Pain
 - Academy of Operative Dentistry
 - American Academy of Esthetic Dentistry
 - Kentucky Academy of General Dentistry
 - American Dental Society of Anesthesiology Student Award
- Community Dentistry
 - The American Association of Public Health Dentistry
 - The E.B. Gernert Community Service Award
- Pierre Fauchard Award
- Quintessence Book Award for Research
- Oral Health and Systemic Disease Research Award
- American Association of Women Dentists
- Karen Andrus Award
- American Student Dental Association Award for Excellence
- American College of Dentists Student Leadership and Professionalism Award
- International College of Dentists Award for Student Leadership
- Scholastic and Fraternal Achievement Awards of Psi Omega Fraternity

Honorary Organizations

Delphi Society

The Delphi Society was chartered in 1980 to officially recognize dental students who have shown exceptional aptitude and interest in dental basic sciences. This is an honorary group dedicated to the recognition of student achievement in biomedical sciences and research. Students are eligible for induction after their successful completion of two full years in the dental curriculum.

Omicron Delta Kappa

The national Omicron Delta Kappa Award is given to the graduating student in each college of the University who, in the opinion of a committee of the faculty, best exemplifies the qualities of leadership encouraged by ODK.

Omicron Kappa Upsilon

Omicron Kappa Upsilon (OKU), a national honor society, was founded in 1914 to recognize exemplary traits of character, scholarship and the potential for future professional growth. The seniors are selected by OKU faculty members from students in the upper 20% in their class for induction during a special fraternity dinner in the spring. Because of its very rigorous selection criteria, OKU is widely recognized as one of the most prestigious awards that can be earned by a dental student.

Psi Omega

The Psi Omega fraternity annually gives fraternal and scholastic achievement awards in addition to senior recognition awards.

Graduation Policies

Graduation Requirements and Honors

Successful and timely completion of all courses and the requirements must be accomplished before a student will be approved for graduation from the School of Dentistry. Students must complete the curriculum within 6 years (including summer sessions) in residence, or are subject to dismissal. Students in a dual degree program may request from the Dean a waiver of the 6-year requirement.

Criteria for Graduation

1. The student must have completed all required courses and elective courses in which he/she enrolled, and have no outstanding I, X, or unresolved F grades.
2. D grades indicate poor performance and are not acceptable in clinical discipline coursework.
3. The student must have a cumulative GPA of at least 2.000.
4. The student must be formally recommended for the degree by the ULSD Faculty Assembly and by the Dean, and must be approved for the degree by the Board of Trustees.

National Board Dental Examinations

National Board Dental Examinations serve as comprehensive examinations of a student's knowledge in dentistry and the basic sciences and cognitive skills to safely practice entry-level dentistry. Passing the NBDE (currently Parts I and II) is a requirement for dental licensure by all state licensing boards in the United States. It is the responsibility of each student to direct and manage his or her learning to prepare for the examinations, with guidance and assistance from the school.

Beginning with the Class of 2021, the University of Louisville School of Dentistry requires students successfully complete both parts of the NBDE and/or the INBDE prior to graduation.

Part I

The NBDE Part I is a comprehensive examination and consists of 400 exam items. For each discipline, approximately 80 percent of the items are intermingled, discipline-based; approximately 20 percent are interdisciplinary testlet-based items. A testlet consists of a patient scenario/history and a set of items from the various disciplines that are associated with the scenario. A student in a dental education program accredited by CODA is eligible for examination when the dean of the dental school (or designee) verifies that the student is prepared in all NBDE Part I disciplines. Students typically challenge this exam during the summer after successful completion of the General Pathology course in the D2 year.

The exam items for the NBDE Part I are drawn from the following disciplines:

- Anatomic Sciences
- Biochemistry-Physiology

- Microbiology-Pathology
- Dental Anatomy and Occlusion

Part II

The NBDE Part II is a comprehensive examination and consists of 500 exam items. For each discipline, approximately 80% of the items are intermingled, discipline-based; approximately 20% are interdisciplinary case-based items. A case consists of a patient scenario/history and a set of items from the various disciplines that are associated with the scenario. A student in a dental education program accredited by CODA is eligible for examination when the dean of the dental school (or designee) verifies that the student is prepared in all NBDE Part II disciplines. Students typically challenge this exam in the fall of the D4 year. The exam items that comprise the discipline-based component are derived from the following disciplines:

- Endodontics
- Operative Dentistry
- Oral and Maxillofacial Surgery / Pain Control
- Oral Diagnosis
- Orthodontics / Pediatric Dentistry
- Patient Management
- Periodontics
- Pharmacology
- Prosthodontics
- Oral Pathology

The case-based component of the NBDE Part II presents events dealing with actual patients. The patient cases are developed to include the following approximate distribution: Adults (70 percent), Children (30 percent). A minimum of 15 percent of Component B exam questions will address the medical management of compromised adults and children. A compromised patient is defined as a person whose health status requires modification of standard treatment.

Each case presentation in the examination consists of:

1. Synopsis of a patient's health and social histories,
2. Patient dental charting,
3. Diagnostic radiographs, and
4. Clinical photographs of the patient (when necessary).

Each case contains from 10 to 15 questions about various aspects of this patient's dental care. These questions, totaling 100 for all the cases, might derive from any of the basic sciences and clinical disciplines, including Patient Management. The proportion stemming from any particular discipline depends upon the nature of the case itself. For example, the case of an elderly adult might be based upon Maxillofacial Surgery / Pain Control, Prosthodontics, and Operative Dentistry; whereas, a child's case might derive from Orthodontics, Pediatric Dentistry, and Patient Management.

In responding to case-based items, the candidate must:

1. Interpret the findings and information provided.
2. Identify the problems and make diagnoses.
3. Select materials, technique, and armamentarium.
4. Apply treatment.
5. Evaluate progress and complications.
6. Establish procedures for prevention and maintenance.

It is the student's responsibility to familiarize themselves with the requirements of clinical licensing examinations and state dental boards.

Integrated National Board Dental Examination (INBDE)

The Integrated National Board Dental Examination (INBDE) is a new examination for dental candidates, scheduled to replace the current National Board Dental Examination Part I and Part II examinations starting in August 2020. The INBDE is designed to assist state boards of dentistry in making decisions about candidates for dental licensure. By integrating content covering the basic, behavioral, and clinical sciences, the INBDE simulates the decision making required for the safe practice of dentistry.

The Joint Commission on National Dental Examinations (JCNDE) developed a new examination because of changes in educational curricula and new accreditation standards that took effect in 2013, requiring the integration of basic sciences with behavioral and clinical science instruction. In reviewing content, the Joint Commission considered the state licensure boards' perspective. The new test relies less on fundamental knowledge and information recall than the current NBDE examinations do, and instead it emphasizes the decision-making process relevant to the safe practice of dentistry, through the integration of the biomedical sciences and dental and clinical sciences.

NBDE Part I administration has been extended to October 31, 2020, and NBDE Part II administration is expected to cease on July 31, 2022. Students who enroll in dental school in 2019 or later could be eligible to take the INBDE instead of the NBDE Part I, and since the NBDE Part II will not be available after July 31, 2022, students might be required to take the INBDE for certification, depending on the timing of their testing. After students take the INBDE, they will no longer be allowed to take the NBDE Part I or Part II. Each student must qualify to take the National Board Examinations.

The INBDE's retest policy will be the same as the Five Years/Five Attempts retest policy of the NBDE Part I and Part II. During the transition period when students will have the option of taking the NBDE Part II or the INBDE to fulfill the written examination requirement for licensure, the retest policies will remain in effect for both examinations. Students who have had five unsuccessful attempts on the NBDE Part II will still be permitted five attempts on the INBDE. After students have successfully completed the NBDE Part I and Part II or the INBDE with passing scores, they are no longer eligible to take any of the National Board Dental Examinations. If students take only the INBDE, the Five Year/Five Attempts retest policy applies.

Graduation with Honors

Students who graduate with cumulative grade point averages of at least 3.70 will be recognized as follows:

- **cum laude:** 3.700 or higher
 - **magna cum laude:** 3.800 or higher
 - **summa cum laude:** 3.900 or higher
-

DENTISTRY (DMD)

Doctor of Medicine in Dentistry (DMD)

Unit: School of Dentistry (<https://louisville.edu/dentistry/>)
 Program Website (<http://louisville.edu/dentistry/degrees/dmd/>)
 Academic Plan Code(s): DE_ _DMD

Program Information

University of Louisville School of Dentistry (ULSD) offers outstanding clinical education using state-of-the-art simulation and technology. Exposure to biomedical research enhances the dental education experience. ULSD considers students partners in learning and seeks to provide students with the knowledge and skills needed to meet the challenges of today's dental profession. ULSD strives to foster and sustain an exemplary educational community that offers a nurturing and challenging intellectual climate, a respect for the spectrum of human diversity and a genuine understanding of the many differences that enrich a vibrant metropolitan research university.

Degrees Offered:

Doctor of Medicine in Dentistry (DMD)

Dual Degrees:

DMD/PhD
 DMD/MS in Oral Biology
 DMD/MBA

To learn more: louisville.edu/dentistry/degrees (<http://louisville.edu/dentistry/degrees/>).

The DMD program is accredited by The Commission on Dental Accreditation of the American Dental Association (<http://www.ada.org/en/coda/>).

View all School of Dentistry accreditation information (<http://louisville.edu/dentistry/degrees/hygiene/resolveuid/93ee69f4c82f4ab4b91ea9369296feda/>).

DMD Program Curriculum, 2020-2021

First Year (D1)

Course	Title	Hours
Year 1		
Fall		
BMSC 805: Integrated Biomedical Sciences by Body System (Integrated Biomedical Sciences)		6
BMSC 802: Histology		5
CMPD 800	Dental Anatomy and Occlusion (Lecture)	2
CMPD 801	Dental Anatomy and Occlusion Lab	3
CMPD 860	Introduction to Preventive Dentistry	1
DXOH 801	Infection Control	1
CMPD 883	Evidence-Based Decision Making	0.5
OIID 800	Correlated Sciences	1
Hours		19.5
Spring		
BMSC 809	Survey of Dental Gross and Neuroanatomy	7
BMSC 807	Pharmacology and Dental Therapeutics	4
BMSC 804: Biochemistry		5
CMPD 810	Preclinical Operative Dentistry Lecture	2.5
CMPD 811	Preclinical Operative Dentistry (Lab)	3
CMPD 820	Introduction to Clinical Dentistry I ²	2.5
CMPD 870	Growth and Development	1

DXOH 851	Periodontics I	1
DXOH 813	Oral Radiology I	2
Hours		28
Minimum Total Hours		47.5

- 1 Multi-semester (Summer-Fall-Spring) course.
- 2 Multi-semester (Fall-Spring) course.
- 3 Multi-year course.

Second Year (D2)

Course	Title	Hours
Year 2		
Summer		
Summer Session (S1)		
BMSC 806	Microbiology and Immunology	4
DXOH 814	Oral Radiology II	1
DXOH 802	Pain and Anxiety Control	3
Hours		8
Minimum Total Hours		8

Course	Title	Hours
Year 2		
Fall		
DXOH 804	General Pathology	5
CMPD 802	Preclinical Occlusion and TMD	3
DXOH 852	Periodontics II	1
RARD 861	Introduction to Indirect Restorations (Lecture)	2
RARD 862	Introduction to Indirect Restorations (Laboratory)	3
CMPD 845	Preclinical Complete Denture Lecture	1
CMPD 846	Preclinical Complete Denture Laboratory	1.5
CMPD 871	Pediatric Dentistry I	1
Hours		17.5

Spring		
DXOH 803	Oral Pathology	4
CMPD 821	Introduction to Clinical Dentistry II ¹	3
CMPD 812	Preclinical Operative Dentistry II ²	4
CMPD 830	Preclinical Treatment Planning ²	5
DXOH 815	Clinical Oral Radiology ²	1
DXOH 853	Periodontal Modular Learning	2
CMPD 840	Removable Partial Dentures Lecture	1
CMPD 841	Removable Partial Dentures Lab	2.5
RARD 865	Preclinical Fixed Prosthodontics Lecture	1
RARD 866	Preclinical Fixed Prosthodontics Lab	4
RARD 870	Introduction to Implant Dentistry	1
RARD 805	Principles and Techniques of Orthodontics	3
CMPD 873	Preclinical Pediatrics (Lecture and Laboratory)	3
Hours		34.5
Minimum Total Hours		52

- 1 Multi-semester (Summer-Fall-Spring) course.
- 2 Multi-semester (Fall-Spring) course.
- 3 Multi-year course.

Third Year (D3)

Course	Title	Hours
Year 3		
Summer		
Summer Session (S2)		

DXOH 820	Endodontics I (Root Camp)	3
	Hours	3
	Minimum Total Hours	3

Course	Title	Hours
Year 3		
Fall		
CMPD 813	Operative Dentistry III	0.5
DXOH 835	Oral Medicine	3
DXOH 854	Periodontics III	1
RARD 871	Implant Dentistry	1
CMPD 847	Complete Dentures I Lecture	1
CMPD 872	Pediatric Dentistry II	1
OMFS 805	Principles of Oral Surgery I	1
	Hours	8.5

Spring		
DXOH 821	Endodontics II	1
DXOH 822	Clinical Endodontics I ¹	1
CMPD 848	Clinical Complete Dentures I ¹	3
DXOH 830	Dental Clinical Pharmacology	2
CMPD 884	Practice Management I	1
CMPD 831	Clinical Treatment Planning I ¹	3
CMPD 886	National Board Review	1
CMPD 882	Ethical Issues in Dentistry	1
CMPD 875	Care of the Pediatric Special Needs Patient	1
CMPD 876	Concepts in Special Patient Care	1
OMFS 806	Principles of Oral Surgery II	1
OMFS 807	Clinical Oral Surgery I ¹	4
DXOH 816	Advanced Radiologic Interpretation	1
	Hours	21
	Minimum Total Hours	29.5

Code	Title	Hours
Third Year Selectives		
DXOH 856	Advanced Periodontics Elective	0.5
IDSC 861	International Dental Exchange Scholarship Program (Fall)	2
IDSC 874	International Community Dental Service Project (Spring)	2

¹ Multi-semester (Summer-Fall-Spring) course.

² Multi-semester (Fall-Spring) course.

³ Multi-year course.

Fourth Year (D4)

Course	Title	Hours
Year 4		
Fall		
CMPD 885	Practice Management II	3
RARD 809	Clinical Orthodontics ³	2
OMFS 808	Clinical Oral Surgery II	2
OMFS 811	General Medicine in Dentistry	1
	Hours	8
Spring		
CMPD 880	Community Service ³	0.5
CMPD 881	Clinical Extramural Experience ³	4
CMPD 832	Clinical Treatment Planning II ²	2
DXOH 845	Clinical Diagnosis ³	3
CMPD 815	Clinical Operative Dentistry II ¹	6
CMPD 855	Integrated Clinical Sciences II ¹	4

DXOH 823	Clinical Endodontics II ¹	2
DXOH 855	Clinical Periodontics ³	3
CMPD 861	Clinical Preventive Dentistry ³	3
CMPD 849	Clinical Complete Dentures II ¹	2
CMPD 842	Clinical Removable Partial Dentures ³	3
RARD 868	Clinical Fixed Prosthodontics ³	5
CMPD 874	Clinical Pediatric Dentistry ³	3
CMPD 856	Clinical Patient Care in Dentistry ³	8
	Hours	48.5
	Minimum Total Hours	56.5

Code	Title	Hours
Fourth Year Selective		
CMPD 890	Principles of Digital Photography in Dentistry (Fall and Spring)	1
CMPD 803	Advanced Occlusion and Restorative Concepts (Fall and Spring)	1
DXOH 856	Advanced Periodontics Elective (Spring)	0.5
DXOH 824	Advanced Endodontics (Spring)	1
CMPD 899	Preclinical Student Teaching Experience (Fall and Spring)	2-4
IDSC 861	International Dental Exchange Scholarship Program (May award)	2
IDSC 874	International Community Dental Service Project (Spring Break)	2

¹ Multi-semester (Summer-Fall-Spring) course.

² Multi-semester (Fall-Spring) course.

³ Multi-year course.

Coursework by Category

D1 Year Courses

Code	Title	Hours
Biomedical Science Courses		
BMSC 802:	Histology	5
BMSC 804:	Biochemistry	5
BMSC 805:	Integrated Biomedical Sciences by Body System (Integrated Biomedical Sciences)	6
BMSC 809	Survey of Dental Gross and Neuroanatomy	7
BMSC 807	Pharmacology and Dental Therapeutics	4

Code	Title	Hours
Oral Health Sciences Courses		
CMPD 800	Dental Anatomy and Occlusion (Lecture)	2
CMPD 801	Dental Anatomy and Occlusion Lab	3
DXOH 801	Infection Control	1
CMPD 883	Evidence-Based Decision Making	0.5
OIID 800	Correlated Sciences	1
CMPD 820	Introduction to Clinical Dentistry I	2.5
DXOH 813	Oral Radiology I	2
CMPD 810	Preclinical Operative Dentistry Lecture	2.5
CMPD 811	Preclinical Operative Dentistry (Lab)	3
CMPD 870	Growth and Development	1
CMPD 860	Introduction to Preventive Dentistry	1
DXOH 851	Periodontics I	1

D2 Year Courses

Code	Title	Hours
Biomedical Science Courses		
BMSC 806	Microbiology and Immunology	4
Oral Health Sciences Courses		
DXOH 814	Oral Radiology II	1
DXOH 802	Pain and Anxiety Control	3
CMPD 821	Introduction to Clinical Dentistry II	3
DXOH 804	General Pathology	5
DXOH 803	Oral Pathology	4
CMPD 802	Preclinical Occlusion and TMD	3
DXOH 852	Periodontics II	1
RARD 861	Introduction to Indirect Restorations (Lecture)	2
RARD 862	Introduction to Indirect Restorations (Laboratory)	3
CMPD 845	Preclinical Complete Denture Lecture	1
CMPD 846	Preclinical Complete Denture Laboratory	1.5
CMPD 871	Pediatric Dentistry I	1
CMPD 812	Preclinical Operative Dentistry II	4
CMPD 830	Preclinical Treatment Planning	5
DXOH 815	Clinical Oral Radiology	1
DXOH 853	Periodontal Modular Learning	2
CMPD 840	Removable Partial Dentures Lecture	1
CMPD 841	Removable Partial Dentures Lab	2.5
RARD 865	Preclinical Fixed Prosthodontics Lecture	1
RARD 866	Preclinical Fixed Prosthodontics Lab	4
RARD 870	Introduction to Implant Dentistry	1
RARD 805	Principles and Techniques of Orthodontics	3
CMPD 873	Preclinical Pediatrics (Lecture and Laboratory)	3

D3 Year Courses

Code	Title	Hours
Oral Health Sciences Courses		
DXOH 820	Endodontics I	3
CMPD 854	Integrated Clinical Sciences I	4
CMPD 814	Clinical Operative Dentistry I	4.5
CMPD 813	Operative Dentistry III	0.5
DXOH 835	Oral Medicine	3
DXOH 854	Periodontics III	1
RARD 871	Implant Dentistry	1
CMPD 847	Complete Dentures I Lecture	1
CMPD 872	Pediatric Dentistry II	1
OMFS 805	Principles of Oral Surgery I	1
CMPD 831	Clinical Treatment Planning I	3
DXOH 822	Clinical Endodontics I	1
CMPD 848	Clinical Complete Dentures I	3
OMFS 807	Clinical Oral Surgery I	4
DXOH 830	Dental Clinical Pharmacology	2
CMPD 884	Practice Management I	1
CMPD 886	National Board Review	1

CMPD 882	Ethical Issues in Dentistry	1
DXOH 821	Endodontics II	1
CMPD 876	Concepts in Special Patient Care	1
CMPD 875	Care of the Pediatric Special Needs Patient	1
OMFS 806	Principles of Oral Surgery II	1
DXOH 816	Advanced Radiologic Interpretation	1
DXOH 856	Advanced Periodontics Elective (selective)	0.5
RARD 809	Clinical Orthodontics	2
DXOH 845	Clinical Diagnosis	3
DXOH 855	Clinical Periodontics	3
CMPD 861	Clinical Preventive Dentistry	3
CMPD 842	Clinical Removable Partial Dentures	3
RARD 868	Clinical Fixed Prosthodontics	5
CMPD 874	Clinical Pediatric Dentistry	3
CMPD 856	Clinical Patient Care in Dentistry	8

D4 Year Courses

Code	Title	Hours
Oral Health Sciences Courses		
CMPD 880	Community Service	0.5
CMPD 881	Clinical Extramural Experience	4
CMPD 855	Integrated Clinical Sciences II	4
CMPD 815	Clinical Operative Dentistry II	6
CMPD 885	Practice Management II	3
OMFS 808	Clinical Oral Surgery II	2
OMFS 811	General Medicine in Dentistry	1
RARD 809	Clinical Orthodontics	2
CMPD 832	Clinical Treatment Planning II	2
DXOH 823	Clinical Endodontics II	2
CMPD 849	Clinical Complete Dentures II	2
CMPD 890	Principles of Digital Photography in Dentistry (selective)	1
CMPD 899	Preclinical Student Teaching Experience (selective)	2-4
CMPD 803	Advanced Occlusion and Restorative Concepts (selective)	1
DXOH 856	Advanced Periodontics Elective (selective)	0.5
DXOH 824	Advanced Endodontics (selective)	1
DXOH 845	Clinical Diagnosis	3
DXOH 855	Clinical Periodontics	3
CMPD 861	Clinical Preventive Dentistry	3
CMPD 874	Clinical Pediatric Dentistry	3
RARD 868	Clinical Fixed Prosthodontics	5
CMPD 842	Clinical Removable Partial Dentures	3
CMPD 856	Clinical Patient Care in Dentistry	8

The Doctor of Medicine in Dentistry (DE DMD) program prepares students to meet the requirements for certification and/or licensure. If you plan to pursue professional licensure or certification you should first determine your state's criteria for examination and licensure to see how/if our program meets those requirements prior to enrollment. We recommend that you also contact your state's licensing board directly to verify that the requirements have not changed recently and to answer any questions especially those regarding additional requirements beyond the degree.

More information about certification or licensure is available at the following website: <https://louisville.edu/oapa/licensure-information> (<https://louisville.edu/oapa/licensure-information/>) (you may search by school or by the name of the program then click on 'View Details' to display the information).

DMD COURSES

Course Index for the DMD Program

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee/>).

B

- Basic Medical Sciences (BMSC) (p. 29)

C

- Comprehensive Dentistry (CMPD) (p. 30)

D

- Diagnosis & Oral Health (DXOH) (p. 37)

I

- Interdisciplinary Studies (IDSC) (p. 40)

O

- Oral & Maxillofacial Surgery (OMFS) (p. 41)
- Oral Biology (OBIO) (p. 42)
- Oral Immunology & Infectious Diseases (OIID) (p. 43)

R

- Rehabilitative & Reconstructive Dentistry (RARD) (p. 45)

Basic Medical Sciences (BMSC)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee/>).

BMSC 802. Histology

2-5 Units

Description: The purpose of this course is for students to learn the structure and basic function of cells, tissues, organs and organ systems. We will begin with a description and discussion of cells that comprise the four basic tissues in the human body. Then, we'll move on to specific organ systems culminating with a detailed study on the oral cavity including the mineralized and soft tissues components. Students will be able to describe and identify the microscopic features and functions of cells, tissues, organs, and organ systems. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

BMSC 804. Biochemistry

5 Units

Description: Covers the fundamentals of biochemistry and molecular biology with special emphasis given to areas applicable to dentistry. Topics include cell biology, chemical principles of biological systems and the structure, function and metabolism of amino acids, proteins, carbohydrates, lipids and nucleic acids. Clinical correlates include sickle cell anemia and hemoglobinopathies, blood clotting disorders, collagen diseases, diabetes, nutritional disorders, diseases of amino acid and lipid metabolism, molecular basis of genetic diseases. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

BMSC 805. Physiology

6 Units

Description: This course provides an in depth view of the fundamental principles concerning function of the circulatory, respiratory, kidney, endocrine, gastrointestinal, muscle, and central nervous systems. Emphasis is placed on physiologic mechanisms for feedback control of function in humans. Overall, this course offers a strong physiology background as a science basis for clinical dentistry. It will consist of didactic lectures and readings from the course lecture notes. All dental students will take this course on a letter grade basis. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

BMSC 806. Microbiology and Immunology

4 Units

Description: This is a general course on infectious diseases of high relevance to those in the field of dentistry. Special emphases are placed on oral infections, immunity, treatment, and microbial resistance mechanisms. Specific topics include the human immune response, pathogenesis of common microbial infections, and the microbiological and biochemical basis of oral, head, and neck infections, periodontal diseases, and cariogenesis. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

BMSC 807. Pharmacology and Dental Therapeutics

4 Units

Description: The Pharmacology and Dental Therapeutics course is designed to provide broad pharmacokinetic and pharmacodynamic principles towards for the major drug groups utilized in dentistry by health care providers and their patients. The course content emphasizes mastery of the principles required for life-long learning of both current and yet to be released drugs to ensure appropriate therapeutic utilization that maximizes efficacy and minimizes toxicity in each individual patient. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

BMSC 809. Survey of Dental Gross and Neuroanatomy 7 Units

Prerequisite(s): Enrollment in the School of Dentistry This course is designed for first-year dental students.

Description: The primary goal of the course is to introduce clinically-oriented gross anatomical principles and foster critical thinking skills necessary for students to utilize their anatomical knowledge to evaluate the health of patients and to solve clinical problems. Anatomical donor dissection is the focal point of all teaching activities, allowing students to develop a three-dimensional/functional appreciation for the relationships of the various structures in each anatomical region.

Note: Cross-listed with ASNB 672.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

Comprehensive Dentistry (CMPD)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee/>).

CMPD 800. Dental Anatomy and Occlusion 2 Units

Term Typically Offered: Fall Only

Description: Dental Anatomy is a preclinical course comprised of a lecture series designed to familiarize D1 students with the general anatomical characteristics of the human oral cavity. The external and internal crown and root morphology of both permanent and primary dentitions is presented in detail. The relationship of anatomical features of teeth to the practice of clinical dentistry is stressed throughout the course. Emphasis is placed on the function of occluding surfaces and the relationships of external crown form to prevention of periodontal disease and dental caries.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

CMPD 801. Dental Anatomy and Occlusion Lab 3 Units

Term Typically Offered: Fall Only

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

CMPD 802. Preclinical Occlusion and TMD 3 Units

Term Typically Offered: Fall Only

Description: This course is designed to present the terminology and basic concepts in occlusion, mandibular movement, and TMJ disorders. Emphasis is on the etiology, examination, diagnosis, and treatment of occlusal abnormalities, temporomandibular joint disturbances, and neuromuscular dysfunction. Clinical experience in these areas is included.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

CMPD 803. Advanced Occlusion and Restorative Concepts 1 Unit

Grading Basis: Pass/Fail

Term Typically Offered: Fall, Spring

Description: Advanced occlusal concepts with an emphasis on restorative concerns will be a major focus of the class. The course will be a discussion led towards clinical usage and applications. Critical thinking, clinical analysis and group discussions will be moderated by the course director. The class will be kept to a small size for maximum effectiveness in a small group learning atmosphere.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

CMPD 810. Preclinical Operative Dentistry Lecture 2.5 Units

Term Typically Offered: Spring Only

Prerequisite(s): CMPD 800.

Description: A pre-clinical course comprised of a lecture series designed to familiarize D1 students with the terminology, materials, and instruments used in operative dentistry; principles of cavity preparation for amalgam, resin composite, and glass ionomer manipulation, placement, and finishing; and pulp protection. Dental Anatomy and Occlusion principles are applied to operative dentistry.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

CMPD 811. Preclinical Operative Dentistry (Lab) 3 Units

Term Typically Offered: Spring Only

Prerequisite(s): CMPD 810.

Description: The laboratory series is designed to introduce the D1 student to the basic theory and techniques used in Operative Dentistry. Emphasis is place on preservation of tooth structure from further destruction by dental disease. Technical skills in the placement of composite resin and amalgam restorations are developed.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

CMPD 812. Preclinical Operative Dentistry II 4 Units

Term Typically Offered: Spring Only

Prerequisite(s): CMPD 800, CMPD 801, and CMPD 811.

Description: Consists of a lecture and laboratory series that is designed to introduce the D2 dental students to the theory and techniques used in advanced direct restorative dentistry. The study of the physical properties, manipulation, and chemistry of the dental materials utilized is included. Emphasis is placed on preservation of tooth structure from further destruction by dental disease while utilizing advanced retentive techniques for large direct restorations. Technical skills and advanced retentive methods used in the placement of composite resin and amalgam restorations are developed. Course teaches techniques to include pins, slots and multi-cusp replacement for both anterior and posterior applications. Designed to augment the base knowledge obtained from pre-clinical operative dentistry course and represent the majority of direct operative procedures that will be encountered following the removal of advanced carious lesions.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

- CMPD 813. Operative Dentistry III** **0.5 Units**
Term Typically Offered: Fall Only
Description: Lecture series correlated with clinical experience obtained in the D3 year. Basic operative procedures are related to clinical treatment of patients. Clinical variations of basic operative procedures and advanced techniques are introduced. Literature in dental materials and operative dentistry are reviewed. New materials and treatment options that are being introduced into the field will also be discussed. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- CMPD 814. Clinical Operative Dentistry I** **4.5 Units**
Term Typically Offered: Spring Only
Description: Course provides experience in the operative dentistry clinics enabling the student to obtain clinical experience providing operative dentistry treatment to patients. Basic procedures mastered in the pre-clinical laboratory and auxiliary retention courses are practiced in a clinical environment. As students progress, clinical variations are introduced and more advanced operative procedures are mastered. Students will be evaluated on their knowledge and application of operative dentistry, dental materials, evidence-based literature, critical thinking, treatment rational and skill proficiency. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- CMPD 815. Clinical Operative Dentistry II** **6 Units**
Term Typically Offered: Spring Only
Description: Course provides experience in the operative dentistry clinics enabling the student to obtain clinical experience providing operative dentistry treatment to patients. Basic procedures mastered in the pre-clinical laboratory and auxiliary retention courses are practiced in a clinical environment. As students progress, clinical variations are introduced and more advanced operative procedures are mastered. Students will be evaluated on their knowledge and application of operative dentistry, dental materials, evidence-based literature, critical thinking, treatment rational and skill proficiency. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- CMPD 820. Introduction to Clinical Dentistry I** **2.5 Units**
Term Typically Offered: Spring Only
Description: This course serves to introduce the first year dental students to the School of Dentistry's clinical operations with special attention to alginate impressions, pouring casts, critical thinking, oral health and preventive dentistry. Emphasis will be placed on systemically cultivated excellence in thought. The course includes a wide variety of lectures and activities in many areas of the Dental School. Exercises may include pre-clinical and clinical exercises including treating standardized patients. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- CMPD 821. Introduction to Clinical Dentistry II** **3 Units**
Term Typically Offered: Spring Only
Description: This course serves to introduce the student to the ULSD's clinical operations with special attention to the delivery of care to patients in the school's comprehensive care and admissions clinic. Will include dental auxiliary utilization (DAU) and dental practice ergonomics exercises with a wide variety of lectures and activities in many areas of the dental school. There are several clinical exercises that review rubber dam placement, prepping and restoring class I and II amalgams and Class III composites, and performing a hard and soft tissue exam. All preclinical and clinical exercises will require students to complete a PARTS note, update and review medical history in axiUm, use correct CDT codes for every treatment procedure completed and to practice appropriate ULSD infection control practices. Students will also receive training and assignments using axiUm, which is the ULSD's clinic management system. This course will also integrate an education module on culturally and linguistically appropriate care in order to fulfill the first part of the ULSD Cultural Competency. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- CMPD 830. Preclinical Treatment Planning** **5 Units**
Term Typically Offered: Spring Only
Description: The Preclinical Treatment Planning course provides foundation knowledge in comprehensive treatment planning, prognosis, and informed consent. Patient assessment techniques are introduced that build on the foundation knowledge that students have obtained in previous didactic and preclinical courses. These techniques illustrate how to determine the patient's chief complaint, how to identify and manage urgent treatment needs, and provide a treatment environment that allows free communication between provider and patient. Techniques are introduced to: 1) analyze the results of diagnostic data collection in order to arrive at a definitive diagnosis; 2) utilize data from the assessment and diagnosis to develop a sequential plan of treatment, addressing urgency of treatment needs and acknowledgement of the patient's chief concerns; 3) develop a prognosis of treatment choices with a consideration of the patient's dental values and motivation based on patient assessment data such as caries risk and oral hygiene skills; and 4) provide an environment for the patient to provide informed consent. Methods are presented to illustrate to the patient the nature and severity of their disease, the causative factors leading to their disease, the alternatives to treatment, possible complications of treatment, and the risks and benefits of treatment choices. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- CMPD 831. Clinical Treatment Planning I** **3 Units**
Term Typically Offered: Spring Only
Description: Synthesis of treatment modalities for direct patient care with emphasis on collation of all pertinent facts. Patient management and case presentation techniques are utilized in a primary care setting. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

<p>CMPD 832. Clinical Treatment Planning II 2 Units</p> <p>Term Typically Offered: Spring Only</p> <p>Description: This course offers D4 students the opportunity to continue their experiences in treatment planning with their assigned comprehensive care patients. Patient management and case presentation techniques are utilized in a primary care setting. D4 students present their assessment of the patient's diagnostic data to their Group Manager, discussing evidence-based treatment options and appropriate specialty consultations. After obtaining any needed consultations, the D4 student presents the comprehensive treatment plan to the patient under the supervision of the Group Manager. Students formulate an individualized treatment plan with appropriate preventive measures, and refer patients to a dental specialist if treatment needs are beyond the scope of treatment for a general practitioner. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>CMPD 845. Preclinical Complete Denture Lecture 1 Unit</p> <p>Term Typically Offered: Fall Only</p> <p>Description: This course is designed to provide instruction regarding complete denture prosthodontic procedures and aims to provide the student with fundamental concepts and the "how to" of procedures as related to the fabrication of the complete dentures. Concepts of complete dentures are reviewed and then applied to the fabrication of complete dentures in the preclinical lab course. The knowledge and skills developed in this course and the correlating lab course will be the basis for treatment of completely edentulous patients in the clinic.</p> <p>Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>CMPD 840. Removable Partial Dentures Lecture 1 Unit</p> <p>Term Typically Offered: Spring Only</p> <p>Description: This course will have lectures that will be carried twice a week to cover the basic principles of Removable Partial Denture (RPD) Diagnosis and treatment planning. It will also cover RPD components, classification, biomechanics and design. Additionally, the course is designed to give students complete understanding of all clinical and laboratory steps involved in treatment of patients with RPD which will include understanding of all instrumentarium and the necessary skills needed to perform clinical and laboratory steps. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>CMPD 846. Preclinical Complete Denture Laboratory 1.5 Units</p> <p>Term Typically Offered: Fall Only</p> <p>Description: Introduction to the laboratory and clinical aspects of complete denture procedures are taught. The laboratory course will apply the concepts taught in the companion lecture course and is designed to teach the student the techniques used in the fabrication of complete dentures. The students will learn the laboratory techniques involved in the construction of maxillary and mandibular complete dentures on an edentulous dentoforn patient.</p> <p>Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>CMPD 841. Removable Partial Dentures Lab 2.5 Units</p> <p>Term Typically Offered: Spring Only</p> <p>Description: Seminars and laboratory supervision are offered so the student will learn how to apply those principles and techniques presented concurrently in the lecture series. Laboratory projects are assigned to prepare the student to make diagnostic impressions, construct custom trays, fabricate record bases and occlusion rims, and mount a case for diagnosis. Casts of clinic patients are issued for survey and design activities. Critical thinking practical exams are given on these activities. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>CMPD 847. Complete Dentures I Lecture 1 Unit</p> <p>Term Typically Offered: Fall Only</p> <p>Description: This is a lecture course on the clinical aspects of complete dentures. Techniques for diagnosis, impression techniques, obtaining records, selecting teeth, occlusal schemes, patient try-in, delivery, and adjustments are discussed prior to the patient appointment. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>CMPD 842. Clinical Removable Partial Dentures 3 Units</p> <p>Term Typically Offered: Spring Only</p> <p>Description: This course involves the experiences in clinical removable partial dentures. Students are expected to successfully treat patients with a variety of removable partial denture needs during clinical time. Clinical sessions are offered so the student can apply and reinforce knowledge gained from the pre-clinical course and lectures. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>CMPD 848. Clinical Complete Dentures I 3 Units</p> <p>Term Typically Offered: Spring Only</p> <p>Description: This course provides instruction regarding complete dentures prosthodontic procedures and is designed to instruct the student on the "how to" procedures to fabricate complete dentures in a clinical setting. The student will do all the procedures leading up to delivery of a CD. Adjustments will be done until the patient is lesion free. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>

- CMPD 849. Clinical Complete Dentures II** 2 Units
Term Typically Offered: Spring Only
Description: This course offers patient treatment experience. The student will work toward competency in constructing a complete denture on a patient. The patient will be treated until the student completes and adjusts the prosthesis and the patient is lesion free. Evaluation of the student for competency will be measured. Additional prosthesis may be assigned in order to have the student display competency.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- CMPD 850. Foundations of Behavioral Science in Dentistry I** 1 Unit
Term Typically Offered: Spring Only
Description: This is the first of a two preclinical course sequence in Foundations of Behavioral Science in Dentistry. This course incorporates foundational topics relevant to patient presentation, care and outcomes integral to the practice of comprehensive dentistry. Students will acquire formative knowledge and skills in the areas of demographic psychosocial, cultural and contextual factors relevant to the practice of patient centered Evidence-Based Dentistry.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- CMPD 854. Integrated Clinical Sciences I** 4 Units
Term Typically Offered: Spring Only
Description: Integrated Clinical Sciences I and II courses introduces third-year dental students, and reinforces and deepens fourth-year dental students' skills and abilities with the respect, to the School of Dentistry's philosophy of evidence-based patient-centered care. Through an integrated and systematic curriculum that includes patient care management, standards of professionalism, case presentation and related activities, peer to peer interaction, self- assessment and skill development, students will be prepared as effective oral healthcare providers who utilize scientifically-based practices and patient-centered approaches. There will be a strong focus on active learning and critical thinking that promotes students' abilities to integrate their learning across multiple disciplinary areas, especially those related to foundation sciences. Students' ongoing progress will be assessed using a variety of avenues that include classroom assessment techniques, journaling, and reporting about patient care progress resulting in students' ability to be more effective, reflective, and self-directed learners.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- CMPD 855. Integrated Clinical Sciences II** 4 Units
Term Typically Offered: Spring Only
Description: Integrated Clinical Sciences I and II courses introduces third-year dental students, and reinforces and deepens fourth-year dental students' skills and abilities with the respect, to the School of Dentistry's philosophy of evidence-based patient-centered care. Through an integrated and systematic curriculum that includes patient care management, standards of professionalism, case presentation and related activities, peer to peer interaction, self- assessment and skill development, students will be prepared as effective oral healthcare providers who utilize scientifically-based practices and patient-centered approaches. There will be a strong focus on active learning and critical thinking that promotes students' abilities to integrate their learning across multiple disciplinary areas, especially those related to foundation sciences. Students' ongoing progress will be assessed using a variety of avenues that include classroom assessment techniques, journaling, and reporting about patient care progress resulting in students' ability to be more effective, reflective, and self-directed learners.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- CMPD 856. Clinical Patient Care in Dentistry** 8 Units
Term Typically Offered: Spring Only
Description: This multiple year course is designed to focus on aspects of the patient-centered comprehensive care model at ULSD. Student participation in patient care in the comprehensive care clinics and the rotational activities in specialty and external clinics is an important components of a comprehensive care program. Values will be assigned to every procedure that the students accomplishes for every patient. This system encourages students to treat patients based on their individual needs and not picking procedures or patients based solely on course needs. This course will also serve as a mechanism to assure that ULSD patients are receiving best practices care and not care related to quantitative requirements.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- CMPD 860. Introduction to Preventive Dentistry** 1 Unit
Term Typically Offered: Fall Only
Description: This is a graded course for the incoming students. It is a preliminary approach to the etiology and pathogenesis of dental caries and periodontitis with discussions of salivary physiology, caries risk assessment, OTC preventive products, prescription RX preventive products, nutrition and oral health throughout the life span, and clinical applications of fluoride.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- CMPD 861. Clinical Preventive Denistry** 3 Units
Term Typically Offered: Spring Only
Prerequisite(s): Freshman course in Preventive Dentistry.
Description: Students will demonstrate proficiency in treatment planning the preventive needs of the patient, additionally they will demonstrate counseling in oral hygiene, tobacco use intervention and diet. They will demonstrate knowledge of the appropriate use of fluorides and hygiene tools.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

- CMPD 863. Clinical Grand Rounds, First Year DMD Students** 1 Unit
Grading Basis: Pass/Fail
Term Typically Offered: Spring Only
Description: Grand Rounds is a seminar course that holds the promise of connecting what you are learning through your four years of dental school and to life beyond dental school. Focus on critical thinking, developing problem-solving and life-long learning skills, reinforce appraisal of information, the respect of patient values and interdisciplinary decision-making for evidence-based patient treatment. Grand Round Teams are comprised of 4 students, each at a different stage in DMD education—one D1, D2, D3 and D4—randomly selected from within the same clinical team. The Fourth year DMD students will be the team leader.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- CMPD 864. Clinical Grand Rounds, Second Year DMD Students** 1 Unit
Grading Basis: Pass/Fail
Term Typically Offered: Spring Only
Description: Grand Rounds is a seminar course that holds the promise of connecting what you are learning through your four years of dental school and to life beyond dental school. Focus on critical thinking, developing problem-solving and life-long learning skills, reinforce appraisal of information, the respect of patient values and interdisciplinary decision-making for evidence-based patient treatment. Grand Round Teams are comprised of 4 students, each at a different stage in DMD education—one D1, D2, D3 and D4—randomly selected from within the same clinical team. The Fourth year DMD students will be the team leader.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- CMPD 865. Clinical Grand Rounds, Third Year DMD Students** 1 Unit
Term Typically Offered: Spring Only
Description: Grand Rounds is a seminar course that holds the promise of connecting what you are learning through your four years of dental school and to life beyond dental school. Focus on critical thinking, developing problem-solving and life-long learning skills, reinforce appraisal of information, the respect of patient values and interdisciplinary decision-making for evidence-based patient treatment. Grand Round Teams are comprised of 4 students, each at a different stage in DMD education—one D1, D2, D3 and D4—randomly selected from within the same clinical team. The Fourth year DMD students will be the team leader.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- CMPD 866. Clinical Grand Rounds, Fourth Year DMD Students** 1 Unit
Term Typically Offered: Spring Only
Description: Grand Rounds is a seminar course that holds the promise of connecting what you are learning through your four years of dental school and to life beyond dental school. Focus on critical thinking, developing problem-solving and life-long learning skills, reinforce appraisal of information, the respect of patient values and interdisciplinary decision-making for evidence-based patient treatment. Grand Round Teams are comprised of 4 students, each at a different stage in DMD education—one D1, D2, D3 and D4—randomly selected from within the same clinical team. The Fourth year DMD students will be the team leader.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- CMPD 870. Growth and Development** 1 Unit
Term Typically Offered: Spring Only
Description: This course will introduce the D1 dental student to the anatomical, physiological and psycho-social factors associated with the growth and development of humans. Early human development with emphasis on the oral structures up to the adolescent years. It will also demonstrate the application of this basic information during the treatment of children, adolescents and adult patients in the general practice of dentistry.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- CMPD 871. Pediatric Dentistry I** 1 Unit
Term Typically Offered: Fall Only
Description: This lecture course presents a brief introduction to the Pediatric Dentistry Clinic designed to give the basic knowledge and clinical skills necessary for management of the simplest and most basic pediatric patient needs. This will include an introduction to the Pediatric Dentistry Clinic and its forms, procedures, treatment planning and case presentation pertinent to dentistry for children, pediatric oral radiology, operative dentistry, preventive techniques and theories, pulp therapy and an overview of what to expect encountering the personality of the child patient.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- CMPD 872. Pediatric Dentistry II** 1 Unit
Term Typically Offered: Spring Only
Description: Lecture course covering the topics included in Pediatric Dentistry I in more depth and also covers space management, oral trauma, pediatric periodontics and oral surgery, and emergency management. This course concludes with case presentations designed to bring together previous course work and solidify preparation for the National Boards. The course overlaps the students' first pediatric dentistry clinical rotation and will give you the opportunity to put this information to good use. Objectives are given for each lecture as an aid in preparing for examinations. There are pre-class reading assignment responsibilities. Each week you will be given a reading assignment that should be read prior to class time.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

- CMPD 873. Preclinical Pediatrics (Lecture and Laboratory)** 3 Units
Term Typically Offered: Spring Only
Description: This Pediatric Preclinical lecture /lab course is designed to provide specific didactic and technical knowledge to improve student's psychomotor skills previous exposure to the clinical setting. During the lectures and practical laboratory sessions, the student will receive concepts in preventive dentistry procedures such as sealants and preventive resin restorations, common operative dentistry in primary teeth, such as Class II and Stainless Steel Crowns tooth prep and crown adaptation. The student will recognize space maintainer's types, design and fabrication of a band and loop appliance as well as to apply critical thinking process to provide diagnosis and alternative pulp therapy treatments options including a pulpotomy procedure in a primary molar. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- CMPD 874. Clinical Pediatric Dentistry** 3 Units
Term Typically Offered: Fall Only
Description: The Clinical Pediatric Dentistry course is completed on a block assignment rotation basis. A rotation schedule is provided. On completion of this course a student should feel confident about patient management, diagnosis, treatment plan and comprehensive dental care for the child patient. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- CMPD 875. Care of the Pediatric Special Needs Patient** 1 Unit
Grading Basis: Pass/Fail
Term Typically Offered: Spring Only
Description: The American Academy of Pediatric Dentistry defines Special Health Care Needs to include any physical, developmental, mental sensory, behavioral, cognitive or emotional impairment of limiting condition that requires medical management, health care intervention, and/or use of specialized services or programs. The condition may be congenital, developmental, or acquired through disease, trauma, or environmental cause. Health care for individuals with special needs requires specialized knowledge acquired by additional training, as well as increased awareness and attention, adaptation, and accommodative measures beyond what are considered routine. The 3rd year dental students receive didactic and clinical instruction. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- CMPD 876. Concepts in Special Patient Care** 1 Unit
Term Typically Offered: Spring Only
Description: This course will provide the third-year dental student with instruction in basic concepts pertinent to the provision of dental care to several unique, medically-complex patient populations, which may be encountered in contemporary dental practice ? a constellation of populations commonly referred to as patients with special needs. Special attention is focused on the adult patient with intellectual and developmental disabilities (IDD). Concepts presented will address special patient care in a variety of clinical settings, including the dental operator, the intermediate care facility (ICF), the operating room and the psychiatric hospital, and will stress the importance of an interdisciplinary approach to patient-centered care. Satisfactory completion of the course is required before assignment to the special care service rotation in the fourth year. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- CMPD 880. Community Service** 0.5 Units
Grading Basis: Pass/Fail
Term Typically Offered: Fall Only
Description: This 3-year course provides the student dentist with the opportunity to participate in a wide range of service learning community activities. In so doing, it affords the student an opportunity to learn more about the community in which he or she is living and working, as well as to experience the responsibility of the health care professional in terms of community engagement. Successful educational outcomes in management of community dentistry are demonstrated by the new dentist's ability to self-assess and describe an active role in promoting oral health in the community.
Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- CMPD 881. Clinical Extramural Experience** 4 Units
Grading Basis: Pass/Fail
Term Typically Offered: Fall Only
Description: Students in good academic standing are required to complete a four week experience in dental sites throughout the Commonwealth of Kentucky and in other states. A variety of possible sites include rural and urban private practices, public and private clinics, hospital settings and Indian reservations. Besides performing clinical work, students are expected to describe practice management systems and to investigate the interrelationships of the health care system with the community. The instructional mode is Community-Based Learning (CBL).
Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

<p>CMPD 882. Ethical Issues in Dentistry 1 Unit</p> <p>Term Typically Offered: Spring Only</p> <p>Description: Both dental students and practicing health professionals are often called upon to make critical decisions which require discernment in the balancing potential harms and benefits of a particular treatment in the clinical setting. The aim of this course is to help prepare the student for practice by presenting both ethical issues that occur frequently in dentistry, and a set of bioethical principles commonly used in U.S. healthcare that provide a framework for analysis of the ethical complexities of patient care. Reasoning through these ethical issues creates familiarity with the principles, which are also endorsed by the ADA and the American College of Dentists, and provides students with guidance for dealing successfully with patients, peers, and society. Another goal of this course is to increase student awareness of the concepts of professionalism and social responsibility, and to assist the student with learning skills for providing care for a diverse population of patients.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>CMPD 885. Practice Management II 3 Units</p> <p>Term Typically Offered: Fall Only</p> <p>Description: The goal of this course is to present and discuss specific topics in the management of a dental practice. Students are expected to draw on examples and experiences encountered while on extramural rotation. This is the capstone practice management course for dental students. The course describes business principles and how they are applied in a typical general dental practice. Teams of students also operate a computer-simulated dental practice. Classroom activities support the concepts that govern the computer simulation and material in the text. The final summative assessment is the student successfully operating a computer simulation practice.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>CMPD 883. Evidence-Based Decision Making 0.5 Units</p> <p>Grading Basis: Pass/Fail</p> <p>Term Typically Offered: Fall Only</p> <p>Prerequisite(s): DMD student.</p> <p>Description: Evidence-Based Decision Making is the use of the best available evidence together with a clinician's expertise and a patients values and preferences in making health care decisions. Students will develop skills for identifying, searching for, and interpreting the results of the best scientific evidence. Students will be introduced to the behavioral sciences aspects of shared decision making in which they integrate the scientific evidence with their particular clinical skill set and the patient's unique values and circumstances to develop together patient care decisions. As its best, this process involves presentations of accurate information about alternate strategies, including no treatment, in an unbiased fashion so that individual preferences and values can be integrated with science.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>CMPD 886. National Board Review 1 Unit</p> <p>Grading Basis: Pass/Fail</p> <p>Term Typically Offered: Spring Only</p> <p>Description: This Board Review Course is a self-paced online course that is designed to prepare students for the new Integrated National Board Dental Examination (INBDE). The exam preparation online questions will focus more on the decision-making process relevant to the safe practice of dentistry through the integration of the basic sciences and dental and clinical sciences. Students are encouraged to use multiple modalities and BoardVitals (now accessible form the School of Dentistry portal on the Kornhauser Library website under Essential Resources for Dentistry) to prepare for the course final mock board exam. In order to receive the required approval from the Associate Dean of Academic Affairs to register for the national board exam, the student must successfully pass the final mock (written) exam for this course. Progression through the online course questions will be tracked and must be completed prior to challenging the final mock board exam.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>CMPD 884. Practice Management I 1 Unit</p> <p>Term Typically Offered: Spring Only</p> <p>Description: This course presents basic business management concepts as applied to a dental practice. The content is tailored to prepare the student for his/her extramural rotation in which practice management is a component.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>CMPD 887. Professionalism & Ethics Fundamentals 1 Unit</p> <p>Term Typically Offered: Fall Only</p> <p>Description: The goal of this course is to increase student awareness and application of the concepts of professionalism and social responsibility, and to assist the student with acquiring knowledge, skills and judgement for providing care for a diverse population of patients. This course will help prepare the students with bioethical principles used in healthcare when engaged in patient centered care.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>

<p>CMPD 890. Principles of Digital Photography in Dentistry 1 Unit Grading Basis: Pass/Fail Term Typically Offered: Fall, Spring Prerequisite(s): 4th Year Course. Description: With the Bio informatics becoming the tool of communication in the medical field, and with having the digital tools and knowing how to use it; sharing the information and obtaining consults should become very easy. For that reason this hands-on course was developed with the following outlines: This course is a combination of lecture/hands-on portions. Lectures will focus on covering the basics of dental photography and the multiple set ups, techniques, various standard views, photography of instruments, casts, X rays and documents, and the different techniques to obtain valid photographs. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p> <p>CMPD 899. Preclinical Student Teaching Experience 2-4 Units Grading Basis: Pass/Fail Term Typically Offered: Fall, Spring Prerequisite(s): B or better in preclinical courses. Description: Provide senior dental students with practical teaching experiences in an environment in which they are comfortable and familiar. Foster an interest in academic dentistry to help fulfill a need in the area of dentistry. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p> <p>CMPD 910. General Practice Residency 0 Units Grading Basis: Pass/Fail Term Typically Offered: Fall, Spring Description: Hospital-based one-year dental residency program. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p> <p>CMPD 920. Advanced Education in Pediatric Dentistry 9 Units Grading Basis: Pass/Fail Term Typically Offered: Fall, Spring Description: Postgraduate education in Pediatric Dentistry For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>DXOH 801. Infection Control 1 Unit Term Typically Offered: Fall Only Description: This course introduces the infection and hazard control procedures necessary for the safe practice of dentistry. Topics include microbiology, practical infection control, sterilization and monitoring, chemical disinfectants, aseptic technique, infectious diseases, CDC Guidelines and OSHA standards. Upon completion, students should be able to understand infectious diseases, disease transmission, infection control procedures, biohazard management, OSHA standards and CDC Guidelines. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p> <p>DXOH 802. Pain and Anxiety Control 3 Units Term Typically Offered: Fall Only Description: Students acquire an understanding of pain and the principles of pain as related to the treatment of patients. Competency is gained in the techniques of pain control, especially those of local anesthesia. Evaluation of the physical/mental/emotional status of the patient and determination of the proper pain control technique and its correlation with patient status and treatment procedure are stressed. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p> <p>DXOH 803. Oral Pathology 4 Units Term Typically Offered: Spring Only Description: This course introduces the student to diseases and conditions that affect the oral mucosa, maxillofacial complex and surrounding skin. The first part of the course is structured around mucosal and mucocutaneous disease. Part two consists of conditions that affect hard tissue (bone and teeth). Part three re-assembles the conditions clinically, rather than by chapters, enabling students to use their knowledge base in a differential diagnosis format to solve problems, direct management and make diagnoses. Also included in section 3 is the rationale for biopsy and other adjuncts in diagnosis. A 2-hour section on person abuse is also included. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p> <p>DXOH 804. General Pathology 5 Units Term Typically Offered: Fall Only Description: This course is designed to prepare the dentist in the essential role of doctor and specialist of the oral cavity; i.e., one who recognizes, diagnoses and treats oral disease and systemic diseases which affect the oral cavity. Pathology deals with the alternations in anatomy, histology, physiology and biochemistry encountered in disease. It also include etiology (cause), pathogenesis (mechanism of disease development), pathophysiology (how alterations of diseased tissue affect body functions), clinical features (signs and symptoms), diagnosis, course and outcome (prognosis of disease). For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
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Diagnosis and Oral Health (DXOH)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee/>).

DXOH 813. Oral Radiology I	2 Units	DXOH 816. Advanced Radiologic Interpretation	1 Unit
Term Typically Offered: Spring Only		Term Typically Offered: Spring Only	
Description: This didactic course in Oral and Maxillofacial Radiology provides the student with the fundamental principles for the safe and effective use of radiation for diagnostic imaging in Dentistry. Students will be introduced to concepts in five domains: Radiation Physics, Radiation Biology, Dental Imaging Modalities, Imaging Selection Criteria, Digital Imaging and Picture Archiving and Communications (PACS) software use. The course will provide opportunities for critical thinking by applying knowledge and concepts to real-life clinical situations. Students will develop skills to help them solve scenarios that require the integration of multiple contexts when applying patient care. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)		Description: This seminar and case-based course presents a series of topics enabling students to identify, describe and interpret the radiologic features of various disease processes affecting the jaws, temporomandibular joint and maxillary sinuses likely to be encountered in general dental practice including developmental, trauma, inflammation, and neoplasia. The principles of management based on developing a differential radiographic diagnosis will be presented and the appropriate use of advanced imaging in dentistry demonstrated. Recent innovations in diagnostic imaging and evolving radiation safety concepts will be presented. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)	
DXOH 814. Oral Radiology II	1 Unit	DXOH 820. Endodontics I	3 Units
Term Typically Offered: Fall Only		Term Typically Offered: Fall Only	
Description: The course comprises an intensive didactic component and a follow up pre-clinical simulated clinical experience encompassing the fundamental intra- and extraoral principles and best practices fundamental to contemporary oral and maxillofacial radiography. Lectures will introduce panoramic and periapical image formation principles, normal radiographic anatomy and intra- and extra-oral imaging techniques. Students will also learn radiographic quality control principles. Clinical activities provide opportunities for the student to apply their knowledge and develop skills in radiographic technique necessary to produce images of diagnostic quality essential to radiologic interpretation. The course will develop critical thinking skills to solve real-life clinical situations that require the integration of multiple contexts when applying patient care. Technical proficiency in basic radiography is developed working on manikins. Under direct supervision these skills are adapted to the clinical situation. This laboratory/clinic must be completed prior to enrollment in Clinical oral Radiology. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)		Description: Endodontics is the branch of dentistry concerned with the morphology, physiology, and pathology of the human dental pulp and periradicular tissues. Its study and practice encompass the basic clinical sciences including biology of the normal pulp; the etiology, diagnosis, prevention and treatment of diseases and injuries of the pulp; and associated periradicular conditions. (American Association of Endodontists) This clinical course includes lectures on the biological and clinical aspects of endodontics plus laboratory exercises. The biologic aspect lectures include discussions of pulp and periapical diseases, diagnostic and treatment procedures, selection of patients, and medications in endodontics. Clinical aspect lectures are devoted to procedures used in preparing and filling root canals, discussion of the materials used, restoration of endodontically treated teeth and clinic orientation. During laboratory exercises, students prepare and fill the root canals on extracted human and prefabricated teeth. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)	
DXOH 815. Clinical Oral Radiology	1 Unit	DXOH 821. Endodontics II	1 Unit
Term Typically Offered: Spring Only		Term Typically Offered: Spring Only	
Description: Perfection of radiologic technical skills through supervised clinical practice in managing patients with varied oral and dental conditions. The student develops independent judgment through written interpretation of full mouth and other necessary radiographs to assist in diagnosis and treatment planning. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)		Description: This didactic course will focus on clinical aspects of diagnosis and treatment in endodontics. The student will develop their knowledge of the morphology, physiology and pathology of the dental pulp and periapical tissues. Students will learn to diagnose and manage or treat: (1) traumatic dental injuries, (2) teeth with immature apices, and (3) endodontic emergencies. Other topics include the management of Cracked Tooth Syndrome, endodontic-periodontic interrelationships, procedural accidents, endodontic retreatment and pain of non-odontogenic origin. Additional instruction will be provided in the use of local anesthetics, antibiotics, and analgesics in endodontic treatment. This course is designed to be a continuation of Endodontics I and will build upon the knowledge obtained in that course. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)	

<p>DXOH 822. Clinical Endodontics I 1 Unit Term Typically Offered: Spring Only Description: This course will provide clinical experience in both diagnosis and treatment of diseases of the pulp and peri-apical region. It will emphasize clinical application of principles taught in endodontic technique and didactic courses. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>DXOH 845. Clinical Diagnosis 3 Units Term Typically Offered: Spring Only Description: This clinical course is designed to assist the student in becoming knowledgeable in oral diagnosis and oral medicine. Clinical Diagnosis in the Oral Medicine curriculum entails a four-semester ongoing clinical experience in principles of diagnosis, medicine and emergency care (immediate or urgent care) that is graded at the end of the second (spring) semester of the D4 year. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>DXOH 823. Clinical Endodontics II 2 Units Term Typically Offered: Spring Only Description: This course continues to emphasize diagnostic and therapeutic procedures as well as provide additional experience in the clinical application of principles taught in the previous courses. The student dentist is exposed to management or treatment of the more complicated endodontic therapy. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>DXOH 851. Periodontics I 1 Unit Term Typically Offered: Spring Only Description: This introductory course integrates basic science knowledge into the study of anatomy, physiology and pathology of the tooth supporting tissues. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>DXOH 824. Advanced Endodontics 1 Unit Grading Basis: Pass/Fail Term Typically Offered: Spring Only Description: The discipline of Endodontics is in its evolutionary process and growth as a specialty of Dentistry. This advanced Endodontics course is for those fourth year students who have a special interest in endodontics. We will discuss changes over the past ten years, and how the practice of endodontics has been enhanced by new technology, innovations and evidence-based research. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>DXOH 852. Periodontics II 1 Unit Term Typically Offered: Fall Only Description: This course introduces students to the basic concepts necessary in recognizing periodontal health and diagnosing periodontal diseases. Also emphasized are prognosis and treatment planning. Additionally, a consideration of the relationship of Periodontics to various clinical disciplines is presented. Periodontal treatment modalities for treating periodontal disease, rationale, indications, contraindications, objectives and techniques are presented. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>DXOH 830. Dental Clinical Pharmacology 2 Units Term Typically Offered: Spring Only Prerequisite(s): BMSC 807. Description: This course will present topics in dental clinical pharmacology and oral medicine with specific emphasis on antibiotics, analgesics, local anesthetics, anxiolytic, antifungal and antiviral drugs as well as the pharmacologic management of medically related disorders and conditions affecting the oral and maxillofacial region. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>DXOH 853. Periodontal Modular Learning 2 Units Term Typically Offered: Spring Only Description: This is a hands-on course in clinical periodontology. Periodontology is the science and study of the investing and supporting tissues of the teeth and jaws. The dental specialty which limits its treatment to those tissues is Periodontics and the dental specialist performing treatment on these tissues is a Periodontist. This course will consist of seven modules which will address data collection, diagnosis, prognosis, periodontal/preventive treatment planning and referral guidelines, plaque assessment, oral hygiene aids, instrument sharpening, calculus detection, scaling and root planning, ultrasonic instrumentation, treatment of hypersensitive teeth, non-surgical treatment methods and simple suturing techniques. This course will also discuss the psychology of the student doctor/patient relationship. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>DXOH 835. Oral Medicine 3 Units Term Typically Offered: Fall Only Description: This course is designed to instruct students in developing clinically-applicable knowledge concerning the assessment and management of dental patients with medical disorders/diseases and medically compromised states that may necessitate modification of routine dental treatment protocols and procedures, or require special precautions in order to prevent or reduce the risk of complications associated with the dental treatment of these patients. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>DXOH 854. Periodontics III 1 Unit Term Typically Offered: Fall Only Description: The course focuses on diagnosis, and treatment planning. Additionally, indications, contraindications and rationale for periodontal surgery, different surgical treatment techniques, surgical complication, periodontal plastic surgery and implant therapy will be discussed. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>

<p>DXOH 855. Clinical Periodontics 3 Units Term Typically Offered: Spring Only Prerequisite(s): Completion of 1st & 2nd year periodontic didactic courses. Description: Students will demonstrate competency in treating patients with periodontal disease. This includes examination and diagnosis, treatment planning, sealing and root planing, minor surgical procedures and re-evaluation of treatment success & maintenance therapy. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>DXOH 856. Advanced Periodontics Elective 0.5 Units Grading Basis: Pass/Fail Term Typically Offered: Spring Only Description: Aims of the course: 1 To enrich didactic and clinical background of a limited number of dental students geared towards a career in Periodontics. 2 Provide clinical hands-on -exposure on fundamental periodontal surgery procedures. 3 Allow students to utilize their experience during the application process for advanced studies in Periodontology. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>IDSC 860. Interdisciplinary Service Learning 3 Units Grading Basis: Pass/Fail Term Typically Offered: Fall, Spring Prerequisite(s): One year of either dental or dental hygiene school completed. Description: The course is designed to equip dental and dental hygiene students with the necessary skills to do field investigative work, conceive, develop, and execute an international healthcare outreach project. Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>DXOH 900. Advanced Education in Endodontics 9 Units Grading Basis: Pass/Fail Term Typically Offered: Fall, Spring Description: Postgraduate education in endodontics. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>IDSC 861. International Dental Exchange Scholarship Program 2 Units Grading Basis: Pass/Fail Term Typically Offered: Fall, Spring Prerequisite(s): Limited to D3 and D4 students. Description: ULSD has an annual two week exchange of dental students with Jagiellonian University in Krakow Poland for clinical observation and cultural enhancement. Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>IDSC 865. IDSC Clinical Studies 10 Units Grading Basis: Pass/Fail Term Typically Offered: Fall, Spring Description: IDSC Clinical Studies. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>DXOH 910. Advanced Education in Periodontics 9 Units Grading Basis: Pass/Fail Term Typically Offered: Fall, Spring Description: Postgraduate education in periodontics. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>IDSC 871. Faculty Advanced Standing 0 Units Term Typically Offered: Fall, Spring Description: This course supports the Faculty Advanced Standing Program; in this program, selected full-time faculty of the School of Dentistry have either completed an accredited advanced education program at a US dental school or who have completed five years teaching at ULSD with or without an advanced education program, and have received their dental degree from an institution outside the U.S. or Canada, can make progress toward the receipt of a DMD degree from the University of Louisville. Candidates' progress is assessed each year by program directors, course directors or department chairs, as appropriate. Typically speaking, the DMD degree will only be awarded at the end of five complete years of full time teaching at the School of Dentistry. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	

Interdisciplinary Studies (IDSC)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee/>).

IDSC 873. Dental Fellow Visiting Scholar **0 Units**

Grading Basis: Pass/Fail

Term Typically Offered: Fall, Spring

Description: This course supports non-degree seeking Fellowships or Visiting Scholar positions in various areas of dentistry. These fellowships may take the form of post-residency training, or may be individuals participating in short or long term projects for a period of time past their dental school training. Individuals may participate in selected teaching, clinical, observational or research activities. Selection is made by individual department heads or program directors on a case-by case basis.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

IDSC 874. International Community Dental Service Project **2 Units**

Grading Basis: Pass/Fail

Term Typically Offered: Spring Only

Description: Students engage in a week long international community based dental clinic providing dental treatment to an underserved village in a foreign land, such as Ecuador. Students self-pay all expenses.

Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

Oral and Maxillofacial Surgery (OMFS)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee/>).

OMFS 805. Principles of Oral Surgery I **1 Unit**

Term Typically Offered: Fall Only

Description: This course initially introduces the dental student to the principles of basic and complicated exodontia and impactions. The diagnosis and treatment of odontogenic infections, along with laboratory diagnosis and biopsy technique are discussed. Cysts of the jaws, their diagnosis and treatment, soft tissue and bony tumors of the oral cavity are reviewed. The discussion of the management of acute postoperative pain enables the student to more intelligently deal with the problem. Likewise, the student is introduced to the principles of basic and advanced cardiopulmonary resuscitation and specifically deals with emergencies in the dental office. Dental implantology is introduced.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

OMFS 806. Principles of Oral Surgery II **1 Unit**

Term Typically Offered: Spring Only

Description: This course is designed to give the third dental student a basic understanding of the specialty of oral and maxillofacial surgery; the process of diagnosis, surgical and adjunctive management of diseases, deformities and malformations of the mouth and jaws and associated structures. The material presented will help the student acquire: an understanding of the specialty of oral and maxillofacial surgery; fundamentals in diagnosis and treatment of facial injuries; an awareness of the proper techniques in preparing a mouth for prostheses as well as what surgery has to offer the edentulous cripple; fundamental knowledge of the functional disorders affecting the temporomandibular joints and muscles of mastication; knowledge of surgical diseases of the salivary glands; awareness of these various dentofacial deformities and what surgical therapy has to offer; an understanding of the basic management of oral tumors and a knowledge of basic disorders of the maxillary sinus. The student is expected to gain an awareness of surgical disorders and modern surgical therapy so that as a practitioner he/she recognizes surgical problems in his/her patients, initiates appropriate therapy and/or makes intelligent referrals.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

OMFS 807. Clinical Oral Surgery I **4 Units**

Grading Basis: Pass/Fail

Term Typically Offered: Spring Only

Description: This course provides a clinical learning experience, culminating the didactic theory and techniques of exodontia and minor oral surgery for dental students.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

OMFS 808. Clinical Oral Surgery II **2 Units**

Grading Basis: Pass/Fail

Term Typically Offered: Fall Only

Description: This course provides a clinical learning experience culminating the didactic theory and techniques of minor and major oral and maxillofacial surgery for D4 dental students.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

OMFS 811. General Medicine in Dentistry **1 Unit**

Grading Basis: Pass/Fail

Term Typically Offered: Fall Only

Description: This course introduces the D4 dental student to general medicine concepts and their application to dentistry. The body will be broken down into the major organ systems, with discussion on their pathophysiology and how it affects dental care. There will be heavy clinical basis and clinical application of basic science principles.

Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

OMFS 900. Oral and Maxillofacial Surgery Residency 0 Units
Grading Basis: Pass/Fail
Term Typically Offered: Fall, Spring
Description: Hospital-based six year dental residency program. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

Oral Biology (OBIO)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

Course Fees

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OBIO 611. Craniofacial Osteology 1-3 Units
Grading Basis: Pass/Fail
Term Typically Offered: Not Offered
Prerequisite(s): OPGD 801, OPGD 805, RARD 805 or equivalents.
Description: Explores the hard tissue interrelationships of the craniofacial complex. Includes the mechanical properties, origins and maturation of facial bones. Complements the cephalometric course; designed to link clinical applications to anatomic locations.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

OBIO 612. Craniomaxillofacial Diagnostic Imaging 2-4 Units
Term Typically Offered: Spring Only
Prerequisite(s): Admission to the Graduate School for students in Oral Biology, a DMS/DDS degree or its foreign equivalent, or a MD/DO degree or its foreign equivalent.
Description: Principles of safety, quality assurance, selection criteria and interpretation for current diagnostic imaging modalities of interest to the healthcare provider treating the craniomaxillofacial complex.
Note: Cross-listed with ASNB 678.
Note: 2 lecture, 2-4 lab.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

OBIO 613. The Diagnosis & Treatment of Temporomandibular Disorders 1 Unit
Grading Basis: Pass/Fail
Term Typically Offered: Fall Only
Prerequisite(s): DMD or DSD degree or instructor approval.
Description: Will present the basic concepts of Temporomandibular Disorders. Emphasis is on Etiology, Examination, Recognition, Diagnosis and Treatment of Facial Pain/TMJ Disorders and Occlusal Abnormalities. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

OBIO 614. Advanced Oral Diagnosis and Oral Medicine 1 Unit
Grading Basis: Pass/Fail
Term Typically Offered: Not Offered
Prerequisite(s): Admission to the MS Oral Biology program, a DDS or DMD degree or its foreign equivalent, or consent of the instructor.
Description: Will present advanced topics on diagnostic methods and therapy relative to oral-maxillofacial and systematic diseases, and the inter-relationships between oral and systemic disease. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

OBIO 615. Advanced Clinical Pharmacology 1 Unit
Grading Basis: Pass/Fail
Term Typically Offered: Spring Only
Prerequisite(s): One of the following: Admission to the MS Oral Biology program; a DDS or DMD degree or its foreign equivalent; consent of the instructor.

Description: To present advanced topics in clinical pharmacology with specific emphasis on antibiotics, analgesics, local anesthetics, anxiolytic, antifungal and antiviral drugs. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

OBIO 616. Overview of Medical Genetics in Oro-Facial Disease 1.5 Units
Grading Basis: Pass/Fail
Term Typically Offered: Not Offered
Prerequisite(s): Admission to the MS Oral Biology program, a DDS, DMD or MD degree or its foreign equivalent, or consent of the instructor.
Description: The student will study the medical genetic influence on development and growth as well as dysmorphology and disease, of the human body. Risk factors, probabilities and clinical outcomes are emphasized.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

OBIO 617. Advanced Oral Pathology 1 Unit
Grading Basis: Pass/Fail
Term Typically Offered: Fall Only
Prerequisite(s): Admission to the MS Oral Biology program, a DDS, DMD, or MD degree or its foreign equivalent, or consent of the instructor.
Description: Introduction to the clinical and radiographic manifestations of diseases of the oral cavity and para-oral region. Also included will be the clinical differential diagnosis oral lesions and the etiology and histology of common oral lesions. Clinical evaluation and management of oral lesions will be discussed as well.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

OBIO 622. Multiple-Disciplinary Seminars 1 Unit**Grading Basis:** Pass/Fail**Term Typically Offered:** Fall, Spring**Prerequisite(s):** Enrollment in the MS in Dentistry, GPR, OMFS programs, or MS in Oral Biology programs.**Description:** Case-based multi-disciplinary seminar where topics of clinical interest are presented by postgraduate students/residents in the Master of Science in Dentistry program, as well as OMFS and GPR residents. Discussion is facilitated by faculty. The course is continuous for both the Fall and Spring semesters and students must enroll in both semesters to receive credit. The course provides interdisciplinary discussion of diagnosis and treatment of oral pathologies.For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)**OBIO 623. Advanced Implantology** 1 Unit**Grading Basis:** Pass/Fail**Term Typically Offered:** Fall Only**Prerequisite(s):** Enrollment in the MS in Dentistry program or MS in Oral Biology program.**Description:** Seminar review of the fundamental concepts of implantology including both surgical and restorative phases, the biologic basis of implantology, the advantages and disadvantages of different implant systems, and practice sessions placing implants and complete preparation for the clinical use of implants.For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)**OBIO 624. Advanced Maxillofacial Imaging Practicum** 0.5-1.5 Units**Grading Basis:** Pass/Fail**Term Typically Offered:** Fall Only**Prerequisite(s):** Must be enrolled in dental advanced education program.**Description:** The practicum provides individualized in-depth discipline specific instructions and clinical training to postgraduate students in advanced education programs so that they are competent in the practical aspects associated with prescribing, performing, accessing and interpreting CBCT imaging in an enterprise PACS environment. The student will develop skills in the use of software for discipline specific applications and familiarity and experience with 3-D printing in the course of providing care for their patients.**Note:** Instruction and credit hours vary by specific advanced education program and course section.For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

Oral Immunology and Infectious Diseases (OIID)

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Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific

fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee/>).

OIID 501. Biomedical Data Analysis: Experimental Design and Statistics**3 Units****Term Typically Offered:** Fall Only**Prerequisite(s):** Acceptance to a graduate program or permission of course director.**Description:** OIID 501 is designed for graduate and professional students in health sciences who require a working knowledge of the experimental design and statistical methods most often utilized in the biomedical sciences. The focus is upon the initial evaluation of scientific literature, the formulation of research protocols, and the interpretation of data. Special attention is given to those areas of data interpretation most common in the health sciences. Fall semesters.For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)**OIID 600. Concepts in Oral Immunology** 2 Units**Term Typically Offered:** Spring Only**Prerequisite(s):** Students should have previously taken a basic immunology course or consent of instructor.**Description:** To provide an in-depth analysis of how the host's immune system within the oral cavity is involved in mediating host immunity against periodontal pathogens, as well as defining the immunological events underlying the initiation and progression of periodontal diseases.For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)**OIID 601. Introduction to Oral Biology Research** 2 Units**Prerequisite(s):** Acceptance to an Oral Biology degree program or consent of course director.**Description:** An introduction to modern research methodology in oral biology. Designed to acquaint the student with a broad spectrum of experimental techniques and concepts which will help prepare for successful design of a research project. Major emphasis is placed on research design, research methodology, critical evaluation of basic research literature, and scientific writing.For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)**OIID 604. Oral Microbiology** 3 Units**Term Typically Offered:** Spring Only**Prerequisite(s):** Acceptance to an Oral Biology degree program or consent of course director.**Description:** An in-depth study of the microbiota and host defense mechanisms with an emphasis on the ecology, nutrition, and biochemistry of the indigenous bacteria.For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

- OIID 605. Oral Health Seminars** 0.5 Units
Grading Basis: Pass/Fail
Prerequisite(s): Acceptance to the MSOB program or consent of course director.
Description: Biomedical research seminars describing basic and clinical research by internal and external faculty and postdoctoral research associates. Students will learn about the breadth of faculty biomedical research, providing context for their own research. The seminars are at least monthly, and the course is continuous through the fall and spring semesters.
Note: A required course for most students in the Master of Science in Oral Biology (MSOB) program.
Note: Students must enroll in both Fall and Spring semesters to receive full credit.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- OIID 606. Oral Biology Communication** 2 Units
Term Typically Offered: Spring Only
Prerequisite(s): OIID 601.
Description: Provided to MS and PhD students, and to dental residents. The goal of this course is for students to develop their research plan and to become familiar with presenting and defending research findings in a scientific setting. The students will: prepare a scientific abstract in the style of the Journal of the American Dental Association; give a 15-minute seminar describing their research project; answer questions on their talk; and contribute to discussions and feedback on the research of classmates.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- OIID 610. Advanced Topics in Oral Biology** 1-4 Units
Prerequisite(s): OIID 601 or OBIO 601; consent of Graduate Program Director.
Description: This course allows graduate credit to be obtained for guided readings or other specialized studies needed to enhance the student's understanding of their thesis research project. This course can be used for a student to read and discuss a series of advanced publications with a faculty guide other than their primary mentor, in order to build expertise in a specialized area relevant to their research project. Guided readings with a Thesis Committee faculty (other than the mentor) can be particularly important for an interdisciplinary project. This course is intended for specialized in depth studies beyond what is appropriate in a classroom setting. The faculty and student must obtain approval from the Graduate Program Director for this course prior to registering. The faculty guide should send an email to the Graduate Director at the beginning of the semester describing the goals and expected effort and number of credits.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- OIID 619. Graduate Research** 1-8 Units
Grading Basis: Pass/Fail
Prerequisite(s): Acceptance to a graduate degree program or consent of course director.
Description: Allows graduate credit to be obtained for performing biomedical research. The student will perform research under the supervision of a primary mentor who is specifically named in the Thesis Committee Form that is required to be completed by all students during their first semester and signed by student, committee members and the Program Director. Research hours and duties are as defined by the mentor in conjunction with the student.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- OIID 620. Thesis** 1-8 Units
Grading Basis: Pass/Fail
Term Typically Offered: Fall, Spring, Summer
Prerequisite(s): Acceptance to an Oral Biology degree program or consent of course director.
Description: This course allows graduate credit to be obtained for all aspects of writing the students thesis or writing a research article suitable for publication.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- OIID 800. Correlated Sciences** 1 Unit
Grading Basis: Pass/Fail
Prerequisite(s): Acceptance to the DMD program.
Description: OIID 800 is provided in the first semester of the DMD program. The diverse range of didactic lectures in OIID 800 is intended to introduce the concept of the need to maintain a holistic scientific view of the body when providing dental care. The course will introduce anatomical, historical, immunological, biochemical, physiological, microbiological, pharmacological and pathological research concepts that will ultimately, lead to improvements in the examination, evaluation, diagnosis and/or treatment of dental patients. OIID 800 will introduce the wide range of clinical, basic and transnational research that currently takes place in the School of Dentistry and how you can become actively involved.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- OIID 804. DMD Research** 2-8 Units
Grading Basis: Pass/Fail
Prerequisite(s): Acceptance to the DMD program and to a research program.
Description: OIID 804 gives credit to DMD students participating in a research program such as the ULSD Summer Research Program. Students should apply for a Summer Research Program during the spring semester, participate in research during the summer, and present at Research Louisville in the Fall semester. Applications are through the ULSD Associate Dean for Research + Enterprise. Students receive 2 credits for each semester doing research.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

Rehabilitative and Reconstructive Dentistry (RARD)

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Course Fees

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RARD 805. Principles and Techniques of Orthodontics 3 Units

Term Typically Offered: Spring Only

Description: Covers principles of orthodontic diagnosis and treatment planning. This course is structured to represent the link between orthodontic therapy and clinic utilization. As such, it is directly preparatory to the course in Clinical Orthodontics. An outline of subjects to be covered is in the manual. We will present the basic design and usage of fixed appliance systems as well as the use and construction of removable appliances. A series of "mini clinics" is presented in which students are exposed to various aspects of appliance design and use in a clinical setting.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

RARD 809. Clinical Orthodontics 2 Units

Grading Basis: Pass/Fail

Term Typically Offered: Fall Only

Description: As a general dentist, you will need to know how to identify and diagnose orthodontic problems, educate patients on those problems, and perform either appropriate treatment for those problems or appropriate referral to a specialist. The didactic curriculum emphasized these principles of orthodontics, while the clinical orthodontic curriculum is intended to give you hands-on experience evaluating patients and helping with some orthodontic treatment procedures. This course has two primary components: clinical orthodontics and a competency examination. To supplement your didactic education with clinical experience, students participate in a rotation through the graduate orthodontic clinic. Students are required to complete certain learning experiences which will reinforce their knowledge of orthodontic principles and procedures. A review session is available to all students who wish to review the essential principles and concepts of orthodontic diagnosis, treatment planning and treatment.

Note: One and one-half years.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

RARD 861. Introduction to Indirect Restorations (Lecture) 2 Units

Term Typically Offered: Fall Only

Description: With OHR 862, designed to introduce the student to basic crown and fixed partial denture theory, principles and techniques. In addition to the basic laboratory procedures, the lecture series includes clinical application of various procedures in preparation for the clinic experience. Standard types of tooth preparation for anterior, posterior and non-vital teeth are practiced. Study of physical properties of dental materials utilized in construction of fixed partial dentures is included. Emphasis is placed on the restoration of function and the prevention of both initiation and recurrence of dental disease.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

RARD 862. Introduction to Indirect Restorations (Laboratory) 3 Units

Term Typically Offered: Fall Only

Description: With OHR 861, designed to introduce the student to basic crown and fixed partial denture theory, principles and techniques. In addition to the basic laboratory procedures, the lecture series includes clinical application of various procedures in preparation for the clinic experience. Standard types of tooth preparation for anterior, posterior and non-vital teeth are practiced. Study of physical properties of dental materials utilized in construction of fixed partial dentures is included. Emphasis is placed on the restoration of function and the prevention of both initiation and recurrence of dental disease.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

RARD 865. Preclinical Fixed Prosthodontics Lecture 1 Unit

Term Typically Offered: Spring Only

Description: Designed to introduce the student to basic crown and fixed partial denture theory, principles, and techniques. In addition to the basic laboratory procedures, the lecture series includes clinical application of various procedures in preparation for the clinic experience. Standard types of tooth preparation for anterior, posterior and non-vital teeth are practiced. Study of physical properties of dental materials utilized in construction of fixed partial dentures is included. Emphasis is placed on the restoration of function and the prevention of both initiation and recurrence of dental disease

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

RARD 866. Preclinical Fixed Prosthodontics Lab 4 Units

Term Typically Offered: Spring Only

Description: Designed to introduce the student to basic crown and fixed partial denture theory, principles, and techniques. In addition to the basic laboratory procedures, the lecture series includes clinical application of various procedures in preparation for the clinic experience. Standard types of tooth preparation for anterior, posterior and non-vital teeth are practiced. Study of physical properties of dental materials utilized in construction of fixed partial dentures is included. Emphasis is placed on the restoration of function and the prevention of both initiation and recurrence of dental disease

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

RARD 868. Clinical Fixed Prosthodontics 5 Units

Term Typically Offered: Spring Only

Description: Patient care experiences in D3 and D4 years enable the students to apply knowledge and skills from the preclinical courses. Experience may include esthetic and non-esthetic single crowns and dental prosthesis fabricated from a variety of materials and using a variety of methods.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

RARD 870. Introduction to Implant Dentistry 1 Unit

Term Typically Offered: Spring Only

Description: This course introduces the dental student to current concepts in the surgical and restorative aspects of implant dentistry. The student will become familiar with various aspects of the discipline, including a basic history of implants in dentistry, implant and restoration types, components and terminology, diagnosis and treatment planning.

Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

RARD 871. Implant Dentistry 1 Unit

Term Typically Offered: Fall Only

Prerequisite(s): RARD 870.

Description: This course introduces the dental student to current concepts in the surgical and restorative aspects of implant dentistry. The student will become familiar with various aspects of the discipline, including a basic history of implants in dentistry, implant and restoration types, components and terminology, diagnosis and treatment planning, surgical placement and adjunctive surgeries, restoration, maintenance, and complications of dental implant therapy.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

RARD 900. Advanced Education in Orthodontics 9 Units

Grading Basis: Pass/Fail

Term Typically Offered: Fall, Spring

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

RARD 920. Advanced Education in Prosthodontics 9 Units

Grading Basis: Pass/Fail

Term Typically Offered: Fall, Spring

Description: Prerequisite: DMD degree

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

INDEX

A

About the School	4
Academic Policies, DMD Program	21
Administration and Faculty	4
Admission Information for the DMD	11
Applying for Aid	16

B

Basic Medical Sciences (BMSC)	29
-------------------------------------	----

C

Comprehensive Dentistry (CMPD)	30
--------------------------------------	----

D

Dental Competencies	9
Dentistry (DMD)	25
Diagnosis and Oral Health (DXOH)	37
Disability Requests	18
DMD Courses	29

F

Financial Aid	16
Financial Information	16
From the Dean	3

G

Grading & Class Rank	21
Graduation Policies	23

H

Honors and Awards	22
-------------------------	----

I

Institutional and Professional Accreditation	10
Interdisciplinary Studies (IDSC)	40
International Advanced Standing	14
International DMD Applicants	14

M

Minimum Technical Standards	12
-----------------------------------	----

O

Oral and Maxillofacial Surgery (OMFS)	41
Oral Biology (OBIO)	42
Oral Immunology and Infectious Diseases (OID)	43
Organizations and Activities	17

R

Rehabilitative and Reconstructive Dentistry (RARD)	45
Residency Status	13

S

School of Dentistry Bulletin	2
Student Resources	17

T

Transfer Students	15
-------------------------	----