

# College of Dental Medicine

## Doctor of Dental Medicine Program

### ACCREDITATION

The College of Dental Medicine's Doctor of Dental Medicine (DMD) program submitted an initial accreditation application to the American Dental Association's Commission on Dental Accreditation in March 2008. The Commission reviewed the completed application for initial accreditation and determined that the program appeared to have the potential to meet the Accreditation Standards for Dental Education Programs. As such the initial accreditation site visit was conducted on October 14-15, 2008. The Commission on Dental Accreditation granted the DMD program "Initial Accreditation" at its January 29, 2009 meeting.

The Commission on Dental Accreditation authorized the use of the following statement for Western University of Health Sciences to announce its dental program's accreditation status:

The dental education program is accredited by the Commission on Dental Accreditation [*and has been granted the accreditation status of initial accreditation*]. 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.

### COLLEGE VISION

Western University 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.

### COLLEGE MISSION

The Western U 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. Western U 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.

### COLLEGE VALUES/GOALS

- Education/Teaching
- Patient Care
- Research
- Service

### 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.

### Requirements for Admission

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:
  - General Biology with lab - 8 semester units or 12 quarter units
  - General or Inorganic Chemistry with lab - 8 semester units or 12 quarter units
  - Organic Chemistry with lab - 8 semester units or 12 quarter units
  - General Physics with lab - 8 semester units or 12 quarter units

- College English/English Composition- 6 semester units or 9 quarter units

### Courses that are Highly Recommended

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

### Notes Regarding Prerequisites

- 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.**
- Prerequisite courses must be transferable. Transferable courses are those designated for baccalaureate credit by the college or university offering the courses.
- Introductory level courses in the sciences are not accepted.
- 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 are not accepted.**
- WesternU does not waive any of the prerequisite courses.
- English as a Second Language (ESL) courses are not accepted for the English requirement.
- Advanced Placement, Transfer of Credit, CLEP or Credit for Experimental Learning is **not** recognized by the program.

### Standardized Examinations

#### Dental Admissions Test (DAT)

All applicants are required to take the DAT. Please visit the [American Dental Association](http://www.american-dental-association.org) website for more testing information.

- DAT scores are valid for 3 years
- DAT must be taken by October 15 of the year you are applying
- Canadian DAT's are not accepted
- DAT scores must be received before the application will be considered

#### Test of English as a Foreign Language (TOEFL)

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. 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. TOEFL scores are valid for two (2) years. TOEFL scores will not be waived for pending baccalaureate degrees or pending naturalization appointments. 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 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 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.

#### 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.

## TUITION AND FEES

By action of the Western University of Health Sciences Board of Trustees, the Doctor of Dental Medicine program tuition and fees for the 2009-2010 academic year (tuition and fees are subject to change) are as follows:

Applicants accepted for admission at Western University of the Health Sciences must pay an initial non-refundable acceptance deposit of \$1,000 and a second non-refundable deposit of \$1,000 to hold a place in class. Due dates for these two nonrefundable deposits are provided in the offer of acceptance letter.

2009-2010 First-Year Tuition and Fees:

- \$ 49,500 Tuition
- \$ 40 Student Body Fee
- \$400 (annual) Western University Parking Permit Fee (Optional)
- \$ 1,000 Electronic Textbook
- \$ 4,000 Instrument Lease Fee
- \$ 1,000 Surgical Magnification System
- \$ 1,100 Student Health Insurance
- \$ 500 Miscellaneous

Total \$ 57,140

A laptop computer is required, specification will be provided prior to matriculation.

## ACADEMIC POLICIES AND PROCEDURES

### Grading Policies and Credit Hours

To be eligible for graduation, a student must complete the following required components of the Doctor of Dental Medicine Program.

Program Year	Terms	Weeks of Instruction	Approximate Credit Hours
First (D 1)	Fall/Spring	42	80.5
Second (D 2)	Fall/Spring	36	89
Third (D 3)	Summer/Fall/Spring	42	64
Fourth (D 4)	Summer/Fall/Spring	42	61
Total		162	294.5

Dental students must maintain a cumulative grade point average (GPA) of at least 2.0 on a yearly basis to be considered making satisfactory academic and professional progress. 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. Official grade reports and unofficial transcripts will be available on the BanWeb student records system throughout the academic year. For more information on how to access the BanWeb student records system, visit the Registrar's website at: [www.westernu.edu/registrar](http://www.westernu.edu/registrar)

Course grades will be assigned as follows:

A = 90- 100 %

B = 80- 89 %

C = 70- 79%

F = below 70%

I = Incomplete

W = Withdrawal

M = Missing

Incomplete Grade (I): 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 term, 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).

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 accord 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 enter the full-time 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 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" or "F" in a required course, final grade point average (GPA) below a 2.0 or a yearly cumulative GPA below a 2.0. 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 Academic Policies 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.

### **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 accepting 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.

### **Graduation**

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

1. Is not on academic suspension or probation and has completed all prescribed academic requirements with a cumulative grade point average of at least 2.0 and has no outstanding grade of "I" or "F."
2. Has successfully taken and passed the National Board Dental Examinations, Part I and Part II.
3. Has demonstrated appropriate ethical, professional, and personal conduct, as defined in the University Catalog, "General Academic Policies and Procedures" section, thus making it appropriate to award the degree of Doctor of Dental Medicine.
4. Has complied with all the legal and financial requirements of the University as stated in the University Catalog.
5. Is expected to complete all requirements for graduation by the subsequent date of August 31 and is expected to march with his/her class in the graduation ceremony. Diplomas will be dated as appropriate to the completion date of all DMD academic requirements.
6. Unless special permission has been granted by the President of the University, all students must participate in person in the commencement program at which the degree is conferred. If the President grants special permission to be excused from graduation, the graduate may be required to present himself/herself at a later date to the Dean of the College of Dental Medicine to receive the diploma and take the required professional oath.

### **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 Requirements 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" in any course or system.
2. A grade point average below 2.0.
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" or for a GPA less than 2.0 in the first semester will be removed from probation after one semester provided he/she has regained a cumulative GPA of at least 2.0 and has remediated the failed course.

A first or second year student will be removed from probation when all grades of "F" have been remediated satisfactorily according to the following Remediation section.

A third or fourth year student on probation because of a grade of "F" 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.

### **Appeal of a Grade/Penalty**

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

The first level of the appeal is at the academic department 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 chair of the department within ten (10) days after the grade or penalty was received.

Should the department chair be unable to resolve the dispute the student may direct a written appeal to the College of Dental Medicine's Academic Dean within thirty (30) days after receipt of the penalty. The decision of the Academic Dean is final.

### **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" in a course or system or a cumulative GPA below a 2.0, 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. Withdraw from the University (see Dismissal section for criteria for this option).

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 along with 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.

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.

### **Remediation: Financial Aid Policy**

If the student, at the end of the academic year, is still considered to be making unsatisfactory progress and must remediate, he/she is removed from the list of eligible Title IV and Title VII financial aid recipients.

Remediation of courses during the summer is not covered by any financial aid and cannot be considered an expense item for the following year. Students will attend at their own expense. Appropriate tuition and fees will be determined by the Treasurer/Chief Financial Officer in consultation with the Provost/COO and the Dean of the College of Dental Medicine.

## 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 will recommend dismissal of a student include, but are not limited to the following:

1. Receiving a cumulative grade point average below 2.0 at the end of the first or second year.
2. Receiving a final grade of “F” in two or more courses or systems totaling more than 25% of the total credit hours for the first or second year\*.
3. Receiving a grade of “F” in two or more clinical rotations in one academic year.
4. Receiving a final percentage score of below 70% (a letter grade of “F”) in a remediated course, system, or clinical rotation.

\*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 first or second years.

## Student Appeal Process

At the conclusion of each academic term, 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 Western University 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 University Academic Policies section).

## 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](#).

## CDM COMPETENCIES FOR THE GENERAL DENTIST

The general dentist is the primary oral health care provider. The practice of general dentistry requires that a dentist possess the ability to incorporate understanding, skill and values in an integrated response to clinical and other professional challenges. The following competency statements have been compiled to describe the performance of the Western University College of Dental Medicine graduates as they enter dental practice settings rather than of students in individual courses. This document is viewed by the College as a dynamic, as the practice of dentistry changes in the future.

### Domains

1. Critical Thinking
2. Professionalism/Leadership Skills
3. Communication and Interpersonal Skills
4. Health Promotion
5. Practice Management and Informatics
6. Patient Care
  - a. Assessment, Diagnosis and Treatment Planning
  - b. Establishment and Maintenance of Oral Health

### 1. Critical Thinking

Graduates must be competent to:

- 1.1. Evaluate and assess emerging trends in health care.
- 1.2. Utilize critical thinking and problem-solving skills.
- 1.3. Integrate best research outcomes with clinical expertise and patient values for evidence-based practice.

2. Professionalism/Leadership Skills  
Graduates must be competent to:
  - 2.1. Apply appropriate ethical and legal standards in the provision of dental care.
  - 2.2. Practice within the scope of competence and refer to professional colleagues when indicated.
  
3. Communication and Interpersonal Skills  
Graduates must be competent to:
  - 3.1. Apply appropriate interpersonal and communication skills
  - 3.2. Apply psychosocial and behavior principles in patient-centered health care.
  - 3.3. Communicate effectively with individuals from diverse populations.
  
4. Health Promotion  
Graduates must be competent to:
  - 4.1. Provide appropriate prevention, intervention, and educational strategies.
  - 4.2. Participate with other health care professionals in the management and health promotion for all patients
  - 4.3. Recognize and appreciate the need to contribute to the improvement of oral health beyond those served in traditional practice settings.
  
5. Practice Management and Informatics  
Graduates must be competent to:
  - 5.1. Evaluate and apply contemporary and emerging information including clinical and practice management technology resources.
  - 5.2. Evaluate and manage different models of oral health care management and delivery.
  - 5.3. Apply principles of risk management, including informed consent and appropriate record keeping in patient care.
  - 5.4. Demonstrate effective business, financial management, and human resource skills.
  - 5.5. Apply quality assurance, assessment, and improvement concepts.
  - 5.6. Comply with state and federal regulations including OSHA and HIPAA.
  - 5.7. Develop a catastrophe preparedness plan for the dental practice.
  
6. Patient Care
  - A. Assessment, Diagnosis, and Treatment Planning  
Graduates must be competent to:
    - 6.1. Obtain and interpret patient / medical data and use these findings to accurately assess and manage patients.
    - 6.2. Select, obtain, and interpret radiographic / digital images for the individual patient.
    - 6.3. Recognize the manifestations of systemic disease and how the disease and its management may affect the delivery of dental care.
    - 6.4. Formulate a comprehensive diagnosis, treatment and / or referral plan for the management of patients.
  - B. Establishment and Maintenance of Oral Health  
Graduates must be competent to:
    - 6.5. Utilize universal infection control guidelines for all clinical procedures.
    - 6.6. Prevent, identify, and manage pain and anxiety in the dental patient
    - 6.7. Manage the infant, child, adolescent, adult, geriatric and special needs patient and prevent, identify, and manage trauma, oral diseases, and disorders in these patients.
    - 6.8. Prevent, identify, and manage temporomandibular disorders.
    - 6.9. Prevent, identify and manage periodontal diseases.
    - 6.10. Develop and implement strategies for the clinical assessment and management of caries.
    - 6.11. Manage restorative procedures that preserve tooth structure, replace missing or defective tooth structure, maintain function, are esthetic, and promote soft and hard tissue health.
    - 6.12. Recognize and manage developmental or acquired occlusal abnormalities.
    - 6.13. Manage the replacement of teeth for the partially or completely edentulous patient.
    - 6.14. Prevent, identify, and manage pulpal and periradicular diseases.
    - 6.15. Manage oral surgical procedures.
    - 6.16. Prevent, identify, and manage medical and dental emergencies.
    - 6.17. Recognize and manage patient abuse and/or neglect.
    - 6.18. Recognize and manage substance abuse.
    - 6.19. Evaluate outcomes of comprehensive dental care.

## **DMD CURRICULUM**

### **First Year, Fall Term**

DMD 5025 The Molecular and Cellular Basis of Medicine (9.5 credit hours)  
DMD 5030 Gross Anatomy (8.5 credit hours)  
DMD 5035 Head and Neck Anatomy (3.5 credit hours)  
DMD 5045 The Healthcare Provider and Society I (2.0 credit hours)  
DMD 5050 Essentials of Clinical Dentistry I (3.5 credit hours)  
DMD 5060 Clinical Service Learning & Community Dentistry I (1.0 credit hour)  
DMD 5080 Essentials of Clinical Medicine for the Dental Student I (2.5 credit hours)

### **First Year, Spring Term**

DMD 5110 Oral & Maxillofacial Pathology I (3.0 credit hours)  
DMD 5125 Neuroscience System (11.5 credit hours)  
DMD 5130 Musculoskeletal System (5.0 credit hours)  
DMD 5145 Introduction to Disease, Immunity and Therapeutics (7.5 credit hours)  
DMD 5150 Essentials of Clinical Dentistry II (10.0 credit hours)  
DMD 5155 Behavioral Medicine and Psychiatry (5.5 credit hours)  
DMD 5175 Blood and Lymphatic System (4.0 credit hours)  
DMD 5180 Essentials of Clinical Medicine for the Dental Student II (2.5 credit hours)  
IPE 5100 Integrated Case-Based Learning I (1.0 credit hour)

### **Second Year, Fall Term**

DMD 6010 Oral & Maxillofacial Pathology II (3.0 credit hours)  
DMD 6015 The Healthcare Provider and Society II (3.0 credit hours)  
DMD 6020 Cardiovascular System (8.5 credit hours)  
DMD 6035 Renal System (4.5 credit hours)  
DMD 6040 Respiratory System (8.5 credit hours)  
DMD 6045 Endocrine System (5.5 credit hours)  
DMD 6050 Essentials of Clinical Dentistry III (12.0 credit hours)  
DMD 6060 Clinical Service Learning & Community Dentistry II (3.0 credit hours)  
DMD 6080 Essentials of Clinical Medicine for the Dental Student III (2.5 credit hours)  
IPE 6000 Integrated Case-Based Learning II (1.0 credit hour)

### **Second Year, Spring Term**

DMD 6115 Dermal System (3.0 credit hours)  
DMD 6130 Reproductive System (6.0 credit hours)  
DMD 6140 Gastrointestinal System (6.0 credit hours)  
DMD 6150 Essentials of Clinical Dentistry IV (12.0 credit hours)  
DMD 6160 Clinical Service Learning & Community Dentistry III (3.0 credit hours)  
DMD 6173 Geriatrics (1.5 credit hours)  
DMD 6176 Pediatrics (2.5 credit hours)  
DMD 6180 Essentials of Clinical Medicine for the Dental Student IV (2.5 credit hours)  
IPE 6100 Integrated Case-Based Learning III (1.0 credit hour)

### **Third Year, Summer Term**

DMD 7005 Clinical Comprehensive Care Dentistry I (10.0 credit hours)  
DMD 7050 Essentials of Clinical Dentistry V (6.0 credit hours)  
DMD 7060 Clinical Service Learning & Community Dentistry IV (2.0 credit hours)

### **Third Year, Fall Term**

DMD 7105 Clinical Comprehensive Care Dentistry II (12.0 credit hours)  
DMD 7110 Advanced Practice Management I (1.5 credit hours)  
DMD 7150 Essentials of Clinical Dentistry VI: Advanced Seminars (1.5 credit hours)  
DMD 7160 Clinical Service Learning & Community Dentistry V (1.0 credit hour)

### **Third Year, Spring Term**

DMD 7205 Clinical Comprehensive Care Dentistry III (12.0 credit hours)  
DMD 7210 Advanced Practice Management II (1.5 credit hours)  
DMD 7226 Clinical Diagnostic, Oral Medicine and Pathology (2.0 credit hours)  
DMD 7227 Clinical Periodontics (2.0 credit hours)  
DMD 7228 Clinical Restorative Dentistry (including Operative, Fixed- and Removable- Prosthodontics) (2.0 credit hours)  
DMD 7229 Clinical Endodontics (2.0 credit hours)  
DMD 7230 Clinical Oral and Maxillofacial Surgery (including Pain Management and Sedation) (2.0 credit hours)  
DMD 7231 Clinical Pediatric Dentistry (2.0 credit hours)  
DMD 7232 Clinical Orthodontics (2.0 credit hours)  
DMD 7250 Essentials of Clinical Dentistry VII: Advanced Seminars (1.5 credit hours)  
DMD 7260 Clinical Service Learning & Community Dentistry VI (1.0 credit hour)

### **Fourth Year, Summer Term**

DMD 8005 Clinical Comprehensive Care Dentistry IV (9 credit hours)  
DMD 8010 Advanced Practice Management III (1.5 credit hours)  
DMD 8050 Essentials of Clinical Dentistry VIII: Advanced Seminars (1.0 credit hour)  
DMD 8060 Clinical Service Learning & Community Dentistry VII (4.0 credit hours)

### **Fourth Year, Fall Term**

DMD 8105 Clinical Comprehensive Care Dentistry V (9.0 credit hours)  
DMD 8110 Ethics and Jurisprudence (1.5 credit hours)  
DMD 8126 Clinical Diagnostic, Oral Medicine and Pathology (2.0 credit hours)  
DMD 8127 Clinical Periodontics (2.0 credit hours)  
DMD 8128 Clinical Restorative Dentistry (including Operative, Fixed- and Removable- Prosthodontics) (2.0 credit hours)  
DMD 8129 Clinical Endodontics (2.0 credit hours)  
DMD 8130 Clinical Oral and Maxillofacial Surgery (including Pain Management and Sedation) (2.0 credit hours)  
DMD 8131 Clinical Pediatric Dentistry (2.0 credit hours)  
DMD 8132 Clinical Orthodontics (2.0 credit hours)  
DMD 8150 Essentials of Clinical Dentistry IX: Advanced Seminars (1.0 credit hour)  
DMD 8160 Clinical Service Learning & Community Dentistry VIII (4.0 credit hours)

### **Fourth Year, Spring Term**

DMD 8250 Essentials of Clinical Dentistry X: Advanced Seminars (1.0 credit hour)  
DMD 8260 Clinical Service Learning & Community Dentistry IX (15.0 credit hours)

## **COURSE DESCRIPTIONS**

### **DMD 5025 The Molecular and Cellular Basis of Medicine** (9.5 Credit Hrs, graded)

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 Hrs, graded)

This course presents an understanding of the structure and arrangement of the gross anatomical features of the human body. Through lectures and laboratory dissection of cadavers, students are introduced to the language of anatomy and to clinically important relationships. Models, radiographs and special demonstrations are employed to emphasize areas useful to the physician.

### **DMD 5035 Head and Neck Anatomy** (3.5 Credit Hrs, graded)

This course is a continuation of the gross anatomy course. Through lecture and laboratory, students are introduced to the anatomy of the head and neck. Particular attention is paid to the cranial nerves, both their normal function and the numerous clinical syndromes that affect them. The anatomy lectures will also be supplemented with various clinical presentations.

### **DMD 5045 The Healthcare Provider and Society I** (2.0 Credit Hrs, graded)

This course provides an exploration of the role of the healthcare provider in the larger society. This course explores philosophical and ethical issues of medicine and dentistry through its literature and history. The impact of medicine and dentistry on society and of society on the healthcare professions are also a focus of the course.

### **DMD 5050 Essentials of Clinical Dentistry I** (3.5 Credit Hrs, graded)

Essentials of Clinical Dentistry I introduces students to the world of clinical dentistry through a multifaceted approach, including simulated patients, facilitated small group sessions, didactic sessions, self-directed and online exercises, and group projects. Emphasis

is on early direct patient care activities as both an observer and in the role of a dental assistant. The course begins with a three week immersion experience followed by weekly clinic related activities with their faculty and upper-class student mentors in their assigned group practices. Students will learn basic dental assisting skills including dental terminology and morphology, equipment and instrument utilization, four-handed dentistry, ergonomics, infection control, recordkeeping and patient confidentiality, and the role of the dental assistant in medical emergencies. Other components of the course include basic foundational skills in patient communications, clinical informatics and the electronic patient record, ethics and professionalism, health promotion and disease prevention. This course is integrated with the companion courses, “Essentials of Clinical Medicine for the Dental Student I,” “Service Learning I,” and “Healthcare Provider and Society I.”

**DMD 5060 Clinical Service Learning & Community Dentistry I** (1.0 Credit Hr, graded)

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 5080 Essentials of Clinical Medicine for the Dental Student I** (2.5 Credit Hrs, graded)

Essentials of Clinical Medicine for the Dental Student I is one of several courses that provides the dental student with a broad interprofessional education and experience, essential to the future of the dental professional as an integral part of the primary healthcare team. This course introduces the students to the world of clinical medicine through a multifaceted approach, including early patient contact with model and simulated patients, facilitated small group session, didactic sessions, self-directed and online exercises, and group projects. Emphasis is on development of history-taking, and physical examination skills, critical thinking skills, differential diagnosis formation, construction of treatment plans, and doctor-patient communication skills. Other components of the course include professionalism, medical informatics, service learning, the role of the healthcare provider in society, and health promotion and disease prevention.

**DMD 5110 Oral & Maxillofacial Pathology I** (3.0 Credit Hrs, graded)

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 5125 Neuroscience System** (11.5 Credit Hrs, graded)

This course 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 systems, pathology neurology, ophthalmology, otorhinolaryngology, and overviews of sleep disorders, cerebrovascular disorders, aging and dementia.

**DMD 5130 Musculoskeletal System** (5.0 Credit Hrs, graded)

This course presents common conditions and disorders of the musculoskeletal system. The course 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. Focus is on the relevance of these topics to the primary care practice osteopathic medicine.

**DMD 5145 Introduction to Disease, Immunity and Therapeutics** (7.5 Credit Hrs, graded)

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** (10.0 Credit Hrs, graded)

Essentials of Clinical Dentistry II continues to build the foundation for students become patient care providers clinical dentistry and is a continuation of “Essentials of Clinical Dentistry I” through a multifaceted approach, including simulated patients, facilitated small group sessions, didactic sessions, self-directed and online exercises, and group projects. Emphasis is on the foundational knowledge and skills of preventive dentistry, diagnostic data gathering, restorative dentistry, pain management and materials sciences. The course consists of weekly clinic related activities.

**DMD 5155 Behavioral Medicine and Psychiatry** (5.5 Credit Hrs, graded)

Presented in conjunction with neuroscience, this course presents biological, psychological and social aspects of behavior in relation to medical practice. Major topics include the etiology and treatment of substance abuse, the physician-patient relationship, emotion

and personality, etiology of gender identity and sexual orientation, human sexuality, evolutionary origins of behavior, and the genetic and environmental aspects of behavioral disorders. The course addresses how a patient's behaviors contribute to their health and/or disease. The health provider's role in the education for behavioral change is also discussed. The psychiatry portion of the course builds upon the bio-psycho-social foundation presented during behavioral science. Major DSM-IV diagnoses will be explored. Implication for healthcare practice will be emphasized. The course develops the healthcare provider's ability to recognize and deal with, or to refer, specific psychiatric cases.

**DMD 5175 Blood and Lymphatic System** (4.0 Credit Hrs, graded)

This course presents the embryology, histology and biochemistry of the hemopoietic and lymphoreticular organs. During this system, the influences of microbiologic and pharmacologic agents are discussed. The pathological and clinical aspects of hematologic diseases and diseases of the lymphoreticular systems are presented along with the pertinent laboratory tests.

**DMD 5180 Essentials of Clinical Medicine for the Dental Student II** (2.5 Credit Hrs, graded)

This course is a continuation of "Essentials of Clinical Medicine for the Dental Student I."

**IPE 5100 Integrated Case-Based Learning I** (1.0 Credit Hr, graded)

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.

**DMD 6010 Oral & Maxillofacial Pathology II** (3.0 Credit Hrs, graded)

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 6015 The Healthcare Provider and Society II** (3 Credit Hrs, graded)

This course is a continuation of DMD/DO 5045 and explores ethical and professional issues in medicine and dentistry. Medical jurisprudence is presented as well as an introduction to healthcare systems.

**DMD 6020 Cardiovascular System** (8.5 Credit Hrs, graded)

This course presents the embryology, histology, and gross anatomy of the heart and blood vessels. The biochemistry, pharmacology, physiology, and microbiology as related to this system are also discussed. Cardiovascular pathologies are presented, along with the clinical diagnostic and treatment modalities.

**DMD 6035 Renal System** (4.5 Credit Hrs, graded)

This course presents basic science topics in embryology and histology of the kidneys and urinary system, the biochemistry, physiology, and pharmacology of fluid and electrolyte balance with emphasis on kidney function, microbiology, pharmacology. Clinical topics include management of urinary infections, and the identification, diagnosis, and treatment of renal and urinary disorders.

**DMD 6040 Respiratory System** (8.5 Credit Hrs, graded)

This course presents the embryology, histology, and gross anatomy of the lungs and nasotracheobronchial tree. Respiratory physiology and defense mechanisms, as well as microbiology, biochemistry, and pharmacology relating to the system are discussed. Pathology of the upper and lower respiratory system is presented along with clinical presentations of diagnostic and treatment modalities.

**DMD 6045 Endocrine System** (5.5 Credit Hrs, graded)

This course explores the anatomy of the hormone secreting glands, the biochemical description of a hormone, how hormones are studied and measured, and the physiology of homeostasis. Pathologies of the endocrine system and the pharmacology of endocrine drugs are presented. Clinical manifestations of endocrine disorders of various ages are presented, with emphasis on identification, diagnosis, and treatment. The course also considers the evaluation and management of endocrine emergencies.

**DMD 6050 Essentials of Clinical Dentistry III** (12.0 Credit Hrs, graded)

Essentials of Clinical Dentistry III continues to build the clinical foundational knowledge and skills of the student. In the D2 fall term, the student expands their role as a dental auxiliary and begins the transition into a dental care provider within their

faculty/student group practices. D2 students' activities include patient assessment, diagnostic data gathering, basic preventive dentistry, periodontics, local anesthesia, simple operative procedures, and basic fixed and removable prosthodontics.

**DMD 6060 Clinical Service Learning & Community Dentistry II** (3.0 Credit Hrs, graded)

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

**DMD 6080 Essentials of Clinical Medicine for the Dental Student III** (2.5 Credit Hrs, graded)

This course builds upon the knowledge and skills that the student has learned in the first two courses in the series and provides advanced training in history-taking and physical examination skills, doctor-patient communication, differential diagnosis and treatment planning. Issues including professionalism, errors and patient safety, informatics and evidenced-based care are reviewed. Students will have opportunities to add to their professional portfolios.

**IPE 6000 Integrated Case-Based Learning II** (1.0 Credit Hr, graded)

Continuation of IPE 5100.

**DMD 6115 Dermal System** (3.0 Credit Hrs, graded)

This course presents problems of the skin from a clinical perspective. Lectures are coordinated with embryology, histology, physiology, biochemistry, pharmacology, microbiology pathology, and dermatopathology.

**DMD 6130 Reproductive System** (6.0 Credit Hrs, graded)

This course presents the anatomy, embryology, and histology of both the female and male reproductive systems. The physiology, biochemistry, pathology, pharmacology, and microbiology of both reproductive systems are also discussed. In addition, the basic science disciplines present principles regarding the relationships between mother and fetus during pregnancy. Clinical lectures on obstetrics, gynecology, perinatology, and nutrition. Additionally, issues related to child abuse, the management of pregnancy, and perspectives on human sexuality are also presented.

**DMD 6140 Gastrointestinal System** (6.0 Credit Hrs, graded)

This course presents various aspects of the gastrointestinal system, including its embryology and histology. The biochemistry, physiology, the influence of pharmacology, and the problems with microbiology are presented along with the clinical and pathological aspects of the system. The nutrition course is incorporated into this system.

**DMD 6150 Essentials of Clinical Dentistry IV** (12.0 Credit Hrs, graded)

This course is a continuation of "Essentials of Clinical Dentistry III." Special emphasis is on clinical pediatric dentistry, orthodontics, special needs and geriatric dentistry.

**DMD 6160 Clinical Service Learning & Community Dentistry III** (3.0 Credit Hrs, graded)

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

**DMD 6173 Geriatrics** (1.5 Credit Hrs, graded)

This course is devoted to the special problems that can occur in the elderly. Diseases and conditions learned during the systems are now explored in light of this population. Challenges of an aging population and elder abuse issues are also explored.

**DMD 6176 Pediatrics** (2.5 Credit Hrs, graded)

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.

**DMD 6180 Essentials of Clinical Medicine for the Dental Student IV** (2.5 Credit Hrs, graded)

This course is a continuation of "Essentials of Clinical Medicine for the Dental Student III." As part of this course, students will take the Clinical Performance Evaluation (CPE). Students are required to pass the CPE in order to be promoted to the Clinical phase of the curriculum in the D3 Summer Term.

**IPE 6100 Integrated Case-Based Learning III** (1.0 Credit Hr, graded)

Continuation of IPE 6000.

**DMD 7005 Clinical Comprehensive Care Dentistry I** (10.0 Credit Hrs, graded)

A nine-week immersion experience in the summer where the student begins the transition into their role as a clinic provider when they enter their second year curriculum, integrating the students 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 surgical dentistry, including endodontics, oral and maxillofacial surgery, implant surgery, and periodontal surgery.

**DMD 7050 Essentials of Clinical Dentistry V (6.0 Credit Hrs)**

This 9-week course is a continuation of “Essentials of Clinical Dentistry IV,” focusing on advanced seminars that provide foundational knowledge and skills to support the student’s transition as a provider in the Comprehensive Care Group Practices.

**DMD 7060 Clinical Service Learning & Community Dentistry IV (2.0 Credit Hrs)**

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

**DMD 7105 Clinical Comprehensive Care Dentistry II (12.0 Credit Hrs)**

Students provide Comprehensive Care for the patients of their Comprehensive Care Group Practices. During these two terms, students will 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 7110 Advanced Practice Management I (1.5 Credit Hrs)**

This course builds upon the basic business, jurisprudence and ethical principles of the “Healthcare Provider and Society” course and 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. In addition, a broad spectrum of community experts provide timely seminars including accountants, attorneys, insurance administrators, practice consultants, healthcare policy experts, bankers, architects, administrators and practitioners from numerous clinical practice settings.

**DMD 7150 Essentials of Clinical Dentistry VI: Advanced Seminars (1.5 Credit Hrs)**

This seminar series, taught through the student’s group practices, broadly covers all disciplines of clinical dentistry. Seminars will be conducted both on campus, as well as via web-based conferencing sites while students are located at community-based sites. Clinical rounds including case presentations and discussions of assigned topics will be facilitated by faculty group leaders, community-based preceptor faculty, specialist faculty and dental students.

**DMD 7160 Clinical Service Learning & Community Dentistry V (1.0 Credit Hr)**

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

**DMD 7205 Clinical Comprehensive Care Dentistry III (12.0 Credit Hrs)**

Students continue to provide Comprehensive Care for the patients of their Comprehensive Care Group Practices. During these two terms, students will 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 Advanced Practice Management II (1.5 Credit Hrs)**

Students continue to build upon the basic business, jurisprudence and ethical principles of the “Healthcare Provider and Society” course and 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. In addition, a broad spectrum of community experts provide timely seminars including accountants, attorneys, insurance administrators, practice consultants, healthcare policy experts, bankers, architects, administrators and practitioners from numerous clinical practice settings.

**DMD 7226 Clinical Diagnostic, Oral Medicine and Pathology (2.0 Credit Hrs)**

Students continue to expand their role as a clinical provider in the area of diagnosis, oral medicine and pathology.

**DMD 7227 Clinical Periodontics (2.0 Credit Hrs)**

Students continue to expand their role as a clinical provider in the area of Periodontics.

**DMD 7228 Clinical Restorative Dentistry (including Operative, Fixed- and Removable- Prosthodontics) (2.0 Credit Hrs)**

Students continue to expand their role as a clinical provider in the area of restorative dentistry.

**DMD 7229 Clinical Endodontics (2.0 Credit Hrs)**

Students continue to expand their role as a clinical provider in the area of endodontics.

**DMD 7230 Clinical Oral and Maxillofacial Surgery (including Pain Management and Sedation) (2.0 Credit Hrs)**

Students continue to expand their role as a clinical provider in the area of oral and maxillofacial surgery.

**DMD 7231 Clinical Pediatric Dentistry (2.0 Credit Hrs)**

Students continue to expand their role as a clinical provider in the area of pediatric dentistry.

**DMD 7232 Clinical Orthodontics (2.0 Credit Hrs)**

Students continue to expand their role in clinical orthodontics.

**DMD 7250 Essentials of Clinical Dentistry VII: Advanced Seminars (1.5 Credit Hrs)**

This seminar series continues, taught through the student's group practices, to broadly cover all disciplines of clinical dentistry. Seminars will be conducted both on campus, as well as via web-based conferencing sites while students are located at community-based sites. Clinical rounds including case presentations and discussions of assigned topics will be facilitated by faculty group leaders, community-based preceptor faculty, specialist faculty and dental students.

**DMD 7260 Clinical Service Learning & Community Dentistry VI (1.0 Credit Hr)**

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

**DMD 8005 Clinical Comprehensive Care Dentistry IV (9.0 Credit Hrs)**

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

**DMD 8010 Advanced Practice Management III (1.5 Credit Hrs)**

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 VIII: Advanced Seminars (1.0 Credit Hr)**

This seminar series, taught through the student's group practices, broadly covers all disciplines of clinical dentistry. Seminars will be conducted both on campus, as well as via web-based conferencing sites while students are located at community-based sites. Clinical rounds including case presentations and discussions of assigned topics will be facilitated by faculty group leaders, community-based preceptor faculty, specialist faculty and dental students.

**DMD 8060 Clinical Service Learning and Community Dentistry VII (4.0 Credit Hrs)**

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

**DMD 8105 Clinical Comprehensive Care Dentistry V (9.0 Credit Hrs)**

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

**DMD 8110 Ethics and Jurisprudence (1.5 Credit Hrs)**

This course offered as primarily as a small group seminar, focuses on advanced topics in medical/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 8126 Clinical Diagnostic, Oral Medicine and Pathology (2.0 Credit Hrs)**

Students continue to expand their role as a clinical provider in the area of diagnosis, oral medicine and pathology.

**DMD 8127 Clinical Periodontics (2.0 Credit Hrs)**

Students continue to expand their role as a clinical provider in the area of Periodontics.

**DMD 8128 Clinical Restorative Dentistry (including Operative, Fixed- and Removable- Prosthodontics) (2.0 Credit Hrs)**

Students continue to expand their role as a clinical provider in the area of restorative dentistry.

**DMD 8129 Clinical Endodontics (2.0 Credit Hrs)**

Students continue to expand their role as a clinical provider in the area of endodontics.

**DMD 8130 Clinical Oral and Maxillofacial Surgery (including Pain Management and Sedation) (2.0 Credit Hrs)**

Students continue to expand their role as a clinical provider in the area of oral and maxillofacial surgery.

**DMD 8131 Clinical Pediatric Dentistry (2.0 Credit Hrs)**

Students continue to expand their role as a clinical provider in the area of pediatric dentistry.

**DMD 8132 Clinical Orthodontics (2.0 Credit Hrs)**

Students continue to expand their role in clinical orthodontics.

**DMD 8150 Essentials of Clinical Dentistry IX: Advanced Seminars (1.0 Credit Hr)**

This seminar series, taught through the student's group practices, broadly covers all disciplines of clinical dentistry. Seminars will be conducted both on campus, as well as via web-based conferencing sites while students are located at community-based sites. Clinical rounds including case presentations and discussions of assigned topics will be facilitated by faculty group leaders, community-based preceptor faculty, specialist faculty and dental students.

**DMD 8160 Clinical Service Learning and Community Dentistry VIII (4.0 Credit Hrs)**

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

**DMD 8250 Essentials of Clinical Dentistry X: Advanced Seminars (1.0 Credit Hr)**

This seminar series, taught through the student's group practices, broadly covers all disciplines of clinical dentistry. Seminars will be conducted both on campus, as well as via web-based conferencing sites while students are located at community-based sites. Clinical rounds including case presentations and discussions of assigned topics will be facilitated by faculty group leaders, community-based preceptor faculty, specialist faculty and dental students.

**DMD 8260 Clinical Service Learning and Community Dentistry IX (15.0 Credit Hrs)**

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

**COLLEGE OF DENTAL MEDICINE**  
**ACADEMIC CALENDAR**  
 2009-2010 Academic Year

August 3-7, 2009 Orientation Week	Monday, December 21, 2009 Winter Recess Begins
Saturday, August 8, 2009 Convocation/White Coat Ceremony	Monday, January 4, 2010 Spring Semester Begins
Monday, August 10, 2009 Classes Begin	Monday, January 18, 2010 Martin Luther King Day Holiday – no classes
Monday, September 7, 2009 Labor Day – no classes	Monday, February 15, 2010 Presidents' Day – no classes
Monday, October 12, 2009 Columbus Day – no classes	Monday, March 22, 2010 Spring Vacation Begins
Wednesday, November 25, 2009 (Noon) Thanksgiving Recess	Monday, March 29, 2010 Classes resume
Monday November 30, 2009 Classes Resume	Monday, June 14, 2010 Last Day of Spring Semester Classes
Friday, December 18, 2009 Last Day of Fall Semester Classes	