



# **College of Dental Medicine**

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**2014/2015 Catalog**

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# College of Dental Medicine

## Doctor of Dental Medicine Program

### Accreditation

The College of Dental Medicine's Doctor of Dental Medicine (DMD) program is accredited and has been granted the status of "approval without reporting requirements" by the Commission on Dental Accreditation of the American Dental Association at its August 2013 meeting.

The Commission is a specialized accrediting body recognized by the United States Department of Education. The Commission on Dental Accreditation can be contacted at (312) 440-4653 or at 211 East Chicago Avenue, Chicago, IL 60611-2678."

### Vision

Western University of Health Sciences' College of Dental Medicine will be a premier center for integrative educational innovation, basic and translational research, and high quality, patient-centered, interprofessional health care; all conducted in a setting that utilizes advanced technology and promotes individual dignity and potential for personal and professional growth.

### Mission

The WesternU College of Dental Medicine will realize this vision by educating and training highly competent, diverse groups of clinical practitioners who have the ability to provide complex, integrative, high-quality, evidence-based care for patients, families and communities. WesternU College of Dental Medicine will produce graduates who will be ethical, caring life-long learners; who will collectively engage in clinical oral health care, public health practice, biomedical and health services research, education and administration; and who will fulfill their professional obligation to improve the oral health of all members of society, especially those most in need. They will embrace scientific and technological advances and understand the connections between oral health and general health. They will be partners in the interprofessional health care delivery systems of the future, as well as leaders of their own oral health care teams, as they enhance and extend the quality of life in their communities.

### Values/Goals

- Education/Teaching
- Patient Care
- Research
- Service

### Personal Competencies for Admission and Matriculation

Candidates for the Doctor of Dental Medicine program must have the intellectual, emotional, and physical abilities, with or without accommodations, to acquire the knowledge, technical, and clinical skills needed to successfully complete the curriculum in order to pursue a career in dentistry. Reasonable accommodations for persons with disabilities will be considered on an individual basis, but a candidate must be able to perform in an independent manner.

The practice of dentistry requires the performance of specific functions that fall into five broad skills categories: observation, communication, motor, interpretive/conceptual/quantitative, and behaviors/social.

### **Observation Skills**

**Basic Sciences:** A candidate must be able to acquire a defined level of required information as presented through demonstrations and experiences in the basic and dental sciences. This includes, but is not limited to, information conveyed through physiologic and pharmacological demonstrations in animals and microscopic images of microorganisms and human or animal tissues in normal and pathologic states. A candidate must be able to acquire information from written documents and to visualize information presented as paper, films, slides, video, and computer images. A candidate must be able to interpret radiographs (x-rays) and other graphic images, with or without the use of assistive devices. A candidate must have functional use of visual, auditory, and somatic sensation while using appropriate enhancement of sensory modalities (such as microscopes, stethoscopes, etc.).

**Clinical Sciences:** A candidate must be able to observe a patient accurately, at a distance, and close at hand, and observe and appreciate non-verbal communications when performing general dentistry treatment or administering medications.

A candidate must be able to perform visual and tactile dental examinations and treatment including use of visual acuity, with or without accommodations, to discern slight differences and variations in color, shape, and general appearance between normal and abnormal soft and hard tissues. Use of tactile senses may be either direct palpation or indirect through instrumentation. A candidate must also possess the visual acuity to read charts, records, small print and handwritten notation, and distinguish small variations in colors both intra- and extra-orally.

### **Communication Skills**

A candidate must be able to communicate clearly and effectively with a degree of sensitivity with patients, parents, and/or guardians; establish good rapport, convey or exchange information at a level allowing development of a health history; identify problems presented; explain alternative solutions; and give directions during treatment and post-treatment. For effective patient treatment, the candidate must be able to communicate with patients, parents, guardians, and all members of the dental and medical health care team effectively and efficiently. Communication must be culturally appropriate. Communication includes oral and written modes. This requires the ability to understand, write, and speak fluent English. The candidate must also be able to recognize nonverbal communication cues.

### **Motor Skills**

A candidate should have a sufficient level of manual dexterity such that he/she is able to execute the fine movements required to provide general dental care and treatment to patients within a specified amount of time. It is required that a candidate possess the manual motor skills necessary to directly perform diagnostic and treatment maneuvers associated with the practice of general dentistry. Such maneuvers require coordination of both gross and fine muscular movements, equilibrium, and functional uses of the senses of touch, hearing, and vision. A candidate must be able to perform basic life support, transfer and position disabled patients, and position and reposition self around patients in various treatment settings. The candidate must be able to operate dental equipment controls utilizing fine hand movements, position and move dental instruments, and move in all directions within one

millimeter of tolerance. Candidates must be able to work in the proper ergonomic positions appropriate to the delivery of dental treatment for extended periods of time.

### **Interpretive/Conceptual/Quantitative Skills**

A candidate must be able to measure, calculate, reason, analyze, integrate, and synthesize information. A candidate must be able to comprehend and mentally visualize three-dimensional relationship and to understand the spatial relationships of structures. Problem solving and clinical decision making and critical thinking skills demanded of a general dentist require all of these intellectual abilities. A candidate must be able to perform these problem-solving and critical thinking skills in a timely fashion for effective patient treatment.

### **Behaviors and Social Skills**

A candidate must possess the emotional health and maturity required for full utilization of his or her intellectual abilities, the exercise of good judgment, maintenance of patient confidentiality, the prompt completion of all responsibilities attendant to the diagnosis and care of patients and the development of mature, sensitive, and effective relationships with patients, faculty, staff, and fellow students. A candidate must recognize that the curriculum is physically, mentally, and emotionally demanding. She/he must be able to tolerate physically and emotionally demanding workloads, function effectively under stress, adapt to changing environments, display flexibility, and learn to function in the face of uncertainties inherent in the clinical problems of patients

### **Physical Health**

To insure compliance with California State Health Department requirements and exhibit exemplary commitment to the rights and integrity of all parties in the education of health care professional students, the College of Dental Medicine has established medical status credentialing requirements that must be completed prior to matriculation. In addition to the skills listed above, candidates for the Doctor of Dental Medicine degree also must be sufficiently free of any serious communicable diseases. Medical status credentialing is designed to ensure that the safety of patients is not compromised while protecting the rights and safety of students as well. For more detailed information, contact <mailto:stu-emphealth@westernu.edu>

The Doctor of Dental Medicine (DMD) program, along with all programs at Western University of Health Sciences, shares a commitment to develop creative ways of opening the DMD curriculum to competitive, qualified individuals with disabilities. In doing so, however, the DMD degree program must maintain the integrity of its curriculum and preserve those elements deemed essential to educating candidates to become effective dentists.

### **Admissions Policies and Procedures**

Candidates for admission to the College of Dental Medicine must demonstrate that they are prepared to function as highly competent, caring students and future health care professionals. The College of Dental Medicine seeks a diverse and balanced student population and considers factors such as grade point average (GPA), a well-rounded background, dentistry related work experiences, community service, interpersonal skills, letters of recommendation, Dental Admission Test (DAT) scores, and a commitment to compassionate health care.

## Application Requirements

1. A minimum of 90 semester hours or 135 quarter hours at an accredited college or university. Candidates who have received or will receive a baccalaureate degree or who have completed units in excess of the minimum required will be given preference. Exceptions may be made on a case-by-case basis.
2. Computer literacy in the operation and management of a laptop computer.
3. All applicants are required to complete the DAT
4. Applicants must complete the following prerequisite courses:

<u>Course</u>	<u>Units</u>
General Biology with Lab	8 semester or 12 quarter units
General or Inorganic Chemistry with Lab	8 semester or 12 quarter units
Organic Chemistry with Lab	8 semester or 12 quarter units
General Physics with Lab	8 semester or 12 quarter units
College English/English Composition	6 semester or 9 quarter units

- a. Prerequisite courses must be successfully completed with a grade of "C" or better at an accredited college or university. A grade of "C-" in any prerequisite course is not acceptable.
  - b. Prerequisite courses must be transferable. Transferable courses are those designated for baccalaureate credit by the college or university offering the courses.
  - c. Prerequisites may not be satisfied by CLEP or credit for experiential learning.
  - d. Introductory level courses in the sciences are not accepted.
  - e. All prerequisite coursework in progress at the time of application must be completed no later than the spring semester or quarter prior to registration date in August. Summer session courses taken immediately prior to matriculation at Western University of Health Sciences are not accepted.
  - f. WesternU does not waive any of the prerequisite courses.
  - g. English as a Second Language (ESL) courses are not accepted for the English requirement.
  - h. Only English may be taken on an advanced-placement basis.
5. Highly Recommended Courses:
    - Biochemistry
    - Human Anatomy

- Human Physiology
- Genetics
- Cellular Biology
- Microbiology
- Calculus I
- Psychology
- Conversational Spanish

### **Experience**

All applicants must have documented a minimum of 30 hours of dental experience, either paid or volunteer. Demonstrated community service through volunteerism or service-oriented employment is encouraged.

### **Standardized Examinations**

1. Dental Admissions Test (DAT)
  - a. All applicants are required to take the DAT. Please visit the [American Dental Association](#) website for more testing information.
  - b. DAT scores are valid for 3 years
  - c. DAT must be taken by October 15<sup>th</sup> of the year you are applying
  - d. Canadian DAT's are not accepted
  - e. DAT scores must be received before the application will be considered
2. Test of English as a Foreign Language (TOEFL)
  - a. The TOEFL, including essay, is required for all applicants submitting coursework from foreign schools, and all permanent and temporary residents of the United States. Exception: The TOEFL exam will be waived for students who have graduated with a confirmed baccalaureate or higher degree from a United States institution at the time of application.
  - b. A minimum score of 213 for the Computer Based test or 79 for the Internet Based TOEFL test must be submitted at the time of application.
  - c. TOEFL scores are valid for two (2) years.
  - d. TOEFL scores will not be waived for pending baccalaureate degrees or pending naturalization appointments.
  - e. For more information regarding the TOEFL test, please visit their website at [www.toefl.org](http://www.toefl.org)

### **Applicants with Foreign Coursework**

Applicants who wish to use coursework completed outside the United States must submit their transcripts for evaluation to a [Western University of Health Sciences Approved Service](#) at the candidate's expense. A course-by-course evaluation is required and all coursework must be designated as undergraduate, graduate, or professional. Western University of Health Sciences only honors evaluations from one of the above services. The official evaluation must be included with the supplemental application packet.

### **International Students**

International students and any other applicants who are not U.S. citizens and who are living in the U.S. should be prepared to provide proof of legal U.S. residency at the time of interview. Proof of legal U.S. residency is required prior to any offer of acceptance. For more detailed information, please visit our web page for [International Students](#).

### **Application Procedures and Deadlines**

The Associated American Dental Schools Application Service (ADEA AADSAS) simplifies the application process by providing one standardized form, relieving students of the need to complete multiple applications. For additional information regarding the AADSAS application process and associated deadlines, please visit: <https://portal.aadsasweb.org/>.

A mandatory supplemental application (provided by WesternU) is available on-line to all applicants. The supplemental application deadline is December 1<sup>st</sup> of the year prior to which the applicant intends to matriculate in the DMD program. A non-refundable application fee of \$60 must be submitted with the supplemental application materials. All application materials must be returned as part of one supplemental application packet.

To request an informational brochure and/or information about the CDM application process, contact the Office of Admissions or visit our website at:

Office of Admissions  
Western University of Health Sciences  
309 E. 2<sup>nd</sup> Street  
Pomona, CA 91766-1854  
(909) 469-5335

<http://prospective.westernu.edu/dentistry/welcome-2/>

### **Transfers from Other Schools**

#### ***Eligibility***

To be eligible for admission with advanced standing as a transfer student, applicants must be currently enrolled in a United States (US) or Canadian dental school, and in good academic and professional standing. First consideration will be given to applicants whose personal circumstances compel them to transfer.

#### ***Application Process***

While the Western University of Health Sciences, College of Dental Medicine does not have a specific program designed for candidates seeking admission to the DMD program with advanced standing, it is possible for dental students currently enrolled in a US or Canadian dental school to be considered for admission with advanced standing contingent on space availability. To initiate the process, applicants need to submit a detailed letter describing the reason for the transfer request to the Office of Admissions no later than February 1<sup>st</sup> of the year that they wish to matriculate. After review of the submitted request and the projected space availability for the upcoming academic year, the Admissions and Selection Committee will forward an application to the applicant. The completed application should be returned to the Office of Admissions along with the following:

- a) The supplemental application fee (payable to the Western University of Health Sciences)
- b) A letter from the Dean of the applicant's current dental school, verifying that the student is currently enrolled and is in good academic and professional standing
- c) Official DAT score report
- d) Official undergraduate transcript
- e) Official dental school transcript
- f) National Board Dental Examination score report (where applicable)
- g) Current dental school catalog

#### ***Preliminary Review***

Once the required documents have been submitted, the College of Dental Medicine's Admissions and Selection Committee will review the applicant's completed application. Candidates being considered for admission with advanced standing will be interviewed by the Committee.

#### ***Review by Course Directors***

Based on the outcome of the interview, and at the request of the Admissions and Selection Committee, candidates who are recommended for possible admission with advanced standing will need to provide copies of all course syllabi for courses completed and in progress at their current dental school. College of Dental Medicine Course Directors (or their designees) will review the course syllabi and, if necessary, communicate directly with candidates when further clarification is needed. Course Directors /designees will provide the Office of Academic Affairs with recommendations regarding the candidate's placement within the curriculum.

#### ***Admissions and Placement Decisions***

The Admissions and Selection Committee makes the final recommendation regarding admission. The Student Performance Committee develops specific recommendations regarding placement or modification to the student's curriculum or course requirements to accommodate individual needs. The Office of Admissions and the Office of Academic Affairs coordinate final placement arrangements. The Admissions and Selection Committee will make a recommendation to the Dean who will make the final decision no later than April 1st. The Dean notifies applicants regarding admission decisions and, if

indicated, placement decisions. Space must be available within the projected class in order for an offer of admission to be extended.

### **Registration**

All DMD students are required to register by the registration deadlines specified by the University Registrar. Registration dates are posted at: <http://www.westernu.edu/registrar/registrar-online-information/>. Failure to register by the deadline may be grounds for administrative withdrawal. All students registering after the posted deadline will be assessed a \$30.00 per business day late fee.

Full tuition and fees and all prior debts must be paid in full on or by posted deadlines each academic year. Matriculation is subject to the satisfactory completion of all academic requirements and payment of all outstanding debts to the University. The receipt of a final transcript(s) from all colleges/universities attended and a physical examination with documentation of required immunizations prior to registration are additional requirements for incoming students. Also, all students must show proof of current health insurance coverage by the deadlines provided by the University Registrar. This coverage must be maintained or in effect throughout the academic year. If there is no proof of current coverage, students will be automatically enrolled in the school sponsored insurance plan.

Attendance at Orientation is mandatory for all incoming first-year students.

### **Full-time/Part-Time Status**

All students enrolled in at least one class/rotation are considered full-time students.

### **Time Limits**

The Doctor of Dental Medicine program is designed to be completed in four (4) years of full-time study. The requirements for the degree must be fulfilled within 6 years from the date of matriculation to the program.

### **Additional DMD Program Education Requirements**

All students are required to have a laptop computer with internet access; specification will be provided prior to matriculation.

### **Tuition and Fees**

By action of the Board of Trustees, DMD tuition and fees for the 2014-2015 academic year (subject to change) are as follows:

\$64,870.00	Annual Tuition
\$40.00	Student Body Fee

### **Other Fees and Expenses**

\$5,570.00	Dental Instrument Lease Fee
\$1,000.00	Electronic Textbook and Digital Media Fees
\$1,000.00	Surgical Magnification Kit
\$30.00	Registration Late Fee (per business day)
\$350.00	Graduation Fee
\$470.00	Annual Parking Permit (Auto)
\$25.00	Parking Permit Replacement Fee
\$40.00	Locker Key Replacement Charge
\$10.00	Official Transcript (Each)

\$21.00	Rush Transcript, First Class Mail (Each)
\$25.00	Rush Transcript, Federal Express (Each)
\$10.00	Student ID Replacement Fee
TBD	Breakage Fee (Replacement Cost)

The College of Dental Medicine also requires that each dental student have a classroom responder, approved by the College, which is to be purchased from the University Bookstore. Individual responders must be registered to only one (1) student. Classroom responders are electronic devices that will be used to enhance interactive learning in classrooms. The device will enable faculty to gauge student understanding of concepts, introduce more innovative teaching and assessment methods, improve student involvement in learning, and facilitate classroom learning to become more dynamic. The responders will also be used to administer and score assessments. Therefore, dental students are also required to bring responders to each class.

## **Academic Requirements**

### **Academic Advisement**

Students will be assigned a faculty advisor by the Office of Academic Affairs in the College of Dental Medicine. Advisement by faculty should be viewed by the student as part of the academic process. The student may seek a change of advisor by meeting with the Director of Student Services. It is the student's responsibility to meet periodically with their advisor. A student on probation must meet with their advisor at least once a month.

### **Attendance/Absences**

Attendance is required at all scheduled instructional periods. Absence from instructional periods for any reason does not relieve the student from the responsibility for the material covered during the period of absence. Frequent absences will be viewed as violations of the Standards of Academic and Professional Conduct. Students are expected to participate fully in all classroom, laboratory, and clinic activities. Monitoring of the attendance policy will be the responsibility of the CDM Office of Academic Affairs. Excused absences include illness with a doctor's excuse, bereavement time for immediate family, or CDM approved business (for example attendance as student reps at CDA, ASDA or ADEA). Student notification of absence does not constitute an excused absence. A written explanation of the absence, using the Absence Request Form (including documentation on physician letterhead, in the case of illness), must be provided to the Office Academic Affairs and the Course Director.

For all scheduled and unscheduled quizzes, a time allotment for participation will be specified by the faculty member(s) administering the quiz. Students arriving late for a quiz are permitted to participate; however, they will not receive any additional time to complete the quiz or retake any missed questions. There will be no make-up quizzes.

Students are required to be present for all scheduled examinations and cannot begin an examination after the scheduled time. For a student to take any examination outside of the scheduled time, the student must have prior approval of the CDM Office of Academic Affairs. A student, who cannot attend an exam due to unforeseen circumstances, including illness, should phone 909-706-3492 or 909-706-8261 or e-mail the Assistant/Associate Dean for Academic Affairs at CDMOAA@westernu.edu and the Course Director as soon as possible prior to or after the exam has been administered. A written explanation of the absence (including documentation on physician letterhead in the case of illness) must

be provided to the Office of Academic Affairs and the Course Director the next day the student is on campus. The requirement of a physician's note to document illness may be suspended by the University in response to any epidemic or pandemic situation when access to a physician may be limited.

If a student misses an examination, the CDM Office of Academic Affairs, in consultation with the Course Director, will determine whether the absence is excused or unexcused. If the absence is excused, the student will be permitted to take a make-up examination, the nature and time of which will be at the discretion of the Course Director. The student will receive full credit for the make-up examination.

If the absence is unexcused (e.g., failure to show up for a written or practice examination without a valid excuse as determined by the CDM Office of Academic Affairs and the Course Director), this is grounds for summary failure (a score of zero) for that examination.

In the case of an unexcused absence and subsequent summary failure, the student will be referred to the Course Director regarding required remediation. The maximum score that the student can achieve on the remediated examination will be 70%. If the student fails to take either a make-up or a remediation examination at the time designated by the Course Director (without a valid excuse as delineated above) this will be grounds for summary failure (a score of zero) of that examination and referral to the Student Performance Committee. In such a case, a written report will be sent by the Course Director to the CDM Office of Academic Affairs, with a copy sent to the chair of the Student Performance Committee and Dean of the College of Dental Medicine for appropriate disposition.

### **Evaluation of Dental Student Academic Performance**

The College of Dental Medicine's Student Performance Committee (SPC) is charged: To develop policies for the evaluation of dental student performance, including policies for grading, promotion, and graduation of students. It shall also be responsible for implementing and enforcing policies and shall make recommendations to the Dean of the College regarding promotion or graduation of each student. The SPC shall follow guidelines in full accordance with the rules of the Western University of Health Sciences and the requirements of due process. The SPC will convene to review student clinical progress throughout the four-year curriculum, meeting to review student progress following each term. During the D3 and D4 year, students are reviewed to determine their readiness to participate in the Community-Based Education Program, based on the demonstration of adequate progress towards clinical competence.

### **Promotion**

Promotion is defined as academic and professional progression from one academic year to the next. The Student Performance Committee (SPC) will recommend students to the Dean of the College for promotion. The SPC may not recommend a student for progression from one academic year to the next with a grade of 'I', 'F', 'or 'NCR' in a required course, final grade point average (GPA) below a 2.00, or a yearly cumulative GPA below a 2.00. An essential element of the academic program is professionalism. Professionalism will be emphasized throughout the curriculum and is a stand-alone element in determining academic advancement and achievement.

When considering a student for promotion, ethical, professional, and personal conduct will also be taken into consideration (see Probation in University General Academic Policies and Procedures section). A student will be promoted provided that all academic, legal, and financial requirements of

the University, as stated in the University Catalog, have been satisfied. All coursework in the College of Dental Medicine must be completed within six (6) years of beginning the DMD program. Exceptions may be made only upon the recommendation of the Student Performance Committee in consultation with the Dean.

### **Graduation**

A student will be recommended for the Doctor of Dental Medicine Degree provided he/she:

- a. Is not on probation or suspension and has completed all prescribed academic and clinical requirements with a cumulative grade point average of above 2.00 and has no outstanding grade of "I," "NCR," or "F".
- b. Has successfully taken and passed the National Board Dental Examination, Part I.
- c. Has demonstrated no serious deficiencies in ethical, professional, or personal conduct, as defined in University Catalog, "General Academic Policies and Procedures" section, which would make it inappropriate to award the degree of Doctor of Dental Medicine.
- d. Has complied with all the legal and financial requirements of the University as stated in the University Catalog.
- e. Has attended in person and participated in the Commencement ceremony at which time the Doctor of Dental Medicine degree is conferred. Unless special permission has been granted by the Dean, each student must participate in their respective commencement ceremony. If the Dean grants special permission for excusal from commencement, the graduate may be required to present themselves to the Dean or their designee at another specified date to take their profession's oath before their diploma will be released. Requests for excusal will only be granted for extenuating circumstances, such as a prior military commitment.

Students may participate in commencement activities provided they will complete all requirements of the program by December 31<sup>st</sup> of that calendar year. No student will receive his or her degree until the student has completed all requirements for graduation. Degrees will be dated as appropriate to completion date.

### **Standards of Academic Progress**

Dental students must maintain a cumulative grade point average (GPA) of at least 2.00 on a yearly basis to be considered making satisfactory academic and professional progress.

### **Probation or Academic Suspension**

Students may be placed on Probation or Academic Suspension for the following reasons (these are in addition to the reasons listed in the WesternU General Academic Policies and Procedures section on Probation in the Overview Section of this Catalog):

1. Inadequate academic progress as determined by the Student Performance Committee. This includes, but is not limited to, receiving an 'F' grade in any course or system.
2. A grade point average below 2.00.

3. When directed to repeat a year for academic reasons.
4. Failure to perform in a professional manner.
5. Serious deficiencies in ethical or personal conduct.

Students on Academic Suspension are not registered as an active matriculant and should use this time to remediate for the deficiency for which the Academic Suspension was levied. On campus students on probation must meet with their faculty advisor at least once a month. Off campus students on probation must contact their faculty advisor once a month. It is the student's responsibility to contact the faculty advisor to arrange these meetings.

A first or second year student on probation for receiving a grade of 'F' for a GPA less than 2.00 in the first semester will be removed from probation after one semester provided he/she has regained a cumulative GPA of at least 2.00 and has remediated the failed course. A first or second year student will be removed from probation when all grades of 'F' or 'NCR' have been remediated satisfactorily according to the following Remediation section.

A third or fourth year student on probation because of a grade of 'F' or 'NCR' must remediate the course or clinical rotation. The student will then be reviewed by the Student Performance Committee at the end of the academic year and may be recommended for continuation on or removal from, probation. Students on probation are to remove themselves from all leadership roles in co-curricular activities associated with the University and/or with professional associations.

#### **Financial Aid Warning Policy**

If a student is not achieving satisfactory academic progress (SAP) they may be placed on "Financial Aid Warning" status for the next payment period and continue to receive Title IV aid for that period. Students who fail to make SAP by the end of that payment period lose Title IV aid eligibility.

It is the policy of the Financial Aid Office (FAO) that once a student has been placed on academic probation for not meeting SAP standards as defined by the college, the FAO will automatically place the student in a Financial Aid Warning status. During the next academic term if the student does not meet SAP standards and the college places the student on academic suspension the student will no longer be eligible for financial aid. If the student appeals the academic suspension and the appeal is approved, financial aid will be reinstated. If the student is directed to audit courses those courses may not be covered by financial aid.

#### **Tutorial Assistance Program**

A Tutorial Assistance Program (TAP) has been established to assist students experiencing academic difficulty. Students will be recommended for this program by a faculty advisor or professor. Students may self-identify to TAP to receive assistance. The tutors will be chosen on the recommendation of the faculty in each discipline. Group tutoring is the methodology most used by the TAP department. For assistance, contact the Learning Enhancement and Academic Development Office (LEAD).

#### **Remediation**

The educational objectives that underlie remedial teaching and evaluation should be the same as the educational objectives that underlie regular courses in the curriculum. Dental students, who receive an 'F' grade in a course or system or a cumulative GPA below a 2.00, will be reviewed by the Student Performance Committee.

Where deemed appropriate, the Student Performance Committee, after consultation with the course instructor, system coordinator, and/or the Dean (or his/her designee) may recommend any one of the following options:

1. Take a comprehensive examination.
2. Complete special projects or studies in the deficient area(s).
3. Repeat the course, system, or rotation.
4. Repeat the academic year.
5. Dismissal from the University

The score/grade achieved by remediation will be the score/grade recorded except that the highest score/grade a student may earn by options 1 or 2 (above) is a score of 70% or a "C". The grade achieved by remediation will be re-recorded on the transcript next to the original grade.

Numerical scores or grades earned during an attempted remediation of a course, system, or clinical rotation will be reviewed critically by the Student Performance Committee and the Dean of the College of Dental Medicine. Failure to earn at least a 70% or a "C" may result in dismissal from the College or repeating the academic year.

If a student is directed to repeat a course, the grade for the repeated course will be recorded on the official transcript. Only the most recent grade received for a repeated course will be included in the student's GPA calculation. Students will be charged full tuition for repeated coursework.

Decisions regarding remediation will be made on an individual basis after considering all pertinent circumstances. The decision will be made by the Dean of the College of Dental Medicine, based upon the recommendation of the Student Performance Committee. The Committee will base its recommendation on the student's academic record and other considerations after consultation with the student's faculty advisor, course instructor, system coordinator, Dean (or his/her designee) clinical preceptor, and the student involved, as is appropriate.

A student who is required to remediate a course must be notified in writing by the Dean at least 15 working days prior to the remediation date, or within 15 working days after the close of the academic year in which the student is presently enrolled, whichever comes first. Notification must either be sent by Certified Mail or hand-delivered to the student and must be acknowledged with the signatures of the Dean (or his/her designee) and the student.

### **Dismissal**

The University may require withdrawal at any time it deems necessary to safeguard its standards of scholarship, conduct, and orderly operation. Examples of reasons the Student Performance Committee may recommend dismissal of a student include, but are not limited to the following:

1. Receiving a cumulative grade point average below 2.00 at the end of an academic year.
2. Receiving a final grade of 'F' in more than 25% of the total credit hours in an academic year. \*
3. Receiving a final percentage score of below 70% (a letter grade of 'F') in a remediated course, system, or clinical course.

\*The Committee may recommend dismissal for a student receiving a final grade of 'F' in three or more courses or systems, even if the total unsatisfactory credit hours do not exceed 25% of the total credit hours for the academic year.

### **Student Appeal Process**

At the conclusion of each academic year, the Student Performance Committee will review whether students have met the established criteria for progression in the dental curriculum. Recommendations by the Student Performance Committee for repeat of an academic year or dismissal from the dental program are advisory to the Dean of the College of Dental Medicine, who will make the decision.

In the event that the Student Performance Committee has made a preliminary determination to recommend an adverse action, such as dismissal or the repeat of an academic year, the student is offered an opportunity to meet in person with the Student Performance Committee, prior to the Committee forwarding its final recommendation to the Dean of the College of Dental Medicine. At such time, the student may present any information relative to the preliminary recommendation. The student may also be accompanied by a representative for support; however, the representative may not be an attorney. The Student Performance Committee will have an opportunity to review the additional information, if presented, and will then make a final recommendation to the Dean.

In accordance with WesternU policy, the Dean's decision may be appealed by the student to the Provost of Western University of Health Sciences. The Provost may convene an advisory panel, and the decision of the Provost is final. (See Student Appeal Process in General Academic Policies and Procedures section of the University Catalog).

### **Academic Integrity**

Complete confidence in the honor and integrity of the health professions student and health care professional is essential. Such confidence depends entirely on the exemplary behavior of the individual health care provider in his/her relations with patients, faculty and colleagues. Strict honesty as a personal way of life should be nurtured during the period of education for professional service. The student shall conduct all aspects of his/her life with honor and integrity. This includes accountability to oneself and to relationships with fellow students, future colleagues, faculty, and patients who come under the student's care or contribute to his/her training and growth, and members of the general public. This applies to personal conduct that reflects on the student's honesty and integrity in both academic and non-academic settings, whether or not involving a University sponsored activity. Upon acceptance of admission to the University, each student subscribes to and pledges complete observance to the Standards of Academic and Professional Conduct as outlined in the University Catalog for each

academic program. A violation of these standards is an abuse of the trust placed in every student and could lead to suspension or dismissal.

## **Evaluation and Grading**

### **CDM Competencies for the General Dentist**

Dentistry requires the integration of knowledge, skill and values to provide care for the individual patient and contribute to improving the oral health of society. The general dentist is the primary oral health care provider and leader of the oral health care team. The following competency statements describe the competencies WesternU College of Dental Medicine graduates will possess to successfully enter the profession as general dentists or pursue advanced training/specialization.

#### ***Domains***

- Critical Thinking
- Professionalism/Leadership Skills
- Communication and Interpersonal Skills
- Health Promotion
- Practice Management and Informatics
- Patient Care
- Assessment, Diagnosis and Treatment Planning
- Establishment and Maintenance of Oral Health

#### ***Critical Thinking***

Graduates must be competent to:

- 1.1 Evaluate and integrate emerging advances in health care.
- 1.2 Utilize critical thinking and problem-solving skills in providing patient care.
- 1.3 Evaluate and integrate scientific inquiry and research methodology with clinical expertise and patient values for evidence-based practice.

#### ***Professionalism/Leadership Skills***

Graduates must be competent to:

- 2.1 Apply ethical and legal standards in decision making and demonstrate professional responsibility.
- 2.2 Practice within one's scope of competence by consulting with or referring to professional colleagues when indicated.

#### ***Communication and Interpersonal Skills***

Graduates must be competent to:

- 3.1 Use effective interpersonal and communication skills with patients, other health care professionals and dental team members.
- 3.2 Apply psychosocial and behavior principles in patient care.
- 3.3 Communicate effectively with individuals from diverse populations.

#### ***Health Promotion***

Graduates must be competent to:

- 4.1 Provide prevention, intervention, and educational strategies for patients.

- 4.2 Participate with dental team members and other health care professionals in the management of care and health promotion for patients.

### ***Practice Management and Informatics***

Graduates must be competent to:

- 5.1 Apply principles of practice management to function successfully in an oral health care team and integrate in various models of oral health care delivery.
- 5.2 Incorporate principles of risk management in patient care.
- 5.3 Comply with local, state and federal regulations pertaining to infection control standards, OSHA and HIPAA.

### ***Patient Care***

#### **Assessment, Diagnosis, and Treatment Planning**

Graduates must be competent to:

- 6.1 Accurately obtain and interpret patient data to formulate a diagnosis.
- 6.2 Use diagnosis, evidence and patient values to formulate and effectively communicate comprehensive treatment plans.
- 6.3 Diagnose and manage oral diseases and abnormalities, including head and neck, osseous, and mucosal disorders.

#### **Establishment and Maintenance of Oral Health**

Graduates must be competent to:

- 6.4 Prevent, diagnose, and manage pain and anxiety in the dental patient.
- 6.5 Provide preventive and restorative procedures that preserve or replace tooth structure and support esthetics and health of the soft and hard tissues.
- 6.6 Provide and manage the replacement of teeth for partially and completely edentulous patients that supports esthetics and the health of the soft and hard tissues.
- 6.7 Prevent, diagnose, and manage periodontal diseases.
- 6.8 Prevent, diagnose, and manage pulpal and periradicular diseases.
- 6.9 Provide and manage hard and soft tissue oral surgical procedures.
- 6.10 Prevent, diagnose, and manage dental emergencies.
- 6.11 Diagnose and manage developmental or acquired malocclusion and space discrepancies.
- 6.12 Evaluate outcomes of comprehensive dental care.
- 6.13 Prevent, diagnose, and manage medical emergencies including implementation of CPR and basic life support.
- 6.14 Recognize manifestations of systemic disease, assess treatment needs for patients with special needs, and modify treatment plans accordingly.

### **Grading Scale**

Final course grades are given based upon the traditional 4-point letter system, as follows:

<b><u>Grade</u></b>	<b><u>Equivalent</u></b>	<b><u>GPA Points</u></b>
A	90-100%	4.00
B	80-89%	3.00

C	70-79%	2.00
F	Less than 70%	0.00
CR	Credit	N/A
NCR	No Credit	N/A

### **ADMINISTRATIVE GRADES**

<b><u>Grade</u></b>	<b><u>Equivalent</u></b>	<b><u>GPA Points</u></b>
AU	Audit	N/A
I	Incomplete	N/A
W	Withdrawal	N/A
M	Missing	N/A
WPC	Waived for Prior Credit	N/A

### **Incomplete**

An Incomplete (I) indicates that a student has not been able to finish all required work for issuance of a letter grade. An "I" is not counted in the grade point calculations until a letter grade is issued to replace the "I." An "I" must be replaced before the student registers for the next academic year, unless other arrangements are made with the instructor and the Dean of the College of Dental Medicine.

Replacement of an "I" will be under the direction of the instructor with the approval of the Dean or his/her designee. If the required work is not completed within the specified time, the "I" will be converted to an "F". It is to the student's advantage to arrange to make up any incomplete work as soon as possible. The incomplete (I) remains on the transcript and is followed by the grade earned (i.e., I/B).

### **Missing Grades**

A grade of 'M' for Missing will be input by the Office of the Registrar if a student's grade is not available by the deadline for grade submission. An 'M' grade is not included in the GPA calculation and will be replaced by the grade earned in the course once submitted by the course director/instructor. 'M' grades should not be used by the program in place of an Incomplete (I) grade.

### **Grade Reports**

Official grades are turned in to the Registrar by the Dean of the College of Dental Medicine (CDM), at which time the online student records system, BanWeb, is updated. Unofficial transcripts will be available on the BanWeb student records system throughout the academic year.

### **Credit hour Calculation**

The College of Dental Medicine defines one credit hour as 15 contact hours plus an average of 30 hours of out of class student work.

### ***Classroom, Online, and Other Distance Learning Instruction***

One credit hour is assigned for 15 hours of instruction.

### ***Labs, Small Group Activities, Independent Study, and Workshops***

One credit hour is assigned for 30 hours of contact time.

### ***Experiential (Clinical) Education***

One credit hour is assigned for 40 hours of rotations and other clinical experiences.

### **Grade/Penalty Appeals Process**

(e.g., Grade, a Final Grade, and Exclusion from a course, lab or clinic)

The first level of the appeal is at the course level from which the grade or penalty was issued. Within five (5) working days after receipt of the grade or penalty, the student must request a review by the College's course director. In the event of an inability to satisfactorily resolve the matter at this level, the student must submit his/her appeal in writing to the Assistant/Associate Dean for Academic Affairs within ten (10) working days after the grade or penalty was received.

Should the Assistant/Associate Dean for Academic Affairs be unable to resolve the dispute, the student may direct a written appeal to the College of Dental Medicine's Dean within thirty (30) working days after receipt of the grade or penalty. The decision of the College Dean is final.

### **Issues/Dispute Resolution Procedure**

When an issue or dispute arises between students, the issue/dispute resolution process starts with communication among the involved students. If a satisfactory resolution is not arrived at that level, the matter should then be addressed with the course director or the faculty advisor. If the problem is not resolved at the faculty advisor/course director level, the matter should be brought to the Assistant Dean for Academic Affairs, followed by the Dean and then the Provost/COO. If the matter has not been resolved at those levels, the final arbiter is the President.

When an incident arises involving a faculty member, the first step in the issue/dispute resolution process is discussion with the faculty member. If the matter is not satisfactorily resolved at that level, then the matter should be referred to the appropriate Assistant/Associate Dean, Dean, and Provost/COO, in that order. The final arbiter is the Board of Trustees.

When an incident arises involving a staff member, the dispute resolution process begins with the supervisor, followed by the appropriate Assistant/Associate Dean. The Office of Human Relations should be included in the process if it proceeds beyond the supervisor.

Failure to follow this sequence of steps will only serve to delay the appropriate resolution of the issue or dispute as the matter will only be referred back to the correct level in this chain of responsibility.

### **Commission on Dental Accreditation Policy on Complaints**

The Commission on Dental Accreditation will review complaints that relate to a program's compliance with the accreditation standards. The Commission is interested in the sustained quality and continued improvement of dental and dental-related education programs but does not intervene on behalf of individuals or act as a court of appeal for treatment received by patients or 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 on Dental Accreditation at 211 East Chicago Avenue, Suite 1900, Chicago, IL 60611-2678 or by calling 1-800-621-8099 extension 4653 or at [Commission on Dental Accreditation](#).

## Curriculum Organization

### Year 1

Year 1, Fall Semester, DMD 2018		
Course	Title	Credit Hours
DMD 5025	The Molecular and Cellular Basis of Medicine	10.00
DMD 5030	Gross Anatomy	8.50
DMD 5035	Head and Neck Anatomy	3.50
DMD 5050	Essentials of Clinical Dentistry I	8.00
DMD 5099	Service Learning I	1.00
IPE 5000	Patient Centered Cases I	1.00
<b>Semester Total:</b>		<b>32.00</b>
Year 1, Spring Semester, DMD 2018		
Course	Title	Credit Hours
DMD 5125	Neuroscience System	11.50
DMD 5130	Musculoskeletal System	5.00
DMD 5145	Introduction to Disease, Immunity, and Therapeutics	7.00
DMD 5150	Essentials of Clinical Dentistry II	8.00
DMD 5155	Behavioral Science and Dentistry	5.50
DMD 5175	Blood and Lymphatic System	4.00
DMD 5199	Service Learning II	2.00
IPE 5100	Patient Center Cases II	1.00
<b>Semester Total:</b>		<b>44.00</b>
Year 1, Summer Semester, DMD 2018		
Course	Title	Credit Hours
DMD 5210	Oral and Maxillofacial Pathology I	3.00
DMD 5250	Essentials of Clinical Dentistry III	4.00
DMD 5260	Clinical Service Learning and Community Dentistry	2.00
<b>Semester Total:</b>		<b>9.00</b>
<b>Year 1 Total:</b>		<b>85.00</b>

**Year 2**

Year 2, Fall Semester, DMD 2017		
Course	Title	Credit Hours
DMD 6010	Oral and Maxillofacial Pathology II	3.00
DMD 6020	Cardiovascular System	8.50
DMD 6035	Renal System	4.50
DMD 6040	Respiratory System	8.50
DMD 6045	Endocrine System	5.50
DMD 6050	Essentials of Clinical Dentistry IV	8.00
DMD 6060	Clinical Service Learning and Community Dentistry II	2.00
IPE 6000	Team Training in Healthcare I	1.00
<b>Semester Total:</b>		<b>41.00</b>
Year 2, Spring Semester, DMD 2017		
Course	Title	Credit Hours
DMD 6115	Dermal System	3.00
DMD 6140	Gastrointestinal System and Nutrition	6.50
DMD 6150	Essentials of Clinical Dentistry V	8.00
DMD 6160	Clinical Service Learning and Community Dentistry III	2.00
DMD 6173	Geriatrics	1.50
DMD 6176	Pediatrics	2.50
IPE 6100	Team Training in Healthcare II	1.00
<b>Semester Total:</b>		<b>24.50</b>
Year 2, Summer Semester, DMD 2017		
Course	Title	Credit Hours
DMD 6205	Clinical Comprehensive Care Dentistry I	7.00
DMD 6210	Ethics and Jurisprudence	1.50
DMD 6250	Essentials of Clinical Dentistry VI	6.00
DMD 6260	Clinical Service Learning and Community Dentistry IV	2.00
<b>Semester Total:</b>		<b>16.50</b>
<b>Year 2 Total:</b>		<b>82.00</b>

### Year 3

Year 3, Fall Semester, DMD 2016		
Course	Title	Credit Hours
DMD 7105	Clinical Comprehensive Care Dentistry II	21.00
DMD 7150	Essentials of Clinical Dentistry VII	8.00
DMD 7160	Clinical Service Learning and Community Dentistry V	2.00
DMD 7210	Practice Management I	1.50
<b>Semester Total:</b>		<b>32.50</b>
Year 3, Spring Semester, DMD 2016		
Course	Title	Credit Hours
DMD 7205	Clinical Comprehensive Care Dentistry III	21.00
DMD 7250	Essentials of Clinical Dentistry VIII	6.00
DMD 7260	Clinical Service Learning and Community Dentistry VI	2.00
DMD 7310	Practice Management II	1.50
<b>Semester Total:</b>		<b>30.50</b>
Year 3, Summer Semester, DMD 2016		
Course	Title	Credit Hours
DMD 8005	Clinical Comprehensive Care Dentistry IV	8.00
DMD 8050	Essentials of Clinical Dentistry IX	4.00
<b>Semester Total:</b>		<b>12.00</b>
<b>Year 3 Total:</b>		<b>75.00</b>

### Year 4

Year 4, Fall Semester, DMD 2015		
Course	Title	Credit Hours
DMD 8060	Clinical Service Learning and Community Dentistry VII	1.00
DMD 8105	Clinical Comprehensive Care Dentistry V	21.00
DMD 8160	Clinical Service Learning and Community Dentistry VIII	1.00
DMD 8550	Dental Elective (Optional)	5.00 – 15.00
<b>Semester Total:</b>		<b>22.00 – 38.00</b>
Year 4, Spring Semester, DMD 2015		
Course	Title	Credit Hours
DMD 8010	Practice Management III	1.50
DMD 8205	Clinical Comprehensive Care Dentistry VI	21.00
DMD 8260	Clinical Service Learning and Community Dentistry IX	1.00
DMD 8550	Dental Elective (Optional)	5.00 – 15.00
<b>Semester Total:</b>		<b>23.50 – 38.50</b>
<b>Year 4 Total:</b>		<b>46.50 – 76.50</b>

## **Course Descriptions**

All courses are awarded letter grades, except when indicated otherwise.

### **DMD 5025 The Molecular and Cellular Basis of Medicine (10 credit hours)**

This course presents an integration of molecular biology, biochemistry, cellular physiology and metabolism, introductory genetics and developmental histology within the context of their clinical application of basic biomedical sciences.

### **DMD 5030 Gross Anatomy (8.5 credit hours)**

This course represents an understanding of the surface and deep anatomical structures and their arrangement to one another while emphasizing normal function and clinical features of the human body. Through laboratory dissections of cadavers, radiology, and didactic lectures, students will learn the language of anatomy and clinically important relationships. Particular attention will be paid to the neurovascular bundle throughout the entire body. In addition to dissections, models, radiographs, clinical presentations, and special demonstrations are employed to emphasize current clinically relevant structure and presentations.

### **DMD 5035 Head and Neck Anatomy (3.5 credit hours)**

This unit is designed to help first year students learn the Medical Gross Anatomy of the Head and Neck. The course utilizes a flipped-classroom model supplemented with in-class sessions. Students will be provided comprehensive documents which they will work through according to the course calendar. During this independent study time, students will work through 6 inter-woven chapters: Osteology of the Head and Neck, Musculature of the Head and Neck, Neurovasculature of the Head and Neck, Glands and Organs of the Head and Neck, and lastly Imaging and Cross-sectional Anatomy of the Head and Neck. They will attend classroom sessions for hands-on activities, clinical case studies, and peer-to-peer exercises. Cadaver dissection of this essential region will help students strengthen their 3 dimensional grasp on the relationships between the bones, muscles, nerves, arteries, veins, glands and organs. Further, practice images and cross sections will be available online and in the gross anatomy lab for students to begin recognizing structures of the Head and Neck on plain film radiographs, CT scans, and MRIs.

### **DMD 5050 Essentials of Clinical Dentistry I (8 credit hours)**

This course is designed to give the new dental student an introduction to the healthcare profession, the clinical practice of dentistry and the College of Dental Medicine Clinical Program and procedures. The course provides the student with basic skills and knowledge to allow a smooth transition into initial patient care interactions as a dental assistant. The course provides the student with clinical foundational knowledge in the areas of dental morphology, head and neck anatomy, the relationships between the teeth and supporting structures, operative and restorative dentistry, and dental materials sciences. Students will learn basic clinical skills including preventive procedures, diagnostic techniques, oral hygiene instruction and patient education, and operative dentistry.

### **DMD 5099 Service Learning I (1 credit hour)**

Through interaction and service in the community, this course develops the role and responsibility of the dentist in society. Topics, including health education, public health, epidemiology and biostatistics, are learned through practical application.

**DMD 5125 Neuroscience System (11.5 credit hours)**

This system presents basic understandings of the brain, spinal cord and peripheral nervous system. Basic science topics include embryology, histology, neuroanatomy, biochemistry, physiology and pharmacology. Clinical topics include infections of the nervous system, pathology, neurology, ophthalmology, otorhinolaryngology, and overview of sleep disorders, cerebrovascular disorders, aging and dementia.

**DMD 5130 Musculoskeletal System (5 credit hours)**

This system presents common conditions and disorders of the musculoskeletal system. The system also presents embryology, histology, and functional anatomy – including kinesiology, biochemistry, pharmacology, physiology, and microbiology. The pathology and clinical aspects of this system are discussed, as are the related aspects of sports medicine, rehabilitative medicine, exercise, rheumatoid diseases and orthopedics.

**DMD 5145 Introduction to Disease, Immunity and Therapeutics (7 credit hours)**

This is an integrated course introducing microbiology, immunology, pathology, and pharmacology to prepare students for more in-depth study during the systems. Genetics, as related to these disciplines, is also included. Clinical applications of the basic sciences are emphasized.

**DMD 5150 Essentials of Clinical Dentistry II (8 credit hours)**

This course continues to build the foundation for students to become patient care providers in clinical dentistry and is a continuation of DMD 5050. The course will focus on the development of skills through simulation clinical activities and peer-to-peer clinic related activities. Topics include dental anatomy and morphology; fundamentals of oral radiology; periodontal and tooth embryology, histology and development; direct composite restorations; diagnosis of caries; treatment of gross caries; and clinical management software.

**DMD 5155 Behavioral Science and Dentistry (5.5 credit hours)**

This course presents the psychological and social aspects of patient and provider behavior within the context of dental medicine. Interpersonal communication skills are discussed and practiced, which lead to the development of the doctor-patient relationship and a therapeutic alliance. Barriers to this alliance are addressed, including cultural, personality and psychological factors of both the patient and dentist. Methods to facilitate behavioral change within the patient are explored and practiced. The etiology, implications and management techniques of dental anxiety are addressed as well. Also introduced are topics in developmental psychology, the stages of life and their implications of dental care, as well as specific psychological conditions that directly affect oral health. The health of the dental provider is discussed, including self-management, self-esteem, life-long learning, and leadership. This course develops the dental provider's ability to recognize common and prevalent behavioral patterns and conditions that are seen in the field of oral healthcare and develop strategies to employ positive interventions, and nurture the doctor-patient relationship.

**DMD 5175 Blood and Lymphatic System (4 credit hours)**

Students work as teams in small groups to address a variety of clinical cases that involve the hematopoietic and lymphoreticular organs, including anemia, clotting disorders, blood-borne infections, myeloproliferative and myelodysplastic disorders. Each case allows for integration of basic and clinical science concepts. Large group, interactive sessions provide guidance and expert facilitation regarding the clinical application of the histology, physiology, pharmacology, biochemistry, microbiology and pathology as well as the epidemiology and evidence-based approaches to diagnosis and management.

**DMD 5199 Service Learning II (2 credit hours)**

Prerequisite: DMD 5099. This course is a continuation of DMD 5099.

**DMD 5210 Oral and Maxillofacial Pathology I (3 credit hours)**

This course will build upon the foundational pathology concepts and information given in the MCBM and IDIT courses. It will also integrate, expand, and correlate with other biomedical science courses and the concomitant clinical sciences taught in Essential of Clinical Dentistry. Specifically, the course will describe the etiology, pathogenesis, clinical features, radiographic features (if applicable), treatment and prognosis of classical and traditional categories of oral and maxillofacial pathology. Lastly, the course will introduce and strengthen the art and science of differential diagnosis formulation, of soft and hard tissue lesions. The information, concepts, and differential skills developed during this course will prepare the student for arriving at a provisional diagnosis of their clinic patients and will allow them to fully participate in the third and fourth year oral pathology seminars.

**DMD 5250 Essentials of Clinical Dentistry III (4 credit hours)**

This course continues to build the foundation for students to become patient care providers in clinical dentistry. Continuation of DMD 5150

**DMD 5260 Clinical Service Learning and Community Dentistry I (2 credit hours)**

In this course students will be assigned to participate in community service learning programs.

**DMD 6010 Oral & Maxillofacial Pathology II (3 credit hours)**

This course will build upon the foundational pathology concepts and information given in the Oral Pathology I course. It will also integrate, expand, and correlate with other biomedical science courses and the concomitant clinical sciences taught in Essential of Clinical Dentistry. Specifically, the course will describe the etiology, pathogenesis, clinical features, radiographic features (if applicable), treatment and prognosis of classical and traditional categories of oral and maxillofacial pathology. Lastly, the course will introduce and strengthen the art and science of differential diagnosis formulation, of soft and hard tissue lesions. The information, concepts, and differential skills developed during this course will prepare the student for arriving at a provisional diagnosis of their clinic patients and will allow them to fully participate in the third and fourth year oral pathology seminars.

**DMD 6020 Cardiovascular System (8.5 credit hours)**

Students work as teams in small groups to address a variety of clinical cases that involve valvular disease, congenital abnormalities, aortic pericardial arrhythmias, heart failure, hypertension and ischemic diseases. Each case allows for integration of basic and clinical science concepts. Large group, interactive sessions provide guidance and expert facilitation regarding the clinical application of the histology, physiology, pharmacology, biochemistry, microbiology and pathology as well as the epidemiology and evidence-based approaches to diagnosis and management.

**DMD 6035 Renal System (4.5 credit hours)**

Students work as teams in small groups to address a variety of clinical cases that involve fluid and electrolyte disorders, acid-base disturbances, urinary tract infections, and acute as well as chronic kidney diseases. Each case allows for integration of basic and clinical science concepts. Large group, interactive sessions provide guidance and expert facilitation regarding the clinical application of the histology, physiology, pharmacology, biochemistry, microbiology and pathology as well as the epidemiology and evidence-based approaches to diagnosis and management.

**DMD 6040 Respiratory System (8.5 credit hours)**

Students work as teams in small groups to address a variety of clinical cases that involve important pulmonary diseases characterized by a variety of symptoms and chest radiographic patterns. Each case allows for integration of basic and clinical science concepts. Large group, interactive sessions provide guidance and expert facilitation regarding the clinical application of the histology, physiology, pharmacology, biochemistry, microbiology and pathology as well as the epidemiology and evidence-based approaches to diagnosis and management. Critical care medicine concepts will be integrated with concepts already learned in the preceding endocrine, cardiovascular and renal systems.

**DMD 6045 Endocrine System (5.5 credit hours)**

Students work as teams in small groups to address a variety of clinical cases involving disorders of the hypothalamus and pituitary glands, diabetes, lipids, the thyroid gland, and calcium/bone metabolism. Each case allows for integration of basic and clinical science concepts. Large group, interactive sessions provide guidance and expert facilitation regarding the clinical application of the histology, physiology, pharmacology, biochemistry, microbiology and pathology as well as the epidemiology and evidence-based approaches to diagnosis and management.

**DMD 6050 Essentials of Clinical Dentistry IV (8 credit hours)**

This course continues to build the clinical foundational knowledge and skills for entry into the clinic. Students will expand their training in operative dentistry to include simulation of amalgam, composite and complex restorations; basic occlusal concepts; and oral radiology techniques. Biomaterials topics are couple with the above topics.

**DMD 6060 Clinical Service Learning and Community Dentistry II (2 credit hours)**

This course is a continuation of DMD 5199. In this course, students will be assigned to participate in community service learning programs.

**DMD 6115 Dermal System (3 credit hours)**

Students work as teams in small groups to address a variety of clinical cases involving the largest organ in the body. Cases will involve primary or secondary, as well as benign or malignant skin lesions that may or may not be manifestations of internal disease, immunologic disease, drug reactions, or photosensitivity. Large-group interactive sessions provide guidance and expert facilitation with emphasis on distinguishing normal from abnormal findings and significant from trivial lesions as well as the epidemiology and evidence-based approaches to diagnosis and management.

**DMD 6140 Gastrointestinal System and Nutrition (6.5 credit hours)**

Students work as teams in small groups to address a variety of clinical cases involving important diseases of the gut, hepatobiliary and pancreatic ductal systems that manifest as alterations in nutrient assimilation and waste evacuation. Each case allows for integration of basic and clinical science concepts. Large group, interactive sessions provide guidance and expert facilitation regarding the clinical application of the histology, physiology, pharmacology, biochemistry, microbiology and pathology as well as the epidemiology and evidence-based approaches to diagnosis and management.

**DMD 6150 Essentials of Clinical Dentistry V (8 credit hours)**

This course is a continuation of DMD 6050. This course is a prerequisite for Clinical Comprehensive Care Dentistry I.

**DMD 6160 Clinical Service Learning and Community Dentistry III (2 credit hours)**

In this course, students will be assigned to participate in community service learning programs.

**DMD 6173 Geriatrics (1.5 credit hours)**

This course is devoted to the special problems that can occur in the elderly. Additionally, diseases and conditions learned during the systems are explored in the context of this population.

**DMD 6176 Pediatrics (2.5 credit hours)**

This course is devoted to the special problems that can occur in the period between infancy to adolescence. Diseases and conditions learned during the systems are now explored in light of this population. Additionally, aspects specific to pediatric oral health are explored. This course will also present the anatomy, embryology, and histology of both the female and male reproductive systems and principles regarding the relationships between mother and fetus during pregnancy.

**DMD 6205 Clinical Comprehensive Care Dentistry I (7 credit hours)**

Prerequisite: Passing Grade in DMD 6150 Essentials of Clinical Dentistry V. Open to the DMD class of 2017 only. Students begin the transition into their role as a patient-care provider when they enter their third year curriculum, integrating with their Comprehensive Care Group Practices. Students continue to expand their role as a clinical provider in their group practice. Special emphasis for the term is on comprehensive care dentistry, including providing patients with basic procedures in all disciplines.

**DMD 6210 Ethics and Jurisprudence (1.50 credit hours)**

This course offered as primarily as a small group seminar, focuses on advanced topics in dental ethics and jurisprudence. Case presentations and discussions of assigned topics will be facilitated by faculty group leaders, community-based preceptor faculty, specialist faculty and dental students. Topics will focus on professionalism and ethics related to the practice of dentistry in a variety of clinical settings. Students will learn the practical steps in obtaining a state dental license, utilizing the California State Dental Practice Act as a model.

**DMD 6250 Essentials of Clinical Dentistry VI (6 credit hours)**

This is a continuation of DMD 6150, focusing on foundational knowledge and skills to support the student's transition as a provider in the Comprehensive Care Group Practices.

**DMD 6260 Clinical Service Learning and Community Dentistry IV (2 credit hours)**

Students continue to expand their role as a clinical provider by participating in community service learning programs.

**DMD 7105 Clinical Comprehensive Care Dentistry II (21 credit hours)**

Students provide Comprehensive Care for the patients of their Comprehensive Care Group Practices. Students may also participate in specialty rotations, both on campus and at community-based clinics. Clinical experiences will be multidisciplinary, reflecting the general dentistry clinical care model.

**DMD 7150 Essentials of Clinical Dentistry VII (8 credit hours)**

This course broadly covers all disciplines of clinical dentistry.

**DMD 7160 Clinical Service Learning and Community Dentistry V (2 credit hours)**

Students continue to expand their role as a clinical provider by participating in community service learning programs.

**DMD 7205 Clinical Comprehensive Care Dentistry III (21 credit hours)**

Students continue to provide Comprehensive Care for the patients of their Comprehensive Care Group Practices. Students may also participate in specialty rotations, both on campus and at community-based clinics. Clinical experiences will be multidisciplinary, reflecting the general dentistry clinical care model.

**DMD 7210 Practice Management I (1.5 credit hours)**

This course builds upon the basic business, jurisprudence and ethical principles of the “Essentials of Clinical Dentistry” course series. Utilizing a multifaceted approach including seminars, case-based learning, group projects, one-on-one mentoring and clinical learning labs, students use their on-campus and community-based clinical experiences to apply practice management principles within their group practices.

**DMD 7250 Essentials of Clinical Dentistry VIII (6 credit hours)**

This course continues to broadly cover all disciplines of clinical dentistry.

**DMD 7260 Clinical Service Learning and Community Dentistry VI (2 credit hours)**

Students continue to expand their role as a clinical provider by participating in community service learning programs.

**DMD 7310 Practice Management II (1.5 credit hours)**

Students continue to build upon the basic business, jurisprudence and ethical principles of the DMD 7110. Utilizing a multifaceted approach including seminars, case-based learning, group projects, one-on-one mentoring and clinical learning labs, students use their on-campus and community-based clinical experiences to apply practice management principles within their group practices.

**DMD 8005 Clinical Comprehensive Care Dentistry IV (8 credit hours)**

Students continue to provide Comprehensive Care for the patients of their Comprehensive Care Group Practices. Students will also participate in limited specialty rotations.

**DMD 8010 Practice Management III (1.5 credit hours)**

Students will prepare a portfolio project related to a practice management topic of their choice as approved by their group practice faculty mentor. Practice management topics may include a practice valuation, development of an associate employment agreement, development of a practice purchase agreement, analysis of an office lease, development of an employee manual, or a community needs assessment.

**DMD 8050 Essentials of Clinical Dentistry IX (4 credit hours)**

This seminar course broadly covers all disciplines of clinical dentistry.

**DMD 8060 Clinical Service Learning and Community Dentistry VII (1 credit hour)**

Students continue to expand their role as a clinical provider by participating in community service learning programs.

**DMD 8105 Clinical Comprehensive Care Dentistry V (21 credit hours)**

Students continue to provide Comprehensive Care for the patients of their Comprehensive Care Group Practices. Students will also participate in limited rotations, both on campus and at community-based clinics.

**DMD 8160 Clinical Service Learning and Community Dentistry VIII (1.0 credit hour)**

Students continue to expand their role as a clinical provider by participating in community service learning programs.

**DMD 8205 Clinical Comprehensive Dentistry VI (21 credit hours)**

Students continue to provide Comprehensive Care for the patients of their Comprehensive Care Group Practices. Students will also participate in limited rotations, both on campus and at community-based clinics.

**DMD 8260 Clinical Service Learning and Community Dentistry IX (1 credit hour)**

Students continue to expand their role as a clinical provider by participating in community service learning programs.

**DMD 8550 Dental Elective (5-15 credit hours)**

This course provides didactic instruction through a series of seminars and/or supervised clinical education in one of the dental specialties or dental careers, including Oral & Maxillofacial Surgery, Orthodontics, Periodontics, Endodontics, Pediatric Dentistry, Prosthodontics, Oral & Maxillofacial Radiology, Oral & Maxillofacial Pathology, Public Health, Dental research and Dental academics. The discipline and clinical training site must be approved in advance by the CDM Office of Academic Affairs. Credits earned for DMD 8550 to not count toward credit units needed from graduation from the DMD program. A maximum of 15 credits allowable per term, repeatable to a maximum of 30 credit hours.

**IPE 5000 Patient Centered Cases – An Interprofessional Approach I (1 credit hour, CR/NCR)**

This course is a required university seminar for all first year health professional students. This course prepares students to practice health care services through a team approach. Working in small interprofessional teams, students will explore cases representing conditions across the life span. The cases will integrate elements common to all professionals such as ethical, behavioral, social and psychological issues. This course is a graduation requirement for all health professional programs.

**IPE 5100 Patient Centered Cases – An Interprofessional Approach II (1 credit hour, CR/NCR)**

This course is a required university seminar for all first year health professional students. This course prepares students to practice health care services through a team approach. Working in small interprofessional teams, students will explore cases representing conditions across the life span. The cases will integrate elements common to all professionals such as ethical, behavioral, social and psychological issues. This course is a graduation requirement for all health professional programs.

**IPE 6000 Team Training in Healthcare I (1 credit hour, CR/NCR)**

IPE 6000 will continue to build upon the knowledge from the IPE 5000 series, but will expand upon that knowledge and require the student to learn and apply advanced tools and strategies that are crucial to develop a collaborative healthcare team. The majority of the course is independent study with students engaging in a large scale tabletop activity where they apply team tools necessary to solve a healthcare dilemma.

**IPE 6100 Team Training in Healthcare II (1 credit hour, CR/NCR)**

This course is a continuation of IPE 6000.

**OM 5001 Summer Medical Sciences Preparatory Program (0 credit hours, CR/NCR, Optional)**

The Summer Preparatory Program prepares incoming students for the anatomy course and provides an introduction to biochemistry. The anatomy component focuses on the skeletal, muscular, cardiovascular and nervous systems, yet provides a brief overview of other body systems. It is designed for the student without prior coursework in anatomy. Acceptance into this program is at the discretion of the instructor/coordinator. The course is an elective and does not meet any requirements for graduation. A separate tuition of \$750 is charged.

## **Honors and Awards**

The following awards are considered for presentation to DMD students annually:

- American Student Dental Association Award of Excellence
- Dean's Award
- Dean' List
- Excellence in Leadership Award
- Glen and Virginia Henson Outstanding Dental Student Award
- Monehen Award of Academic Excellence
- Pierre Fauchard Scholarship Award
- President's Society Award
- Who's Who Among Students in American Colleges and Universities

## Academic Calendar

*\*Students in clinical rotations observe their preceptor's hours, which may include working on federal holidays.*

### Fall 2014

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Monday, June 9, 2014

*Fall Classes Begin (Year 4)*

Friday, July 4, 2014

*Independence Day – No Classes\**

August 4 – August 8, 2014

*Orientation Week (Year 1)*

Saturday, August 9, 2014

*Convocation/White Coat Ceremony*

Monday, August 11, 2014

*Fall Classes Begin (Years 1-3)*

Monday, September 1, 2014

*Labor Day – No Classes\**

Monday, October 13, 2014

*Columbus Day – No Classes\**

Wednesday, November 26, 2014

*Thanksgiving Recess Begins @ 5:00 p.m.\**

Monday, December 1, 2014

*Classes Resume*

Friday, December 19, 2014

*End of Fall Semester Classes (Years 1-4)*

Monday, December 22, 2014

*Winter Recess Begins (Years 1-4)*

### Spring 2015

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Monday, January 5, 2015

*Spring Classes Begin (Years 1-4)*

Monday, January 19, 2015

*Martin Luther King Day – No Classes\**

Monday, February 16, 2015

*President's Day – No Classes\**

Monday, March 23, 2015

*Spring Break Begins (Years 1-4)*

Monday, March 30, 2015

*Spring Classes Resume (Years 1-4)*

Wednesday, May 20, 2015

*End of Spring Semester Classes (Year 4)*

Wednesday-Friday, May 20-22, 2015

*Commencement*

Friday, May 22, 2015

*End of Spring Semester Classes (Years 1-3)*

### Summer 2015

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Monday, June 8, 2015

*Summer Classes Begin (Years 1-3)*

Friday, July 3, 2015

*Independence Day Observed – No Classes\**

Friday, July 24, 2015

*End of Summer Semester Classes (Years 1-3)*