# Table of Contents

ACADEMIC CALENDAR 2019-2020 ......................................................................................................................... 4
FROM THE DEAN .................................................................................................................................................. 6
SCHOOL OF DENTISTRY MISSION STATEMENT .......................................................... 6
DENTAL COMPETENCIES ................................................................................................................................. 6
DEGREES OFFERED ......................................................................................................................................... 8
INSTITUTIONAL AND PROFESSIONAL ACCREDITATION .................................................. 8
LOCATION AND FACILITIES ......................................................................................................................... 9
ADMISSION REQUIREMENTS ......................................................................................................................... 9
    POLICY .................................................................................................................................................. 9
    ACADEMIC BACKGROUND .................................................................................................................. 10
    DENTAL ADMISSION TEST ................................................................................................................. 10
    APPLICATION ..................................................................................................................................... 10
    TIMELINES OF APPLICATIONS AND ACCEPTANCE ............................................................ 11
    FEES AND EXPENSES ...................................................................................................................... 12
    RESIDENCY STATUS ........................................................................................................................... 13
FINANCIAL AID .............................................................................................................................................. 13
ACCOMMODATIONS AND SERVICES .............................................................................................. 14
    OFFICE OF STUDENT AFFAIRS ...................................................................................................... 14
    OFFICE OF ACADEMIC AFFAIRS ................................................................................................ 15
    HOUSING ........................................................................................................................................ 15
ACADEMIC POLICIES AND DEGREE REQUIREMENTS ........................................................................ 15
    GUIDELINES FOR ADMISSION BY TRANSFER ....................................................................... 15
    POLICY ON INTERNATIONAL STUDENTS APPLYING TO THE DMD PROGRAM .................. 17
    ADVANCED STANDING OPTION FOR ADMISSION TO DMD PROGRAM .................................. 17
    MINIMUM TECHNICAL STANDARDS FOR ADMISSIONS AND MATRICULATION ........... 19
    REQUESTS REGARDING DISABILITY ......................................................................................... 21
ORGANIZATIONS AND ACTIVITIES ............................................................................................................. 23
ACADEMIC REGULATIONS ............................................................................................................................. 25
    CRITERIA FOR GRADUATION ........................................................................................................ 26
    PROMOTION AND CLINIC PRIVILEGES .................................................................................. 26
    DETERMINATION OF GRADE POINT AVERAGE (GPA) ........................................................... 26
    CALCULATION OF CLASS RANK ............................................................................................... 27
    CRITERIA FOR HONORS ................................................................................................................. 27
    HONORS AND AWARDS ................................................................................................................... 28
    EARLY INTERVENTION ..................................................................................................................... 30
“I” (INCOMPLETE) GRADES AND “X” GRADES .............................................................. 30
PASS/FAIL GRADES .................................................................................................... 30
“F” GRADES .............................................................................................................. 31
FAILURE OF A COURSE(S) ...................................................................................... 31
NATIONAL BOARD DENTAL EXAMINATIONS ......................................................... 31
DMD PROGRAM CURRICULUM .................................................................................. 34
ADMINISTRATIVE OFFICERS OF THE SCHOOL OF DENTISTRY ......................... 56
CHAIRS OF DEPARTMENTS ...................................................................................... 57
SCHOOL OF DENTISTRY FACULTY ........................................................................... 58
ACADEMIC CALENDAR 2019-2020

JULY 2019
1  Welcome Training Session for Incoming Postgraduate students/residents
2  Annual Mandatory Training for Postgraduate Education (Grad Clinics Closed AM)
4  Independence Day Observed - ULSD Closed
5  Additional President/Provost Approved Holiday – ULSD Closed

AUGUST 2019
1-2  D1 Start Up
5-9  D1 Start UP
5-9  DMD Student Break (D2/D3/D4)
12  DMD Fall Semester Begins
12  Fall Annual Mandatory training (faculty/staff/D3/D4) (DMD Clinics Closed AM)
14-16 DH4 Orientation
15  DH3 Orientation
15-18  KDA Annual Meeting, Louisville, KY
19  Dental Hygiene Fall Semester Begins
24  ULSD White Coat Ceremony

SEPTEMBER 2019
2  Labor Day – ULSD Closed
5-9  ADA Annual Meeting, San Francisco, CA
10-13 Research! Louisville
28  36th Annual ULSD Alumni Day

OCTOBER 2019
7-8  Fall Break
7-8  ULSD Fall Faculty and Staff Retreat
24-25 2019 ADEA Fall Meeting, Portland, OR

NOVEMBER 2019
6  Culturally Effective Care Symposium
   9am-12pm (Mandatory for D1 & DH3)
8  DH Legacy Alumni Event
9  DH Floss Walk/5K Run
27  Early Release Day (1/2 day)
28-29  Thanksgiving Holiday

DECEMBER 2019
9-13  Final Exam Week
16  Holiday Break for Students Begins
24  Early Release Day (1/2 day)
25  Faculty/Staff Winter Break begins
JANUARY 2020
2  Faculty/Staff/Students return
20  Martin Luther King, Jr. Day - ULSD Closed
TBD  Basic Sciences Awards Program

FEBRUARY 2020
7  Give Kids a Smile-D3 & D4 Clinics Closed
TBD  Student Vendor Fair – DMD/DH
       (Classes Canceled)

MARCH 2020
14-17  ADEA Annual Mtg., National Harbor, MD
16-20  Spring Break
18-21  AADR Annual Meeting, Washington, D.C.
19-21  Hinman Meeting, Atlanta, GA

APRIL 2020
17  CDCA/ADEX (DMD) Exam Orientation 4pm
18  CDCA/ADEX (DMD) Exam day 1
18  CDCA/ADEX (DH) Exam (orientation & exam)
19  CDCA/ADEX (DMD) Exam day 2
27-5/1  Finals Week
30  Parade Day – ULSD Closes at 3pm

MAY 2020
3-8  Student Break
9  Graduation
11  DMD/DH3 classes and clinics begin
15  CDCA/ADEX (DMD) Exam Orientation 4pm
16  CDCA/ADEX (DMD) Exam day 1
16  CDCA/ADEX (DH) Exam (orientation & exam)
17  CDCA/ADEX (DMD) Exam day 2
25  Memorial Day – ULSD Closed

JUNE 2020
26  DH3 Summer term ends
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, Dr.Med.Dent.
Dean

SCHOOL OF DENTISTRY 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 pedagogical approaches, community engagement, and research. 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 external educational 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 educational milieu for the DMD students, faculty, and staff, and offers the patients of both the metropolitan area and the Commonwealth an invaluable asset in the vital pursuit of improving their oral health.

DENTAL 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.

**Domain 1: 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.

**Domain 2: Biomedical Sciences**
2.1. Graduates must be competent in the application of biomedical science knowledge in the delivery of patient care.

**Domain 3: Ethics and Professionalism**
3.1. Graduates must be competent in the application of the principles of ethical decision-making and professional responsibility.

**Domain 4: 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.

**Domain 5: 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.

**Domain 6: Patient Care**
Graduates must demonstrate competence in providing oral health care within the scope of general dentistry for pediatric, adult, and geriatric patients, 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.
6.7. Local anesthesia, and pain and anxiety control, including consideration of the impact of prescribing practices and substance use disorder.
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.
6.15. 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.

DEGREES OFFERED
Doctor of Medicine in Dentistry (D.M.D.)
Dual Degrees:
D.M.D./Ph.D.
D.M.D./M.S. in Oral Biology
D.M.D./M.B.A
To learn more: http://louisville.edu/dentistry/degrees

INSTITUTIONAL AND PROFESSIONAL ACCREDITATION
The University of Louisville is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools (1866 Southern Lane, Decatur, Georgia 30033-4097; Telephone number: 404.679.4500) to award Associate, Baccalaureate, Master’s, Doctoral, and First Professional Degrees (D.M.D., J.D., M.D.)

The D.M.D., 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
or you may call
1.800.621.8099, ext 4653
LOCATION AND FACILITIES

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

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 use a cubicle system. In a cubicle, the student conducts his or her practice in an atmosphere of privacy which enhances efficiency and self-confidence in the pursuit of patient-centered care.

The 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 preclinical 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.

ADMISSION REQUIREMENTS

POLICY

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.

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. A numerical Admissions Index Score is used to assist in determining which students will be accepted. Sixty percent of an applicant’s index score is based on academic factors and forty percent is based on personal qualities and life experiences.

Dental students require both cognitive and technical skills to negotiate 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 are:

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

Recommended Biology courses are:

- 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 (AADSAS). A person interested in applying should go online to: [www.adea.org](http://www.adea.org)
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 regions 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.

**TIMELINES OF APPLICATIONS AND ACCEPTANCE**

**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.
FEES AND EXPENSES

Registration Fees
For residents of Kentucky, the tuition for the academic year is $34,498 annually. For non-residents of Kentucky, the tuition is $71,970 annually. Questions of resident status should be addressed to the Office of Student Services, University of Louisville, Belknap Campus, Louisville, Kentucky 40292. The amounts include the mandatory student activity and student building fees, but do not include the following:

Fees
- Transcript for enrolled students $7 mailed; $10 on the spot
- Late payment fee $100
- Transcript after graduation (first one after degree is free) $7 mailed; $10 on the spot
- Replacement Diploma $20

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

Registration Fees (2019-2020)

<table>
<thead>
<tr>
<th></th>
<th>Resident</th>
<th>Non-Resident</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuition &amp; fees</td>
<td>$34,498</td>
<td>$71,970</td>
</tr>
<tr>
<td>Dental Supplies Fee</td>
<td>7,500</td>
<td>7,500</td>
</tr>
<tr>
<td>Total</td>
<td>$41,998</td>
<td>$79,470</td>
</tr>
</tbody>
</table>

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 designated due date. Payment may be made by cash, money order, or charge card (Master Card, VISA). 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 mailed 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 ordinarily will accept a check from any person for only the amount which that person owes the University. Checks for larger amounts are not cashed. Checks postdated will not be accepted nor will any check be held for deferred deposit. A penalty will be charged for returned checks. If such a check and penalty are not paid promptly, the student may be subject to legal action.
Refunds
When a student officially withdraws (see below) from the University or from any course, or courses, for which hourly rates apply, tuition and Student Activity fee charges and credits will be adjusted in the following manner:

<table>
<thead>
<tr>
<th>Withdrawal Period</th>
<th>Semester Charge</th>
<th>Tuition Credit</th>
<th>Fees Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Withdrawal before the first day of classes</td>
<td>0%</td>
<td>100%</td>
<td>100%</td>
</tr>
<tr>
<td>Withdrawal through the first week of semester</td>
<td>0%</td>
<td>100%</td>
<td>0%</td>
</tr>
<tr>
<td>Withdrawal during second week of semester</td>
<td>50%</td>
<td>50%</td>
<td>0%</td>
</tr>
<tr>
<td>Withdrawal during third or fourth week of semester</td>
<td>75%</td>
<td>25%</td>
<td>0%</td>
</tr>
<tr>
<td>Withdrawal after fourth week of semester</td>
<td>100%</td>
<td>0%</td>
<td>0%</td>
</tr>
</tbody>
</table>

This policy applies to all tuition and Student Activity fees except for non-refundable deposits. Special course fees, laboratory fees and the student building fee are refundable only with 100% adjustment.

Withdrawal Policy
The effective withdrawal date is the date on which the withdrawal is processed in the Student Records System. This date is used in calculating any tuition reduction due.

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

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

RESIDENCY STATUS
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.

During the offer period, applicants may petition to the UofL Enrollment Management Office for a change in the residency determination of the sub-committee.

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. Dept. of Education:
- Direct Unsubsidized Loan
- Direct Plus Loan

Federal programs administered by the U.S. Dept. of Health and Human Services:
- Health Professions Student Loans (HPSL)

American Dental Association Scholarships:
- Dental Student Scholarships
- Inclusion Student Scholarships

UofL Sources
- Alumni and Merit Scholarships
- Summer Research Stipends

Numerous private sources:
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. Accepted students received additional information

**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
http://louisville.edu/dentistry/financialaid

**ACCOMMODATIONS AND SERVICES**

**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; coordinating tutoring services and serving as a student advocate. The School employs a full time Academic Support Counselor to promote student success.
OFFICE OF ACADEMIC AFFAIRS
The dental school Program Coordinator manages all student records and maintains student files for those enrolled in the School of Dentistry. The Coordinator collects and distributes grades, rankings and provides services to students who need unofficial University records and ancillary documents to support their applications for licensure, graduate/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" and a short drive from Bardstown Road. Med-Dent houses many non-traditional and international students from India, China and Spain.

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.

24 Hour Visitation
Laundry facilities located on every floor
Playroom located in the basement for children
1 internet drop available per apartment
1 VoIP phone available per apartment
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.

Phoenix Place Apartments: 502-582-2801
The Quad: 502-515-2489 (option 3)
The Office of Dental Student Affairs also provides information on private housing options that have been recommended by current and former students.

ACADEMIC POLICIES AND DEGREE REQUIREMENTS

GUIDELINES FOR 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. Competed 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.

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 the 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.
POLICY ON INTERNATIONAL STUDENTS APPLYING 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 at: 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 Requirement for DMD program:
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.

ADVANCED STANDING OPTION FOR ADMISSION TO DMD PROGRAM

NOTE: This program 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 (CAAPID) at http://www.adea.org/dental_education_pathways/CAAPID/Pages/default.aspx

Description of Program
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 total number of students admitted is dependent upon the school’s available resources. The program will be customized for each admitted student and will range from two to three years in length.

Contact Information
Dianne Foster
University of Louisville
School of Dentistry
Office of Student Affairs, Room 234
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: D.M.D.
Tuition: Same as ULSD traditional program, Current tuition rates listed on website: https://louisville.edu/dental/dmd/tuition

Requirements to Apply to Program – 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

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

Letter of Evaluation
- Two 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 Fees
- Pay $65 application fee to program online only AFTER requested to do so by program- DO NOT send payments to ULSD until requested.

Special notes:
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.

Applicants- please DO NOT submit original documents to ULSD. Only admitted students are required to submit original documents directly to ULSD.

MINIMUM TECHNICAL STANDARDS FOR ADMISSIONS 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 the following technical standards with or without reasonable accommodation.

1. **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.

2. **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.
3. Communication
Candidates must have sufficient facility with the English language to: (a) retrieve information from texts and lectures and communicate concepts on written exams and patient charts; (b) 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 (c) 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.

4. 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.

5. 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.

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 Academic Support Counselor.

REQUESTS REGARDING DISABILITY
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.

Guidelines for Students with Disabilities
*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 (119 Stevenson Hall, 852-6938) 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.

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 following the ADA Grievance Procedure. 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 for additional information on the grievance procedure.

Applying for and requesting Support Services
Referrals: 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 or to the Director when DRC staff has questions regarding the appropriate staff member to work with a student.

- **Colleen Martin, Director**: Physical Disability, Psychological Disability, Deaf, Hard of Hearing, Chronic Health, Temporary and Other Disability Services
collen.gettys@louisville.edu
- **Katheryn Lane, Disability Resources Coordinator - Senior**: Blind / Visual Impairment Services, Accommodated Exam Program
katheryn.lane@louisville.edu
- **Teresa Fisher, Program Assistant-Senior**: Accommodated Exam Program
Teresa.fisher@louisville.edu
- **Nick Wright, Note Taker Coordinator**: Supervision of Note Taking Services
nlwrig03@louisville.edu

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. Read our [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 (available at the Disability Resource Center) and submitting the form along with a copy of class schedule to the appropriate DRC Coordinator. 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 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.

ORGANIZATIONS AND ACTIVITIES
American Dental Education Association
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 Associations exist to motivate, educate, and equip Christian physicians, dentists, and students to practice a morally and spiritually centered profession.

**Hispanic Student Dental Association**
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**
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.

**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. These policies are located on a Blackboard organization available to students.

The Academic D.M.D. Program Policies are defined to provide uniform coordination and consistency for the management of the D.M.D. educational program. Department and University policies exist for the following items discussed. The policies are developed within the context of the University of Louisville Student Handbook which sets forth University Policies and
Guidelines for students. Any individual who enrolls in ULSD voluntarily accepts 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, academic integrity, and definition of cheating.

**CRITERIA FOR GRADUATION**

1. The student must have completed all required courses and selective courses in which he/she enrolled and have no outstanding "I", "X", or "F" grades.
2. "D" grades indicate poor performance and are not acceptable for clinical disciplines.
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.

Successful and timely completion of all courses and the requirements therein 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 be subject to dismissal. Students in a dual degree program may request from the Dean a waiver of the 6 year requirement.

**PROMOTION AND CLINIC PRIVILEGES**

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

**DETERMINATION OF GRADE POINT AVERAGE (GPA)**

A cumulative grade point average is calculated as an indicator of overall academic performance in the D.M.D. 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. Only course grades required in the D.M.D. program of study are used in the calculation of the grade point average. **Basic Science courses are permitted to use the plus or minus; all other courses in the DMD curriculum use letter grades only with no plus or minus.**

(see note below regarding Oral Biology or other non D.M.D. courses taken while enrolled as a D.M.D. candidate)

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

<table>
<thead>
<tr>
<th>Grade</th>
<th>Quality Points</th>
<th>Grade</th>
<th>Quality Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>A+</td>
<td>4.0</td>
<td>C</td>
<td>2.0</td>
</tr>
<tr>
<td>A</td>
<td>4.0</td>
<td>C-</td>
<td>1.7</td>
</tr>
<tr>
<td>A-</td>
<td>3.7</td>
<td>D+</td>
<td>1.3</td>
</tr>
<tr>
<td>B+</td>
<td>3.3</td>
<td>D</td>
<td>1.0</td>
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<td>B</td>
<td>3.0</td>
<td>D-</td>
<td>0.7</td>
</tr>
<tr>
<td>B-</td>
<td>2.7</td>
<td>F</td>
<td>0.0</td>
</tr>
<tr>
<td>C+</td>
<td>2.3</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

"P/F", "X", and "I" grades shall not be used in calculating a GPA.
All courses are assigned credit hours by the Curriculum Committee. By multiplying the credit hours for each course by the quality points earned in the course, the total number of academic points for the semester's course work is determined.

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

Note:

Oral Biology or Other non-D.M.D. courses

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

CRITERIA FOR HONORS

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' D1 and D2 semesters.
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 for that term.
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 for that term.
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 required course during the term just completed. Also, the student may not have an "I" or "X" grade unresolved from any of the previous semesters.

Graduation Honors
Candidates for graduation who have achieved the appropriate GPA prior to the date of graduation will have the honor designated on their diploma and receive an appropriate University recognition to be worn at the commencement ceremony.

Grades earned during the terminal semester (i.e. second semester of the D4 year) are not included in the determination of the candidate's GPA. Therefore, candidates who will have
earned honors after the current term’s grades are recorded will not have honors on their diploma, nor be recognized at the commencement ceremony, but will have honors recorded on their permanent record and final transcripts.

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

* 3.700 or higher          \textit{cum laude}
* 3.800 or higher          \textit{magna cum laude}
* 3.900 or higher          \textit{summa cum laude}

**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. These honors and awards are presented to recipients during the regular academic session, to which students, their families, and members of the faculty are invited. First and Second Year Basic Science Awards are presented at the Basic Science Awards luncheon during the first quarter annually.

**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. This honor, which includes an engraved plaque and a cash award, is presented during the annual meeting of the Kentucky Section of the American College of Dentistry.

**Basic Science Departmental Awards**
Each basic science department recognizes one dental student each year for outstanding academic accomplishments in its discipline. 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 from the department presenting the award.

**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
  - American Academy of Oral and Maxillofacial Pathology
  - American Dental Society of Anesthesiology
  - X. Elwood Sanders Oral Surgery Award
  - American Academy of Oral and Maxillofacial Radiology
- **Oral Medicine:**
  - American Academy of Oral Medicine
- **Oral Pathology:**
  - American Academy of Oral Pathology
- **Orthodontics:**
• American Association of Orthodontists
• Pediatric Dentistry:
  o American Academy of Pediatric Dentistry Award
  o Dr. Robert D. Elliott Pediatric Dentistry Award
• Periodontics:
  o American Academy of Periodontology
  o Quintessence Book Award for Clinical Achievement in Periodontics
• Preventive Dentistry:
  o Alliance to the Louisville Dental Society Award
• Prosthodontics:
  o Dentsply International Merit Award in Removable Prosthodontics
  o Hanau Prosthodontic Award
  o L.D. Pankey Occlusion Award
  o Southeastern Academy of Prosthodontics
  o ICOI/Sullivan-Schein Dental Pre-doctoral Achievement Award
  o AAID Undergraduate Dental Student Award
  o Academy of Osseointegration Outstanding Dental Student in Implant Dentistry
  o American College of Prosthodontists Predoctoral Student Prosthodontic Achievement Award
• Diagnosis and General Dentistry:
  o Louisville Dental Society Professionalism Award
  o Quintessence Book Award for Clinical Achievement in Restorative Dentistry
  o American Academy of Orofacial Pain
  o Academy of Dental Materials
  o Academy of Operative Dentistry
  o American Academy of Esthetic Dentistry
  o Dr. J.L. Shaver, Jr. FAGD Kentucky Academy of General Dentistry
• Community Dentistry
  o The American Association of Public Health Dentistry
  o 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
• Scholastic Achievement Award of Psi Omega Fraternity
• Alpha Omega International Dental Fraternity Award

**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 biosciences and research. Students are eligible for induction after their successful completion of two full years in the dental curriculum.
International College of Dentists Award
This award is presented to the graduating dental student who has shown the greatest amount of professional growth during the undergraduate dental program.

Omicron Delta Kappa
This national honorary leadership fraternity of outstanding graduates elects students who are outstanding in leadership in fields of scholarship, social and religious affairs, athletics, publications, and speech, music, and dramatic arts. The 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. Twelve percent of 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 April. The recipients are also recognized during the Senior Awards ceremony in May. 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.

EARLY INTERVENTION
It is the student's responsibility to inquire about his/her academic progress, seek help, and request remedial work when necessary. Early intervention is often effective in permitting successful resolution of academic difficulties. 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, who work together to provide remedial assistance including student counseling, revising a student's schedule, tutor assignment, or course director discussion.

“I” (INCOMPLETE) GRADES 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 the “I” and “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 GRADES
Certain courses may use the Pass/Fail system of identifying academic success, subject to approval by the Curriculum Committee. If used, the course grade will not affect the computation of the GPA.
**“F” GRADES**

1. The “F” grade indicates failure to achieve at an acceptable level.
2. A student may not graduate without passing all required courses and selectives in which they are enrolled.
3. A student cannot receive “DEAN’S LIST” OR “DEAN’S SCHOLAR” recognition for a term in which an “F” grade is received.
4. 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 and the Associate Dean for Academic Affairs.
5. A course taken an 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.
6. 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.

**FAILURE OF A COURSE(S)**

If a student fails a course(s), the SPPC is notified before or 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;
2. eligible to repeat the course and continue with their class (cohort);
3. called for a Performance Evaluation Hearing.

**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 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 will require that students successfully complete the NBDE and/or 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% of the items are intermingled, discipline-based; approximately 20% 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%), Children (30%). 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.
5. Evaluate progress and complications.
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) has 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 boards’ perspective. The new test relies less on rote 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 basic sciences and dental and clinical science.

NBDE Part I administration is scheduled to cease on July 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.
**DMD PROGRAM CURRICULUM**

**2019-2020 ACADEMIC YEAR**

**FIRST YEAR**

**FIRST YEAR, FALL**
- BMSC 802 Histology
- BMSC 805 Physiology
- GDOM 800 Dental Anatomy & Occlusion (Lecture)
- GDOM 801 Dental Anatomy & Occlusion (Laboratory)
- GDOM 802 Introduction to Preventive Dentistry
- OHR 801 Infection Control
- GDOM 807 Evidence Based Decision Making in Dentistry
- OIID 800 Correlated Sciences

**FIRST YEAR, SPRING**
- BMSC 809 Survey of Dental Gross & Neuroanatomy
- BMSC 804 Biochemistry
- GDOM 803 Preclinical Operative Dentistry I (Lecture)
- GDOM 804 Preclinical Operative Dentistry I (Laboratory)
- GDOM 805 Introduction to Clinical Dentistry I
- OPSC 800 Growth and Development
- OHR 830 Periodontics I
- SUHD 813 Oral Radiology I

**SECOND YEAR**

**SUMMER SESSION (S1)**
- BMSC 806 Microbiology and Immunology
- SUHD 814 Oral Radiology II
- SUHD 802 Pain and Anxiety Control in the Dental Patient

**SECOND YEAR, FALL**
- SUHD 821 General Pathology
- GDOM 882 Preclinical Occlusion & Temporomandibular Disorders
- OHR 835 Periodontics II
- OHR 861 Introduction to Indirect Restorations (Lecture)
- OHR 862 Introduction to Indirect Restorations (Laboratory)
- OHR 867 Preclinical Complete Dentures I (Lecture)
- OHR 868 Preclinical Complete Dentures I (Laboratory)
- OPSC 804 Pediatric Dentistry I

**SECOND YEAR, SPRING**
- SUHD 803 Oral Pathology
- GDOM 812 Introduction to Clinical Dentistry II
- GDOM 815 Preclinical Operative Dentistry II
- GDOM 824 Preclinical Treatment Planning
- SUHD 815 Clinical Oral Radiology
- OHR 838 Periodontal Modular Learning
- OHR 863 Removable Partial Dentures (Lecture)
- OHR 864 Removable Partial Dentures (Laboratory)
OHR 865 Preclinical Fixed Prosthodontics I (Lecture)
OHR 866 Preclinical Fixed Prosthodontics I (Laboratory)
OHR 870 Introduction to Implant Dentistry
OPSC 805 Orthodontics Principles and Techniques
OPSC 815 Preclinical Pediatrics (Lecture and Laboratory)

THIRD YEAR
SUMMER SESSION (S2)
OHR 805 Endodontics I

THIRD YEAR, FALL
BMSC 807 Pharmacology and Dental Therapeutics
GDOM 831 Operative Dentistry III
GDOM 835 Oral Medicine
OHR 840 Periodontics III
OHR 881 Implant Dentistry
OHR 885 Complete Dentures I (Lecture)
OPSC 806 Pediatric Dentistry II
SUHD 805 Principles of Oral Surgery I

THIRD YEAR, SPRING
OHR 815 Endodontics II
OHR 818 D3 Clinical Endodontics
OHR 886 Clinical Complete Dentures I
GDOM 830 Dental Clinical Pharmacology
GDOM 832 Introduction to Practice Management
GDOM 833 Clinical Treatment Planning I
GDOM 842 Restorative Dentistry Review
GDOM 849 Ethical Issues in Dentistry
OPSC 811 Concepts in Special Patient Care
OPSC 816 Pediatric Special Needs
SUHD 806 Principles of Oral Surgery II
SUHD 807 Clinical Oral Surgery I
SUHD 816 Advanced Radiologic Interpretation

THIRD YEAR, SELECTIVES
OHR 856 Advanced Periodontics (Spring)
IDSC 860 Interdisciplinary Service Learning International Project (Fall and Spring)
IDSC 861 International Exchange Program/Poland University (Fall)
IDSC 874 International Community Service Project (ISLP) (Spring)

FOURTH YEAR
FOURTH YEAR, FALL
GDOM 841 D4 Practice Management
GDOM 856 Special Topics in Clinical Dentistry
OHR 850 Advanced Periodontics
OPSC 809 Clinical Orthodontics
SUHD 808 Clinical Oral Surgery II
SUHD 811 General Medicine in Dentistry
### FOURTH YEAR, SPRING

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<td>D4 Clinical Endodontics</td>
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### FOURTH YEAR, SELECTIVES

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### D1 Year

#### Courses by Category

**Biomedical Science Courses**

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**Oral Health Sciences Courses**

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## D2 Year

### Courses by Category

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#### Oral Health Sciences Courses

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### Biomedical Science Courses

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### Oral Health Sciences Courses

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Course Prefixes
BMSC  Basic Medical Science
GDOM  General Dentistry and Oral Medicine
IDSC  Interdisciplinary Studies
OPSC  Orthodontic, Pediatric Dentistry and Special Care
OHR  Oral Health and Rehabilitation
OIID  Oral Immunology and Infectious Diseases
SUHD  Surgical and Hospital Dentistry

COURSE DESCRIPTIONS and CREDIT HOURS

BMSC 802 Histology  (5 credit hours)
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 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.

BMSC 804 Biochemistry  (5 credit hours)
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.

BMSC 805 Physiology  (6 credit hours)
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.

BMSC 806 Microbiology and Immunology  (4 credit hours)
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.

BMSC 807 Pharmacology and Dental Therapeutics  (4 credit hours)
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.

**BMSC 809 Survey of Dental Gross and Neuroanatomy** (7 credit hours)
This course is designed for 1st year Dental students. 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.

**GDOM 800 Dental Anatomy and Occlusion Lecture** (1 credit hour)
Dental Anatomy is a preclinical course comprised of a lecture series designed to teach D1 students the 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.

**GDOM 801 Dental Anatomy and Occlusion Laboratory** (3 credit hours)
The laboratory component of Dental Anatomy and Occlusion is a preclinical to D1 dental students. Technical skills utilizing dental wax to recreate anatomical crown morphology and function are developed.

**GDOM 802 Introduction to Preventive Dentistry** (1 credit hour)
Introduction to Preventive Dentistry 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.

**GDOM 803 Preclinical Operative Dentistry (Lecture)** (2.5 credit hours)
Prerequisite: GDOM 800
Preclinical Operative Dentistry is a preclinical course comprised of a lecture series designed to familiarize 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 presented in that course are applied to operative dentistry.

**GDOM 804 Preclinical Operative Dentistry (Laboratory)** (3 credit hours)
Laboratory series that is designed to introduce the first year 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 used in the placement of composite resin and amalgam restorations are developed.
GDOM 805 Introduction to Clinical Dentistry I  (2.5 credit hours)
This course serves to introduce the 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. Blackboard and Panopto will be used for this course. Various classroom assessment techniques will be used to promote learning and increase your ability to become more effective, self-assessing, self-directed learners.

GDOM 807 Evidence Based Dentistry  (0.5 credit hour)
Evidence-based Decision Making is a lecture course regarding the use of the best available evidence together with a clinician's expertise and a patient's 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. At its best, this process involves presentation of accurate information about alternative strategies, including no treatment, in an unbiased fashion so that individual preferences and values can be integrated with science.

GDOM 812 Introduction to Clinical Dentistry II  (3 credit hours)
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.

GDOM 815 Preclinical Operative Dentistry II  (1 credit hour)
Consist of a lecture and laboratory series that is designed to introduce the 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.

**GDOM 820 Community Service** (0.5 credit hour)
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 his or her community.

**GDOM 824 Preclinical Treatment Planning** (4 credit hours)
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.

**GDOM 830 Dental Clinical Pharmacology** (2 credit hours)
Prerequisite: BMSC 807
This course presents 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.

**GDOM 831 Operative Dentistry III** (0.5 credit hour)
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.

**GDOM 832 Introduction to Practice Management** (1 credit hour)
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.

**GDOM 833 Clinical Treatment Planning I** (3 credit hours)
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.

**GDOM 834 Clinical Operative Dentistry I** (4.5 credit hours)
**GDOM 846 Clinical Operative Dentistry II** (6 credit hours)
Courses provide experience in the operative dentistry clinic during the D3 and D4 years that enables the student to obtain clinical experience in providing operative dentistry treatment for clinical patients. Basic procedures mastered in the preclinical 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. Successful completion of required competency examinations necessitate some degree of speed and accuracy in treating clinical patients. No student will be allowed to graduate without proving his/her competence in operative dentistry. If the student fails to perform at an acceptable, competent level, he/she will receive the necessary remediation before being advancing in the clinical operative dentistry curriculum.

**GDOM 835 Oral Medicine** (3 credit hours)
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.

**GDOM 840 Integrated Clinical Sciences I** (4 credit hours)
**GDOM 855 Integrated Clinical Sciences II** (4 credit hours)
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.

**GDOM 841 Senior Practice Management** (3 credit hours)
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.

GDOM 842 Restorative Dentistry Review (1 credit hour)
The Restorative Dentistry Review course is presented in an online format. This is an online assignment to prepare each of you for possible topics on the National Boards Dental Examination Part II. Please review the course syllabus before attempting the assignment. The 50-question exam will be posted in Blackboard under “Assignments”. Your progression through the questions will be tracked and you must complete them all to “Pass” this course. There will be an absolute deadline before which all questions must be answered, as access to the exam will close. This course is not only for NBDE Part II, but is also critical information that is necessary as you continue to progress through clinical operative dentistry.

GDOM 844 Clinical Treatment Planning II (2 credit hours)
The Clinical Treatment Planning II 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.

GDOM 845 Clinical Diagnosis (3 credit hours)
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.

GDOM 848 Clinical Extramural Experience (4 credit hours)
Students in good academic standing as required for the ULSD clinic 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 prison. Besides performing clinical work, students are expected to describe practice management concepts and systems and to investigate the interrelationships of the health care system with the community. The instructional mode is Community-Based Learning (CBL).

GDOM 849 Ethical Issues in Dentistry (1 credit hour)
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.

GDOM 856 Special Topics in Clinical Dentistry (1 credit hour)
This class is presented in an online format. This is a multi-disciplinary series of online lectures designed to update and review the most current information in clinical pharmacology, prosthodontics, and related dental materials. The objective of the course is to prepare the student to successfully integrate these subject areas into their private practice experience. The material in this course directly impacts the National Board Exam(s).

GDOM 879 Introduction to Photography in Dentistry (selective) (1 credit hour)
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.

GDOM 881 Advanced Occlusion & Restorative Concepts (selective) (1 credit hour)
Advanced occlusal concepts with an emphasis on restorative concerns will be the major focus of the class. The course will be discussion led and will lead 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.

GDOM 882 Preclinical Occlusion & TMD (3 credit hours)
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.

OPSC 800 Growth & Development (1 credit hour)
This course will introduce the D1 dental student to the anatomical, physiological and psychosocial 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.
OPSC 804 Pediatric Dentistry I (1 credit hour)
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.

OPSC 805 Principles of Orthodontics (1 credit hour)
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.

OPSC 806 Pediatric Dentistry II (1 credit hour)
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.

OPSC 809 Clinical Orthodontics (1.5 years) (1 credit hour)
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.

OPSC 811 Concepts in Special Patient Care (1 credit hour)
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 operatory, 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.

**OPSC 813 Clinical Pediatric Dentistry** (2 years) (3 credit hours)
The Clinical Pediatric Dentistry course is completed on a block assignment rotation basis. A rotation schedule will be provided. On completion of this course a student should will feel confident about patient management, diagnosis, treatment plan and comprehensive dental care for the child patient.

**OPSC 815 Preclinical Pediatric Dentistry (Lecture and Lab)** (3 credit hours)
This is a three credit hour course that introduce D2 student to pediatric dentistry to make appropriate treatment decisions and recommendations to patients. Some basic treatment techniques are taught so that you will be prepared, with supervision, to understand and solve patients problems that may be confronted in the clinic. The class periods will usually be divided into a lecture section followed by a laboratory period. The lecture will cover essential principles in pediatric dentistry, and also the theory and technique of the exercise designed to perfect the motor skills of a student before performing procedures in the clinical setting to be covered in the laboratory period.

**OPSC 816 Pediatric Special Needs** (1 credit hour)
The American Academy of Pediatric Dentistry (AAPD) defines Special Health Care Needs as “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 students will receive didactic and clinical instruction.

**OHR 801 Infection Control** (1 credit hour)
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.

**OHR 805 Endodontics I** (3 credit hours)
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.

OHR 815 Endodontics II
(1 credit hour)
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.

OHR 818 D3 Clinical Endodontics
(1 credit hour)
D3 Clinical Endodontics is a third year course in the pre-doctoral endodontic curriculum. This course will provide clinical experience in both diagnosis and treatment of diseases of the pulp and periapical region. It will emphasize clinical application of principles taught in the endodontic technique course (Endodontics I) and in the didactic endodontic (Endodontics II) course.

OHR 825 D4 Clinical Endodontics
(2 credit hours)
D4 Clinical Endodontics is the final course in the pre-doctoral endodontic curriculum. This course continues to emphasize diagnostic and therapeutic procedures as well as provide additional experience in the clinical application of principles taught in foundation courses. In addition, the student dentist is exposed to management or treatment of the more complicated endodontic therapy.

OHR 828 Endodontic (Selective)
(1 credit hour)
The discipline of Endodontics is in its evolutionary process and growth as a specialty of Dentistry. The D4 Selective Endodontics course is for those students who have a special interest in endodontics. Over the past ten years, the practice of endodontics has been enhanced by new technology, innovations and evidence-based research.

OHR 830 Periodontics I
(1 credit hour)
This introductory course integrates basic science knowledge into the study of anatomy, physiology and pathology of the tooth supporting tissues.

OHR 835 Periodontics II
(1 credit hour)
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.
OHR 838 Periodontal Modular Learning (2 credit hours)
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, nonsurgical treatment methods and simple suturing techniques. This course will also discuss the psychology of the student doctor/patient relationship.

OHR 840 Periodontics III (1 credit hour)
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.

OHR 850 Advanced Periodontics (1 credit hour)
This class is presented in an online format. The material includes both review of the material that forms the foundation for the study of periodontics and preventive dentistry as well as additional advanced concepts. The main goals of this course are to be an extensive review for the periodontics section of the National Boards Part II, to review for the case-based section of National Boards Part II, and to cover advanced concepts in patient treatment. A series of lectures and cases will be available that discuss multidisciplinary approaches to diagnose and treatment plan periodontal cases, incorporate basic science principles to evaluate and select appropriate periodontal treatment modalities, explore the literature for updated techniques and current concepts of periodontal therapy, and learn treatment sequences for simulated cases.

OHR 852 Clinical Periodontics (3 credit hours)
Students will demonstrate competency in treating patients with periodontal disease. This includes examination and diagnosis, treatment planning, sealing and root planning, minor surgical procedures and re-evaluation of treatment success and maintenance therapy.

OHR 855 Clinical Preventive Dentistry (3 credit hours)
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.

OHR 856 Advanced Periodontics (Selective) (0.5 credit hour)
Advanced periodontics is for those students who have a special interest in endodontics. This elective course provides a meaningful extension to the basic periodontics courses. This course contains four didactic lectures of one-hour duration, two hand-on sessions, and at least one clinical session in which periodontal surgery will be performed by the students on qualified patients under direct supervision of the course director.

OHR 861 Introduction to Indirect Restorations (Lecture) (2 credit hours)
OHR 862 Introduction to Indirect Restorations (Laboratory) (3 credit hours)
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.

**OHR 863 Removable Partial Dentures (Lecture) (1.5 credit hours)**
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.

**OHR 864 Removable Partial Dentures (Laboratory) (2.5 credit hours)**
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.

**OHR 865 Preclinical Fixed Prosthodontics (Lecture) (1 credit hour)**
**OHR 866 Preclinical Fixed Prosthodontics (Laboratory) (4 credit hours)**
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.

**OHR 867 Preclinical Complete Dentures 1 (Lecture) (1 credit hour)**
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.

**OHR 868 Preclinical Complete Dentures 1 (Lab) (1.5 credit hours)**
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 dentoform patient.
OHR 870 Introduction to Implant Dentistry (1 credit hour)
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.

OHR 881 Implant Dentistry (1 credit hour)
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.

OHR 885 Complete Dentures I (Lecture) (1 credit hour)
The course provides instruction regarding complete denture prosthodontic procedures and is designed to inform the student of the concepts and the “how to” of procedures as related to the fabrication of the complete dentures in a clinical setting. Concepts of complete dentures are reviewed during weekly lectures and applied to the fabrication of complete dentures on patients in the clinics.

886 Clinical Complete Dentures I (3 credit hours)
The experiences in these courses provides clinical instruction regarding complete denture prosthodontic procedures and is designed to inform the student of the concepts and the “how to” of procedures as related to the fabrication of the complete dentures in a clinical setting. Concepts of complete dentures are reviewed and applied to the fabrication of complete dentures on patients in the clinics.

OHR 891 Clinical Complete Dentures II (2 credit hours)
This is a clinical course that allows the students to construct a complete denture on a live patient under the supervision of clinical faculty. A student is assigned to one patient and will complete all procedures required to fabricate a complete denture as described on the Clinical Step Card. Credit will be given when the patient is lesion free for at least 2 weeks. The student is expected to view the videos in BB for that step of patient treatment before each clinical appointment and be prepared with necessary lab procedures completed and armamentarium in place. Students are to review the material available before coming to clinic to perform the procedures on a patient. Clinical procedures will be graded on the Clinical Step Card.

OHR 893 Clinical Removable Partial Dentures (3 credit hours)
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.

OHR 895 D4 Clinical Fixed Prosthodontics (2 years) (5 credit hours)
Experiences in Clinical Fixed Prosthodontics enable the student to apply the knowledge and skills learned in the preclinical fixed prosthodontics courses to patient care. These experiences will be obtained in student clinics, and may encompass all Fixed Prosthodontic options. Such options include esthetic and non-esthetic single crowns and fixed dental prosthesis fabricated from a variety of materials and using a variety of methods. All procedures will be completed with a patient-centered and ethical approach to treatment planning and delivery, with emphasis on timely treatment and sequencing, optimum function, and esthetics. As the student demonstrates improved skills and documents competency in performance of Fixed Prosthodontic procedures, more complicated treatments may be undertaken, inclusive of more advanced concepts and clinical options.

SUHD 802 Pain and Anxiety Control  (3 credit hours)
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.

SUHD 803 Oral Pathology  (4 credit hours)
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.

SUHD 805 Principles of Oral Surgery I  (1 credit hour)
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.

SUHD 806 Principles of Oral Surgery II  (1 credit hour)
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.

SUHD 807 Clinical Oral Surgery I (4 credit hours)
This course provides a clinical learning experience, culminating the didactic theory and techniques of exodontia and minor oral surgery for dental students.

SUHD 808 Clinical Oral Surgery II (2 credit hours)
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.

SUHD 811 General Medicine in Dentistry (1 credit hour)
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.

SUHD 813 Oral Radiology I (2 credit hours)
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.

SUHD 814 Oral Radiology II (1 credit hour)
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.

SUHD 815 Clinical Oral Radiology (1 credit hour)
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.

**SUHD 816 Advanced Radiologic Interpretation**  (1 credit hour)
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.

**SUHD 821 General Pathology**  (5 credit hours)
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 includes etiology (cause), pathogenesis (mechanism of disease development), pathophysiology (how alterations of diseased tissue affect body functions), clinical features (signs and symptoms), diagnosis, prognosis (course of disease).

**OID 800 Correlated Sciences**  (1 credit hour)
Prerequisite: Acceptance to the DMD program.
OID 800 is provided in the first semester of the DMD program. The diverse range of lectures in this course is intended to introduce the concept of the need to maintain holistic scientific expertise of the entire body and latest research when providing dental care. This course will introduce anatomical, histological, immunological, biochemical, microbiological, pharmacological and pathological research concepts that will, ultimately, lead to improvements in the examination, evaluation, diagnosis and / or treatment of dental patients. This course will introduce the wide range of clinical, basic and translational research that currently takes place in the School of Dentistry and inform you as to how you can become actively involved.

**Interdisciplinary Studies**

**IDSC 851 Post Dental Studies**  (1-10 credit hours)
**IDSC 860 Interdisciplinary Service Learning**  (3 credit hours)
**IDSC 861 International Dental Exchange Scholarship Program**  (2 credit hours)
**IDSC 871 Faculty Advanced Standing**  (0 credit hours)
**IDSC 873 Dental Fellow/Scholar**  (0 credit hours)
**IDSC 874 International Community Dental Service Project**  (2 credit hours)

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