

COMPREHENSIVE DENTISTRY (CMPD)

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

Course Fees

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

CMPD 800. Dental Anatomy and Occlusion 2 Units

Term Typically Offered: Fall Only

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

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

CMPD 801. Dental Anatomy and Occlusion Lab 3 Units

Term Typically Offered: Fall Only

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

CMPD 802. Preclinical Occlusion and TMD 3 Units

Term Typically Offered: Fall Only

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

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

CMPD 803. Advanced Occlusion and Restorative Concepts 1 Unit

Grading Basis: Pass/Fail

Term Typically Offered: Fall, Spring

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

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CMPD 810. Preclinical Operative Dentistry Lecture 2.5 Units

Term Typically Offered: Spring Only

Prerequisite(s): CMPD 800.

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

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

CMPD 811. Preclinical Operative Dentistry (Lab) 3 Units

Term Typically Offered: Spring Only

Prerequisite(s): CMPD 810.

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

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

CMPD 812. Preclinical Operative Dentistry II 4 Units

Term Typically Offered: Spring Only

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

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

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

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

CMPD 832. Clinical Treatment Planning II Term Typically Offered: Spring Only Description: This course offers D4 students the opportunity to continue their experiences in treatment planning with their assigned comprehensive care patients. Patient management and case presentation techniques are utilized in a primary care setting. D4 students present their assessment of the patient's diagnostic data to their Team Leader, discussing evidence-based treatment options and appropriate specialty consultations. After obtaining any needed consultations, the D4 student presents the comprehensive treatment plan to the patient under the supervision of the Team Leader. Students formulate an individualized treatment plan with appropriate preventive measures, and refer patients to a dental specialist if treatment needs are beyond the scope of treatment for a general practitioner. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)	2 Units	CMPD 843. Clinical Removable Partial Dentures II Term Typically Offered: Spring Only Description: Students will demonstrate proficiency in clinical application of foundational knowledge in treatment planning, designing and delivering removable partial dentures with patients. Students will perfect preclinical laboratory techniques and will be exposed to additional formative clinical assessments. Students must complete treatment planning and successfully troubleshoot complexities of phase I and II therapies in the clinic. Students will be challenged with summative independent competency assessments in delivery of removable partial dentures. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)	2 Units
CMPD 840. Removable Partial Dentures Lecture Term Typically Offered: Spring Only Description: This course will have lectures that will be carried twice a week to cover the basic principles of Removable Partial Denture (RPD) Diagnosis and treatment planning. It will also cover RPD components, classification, biomechanics and design. Additionally, the course is designed to give students complete understanding of all clinical and laboratory steps involved in treatment of patients with RPD which will include understanding of all instrumentarium and the necessary skills needed to perform clinical and laboratory steps. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)	1 Unit	CMPD 845. Preclinical Complete Denture Lecture Term Typically Offered: Fall Only Description: This course is designed to provide instruction regarding complete denture prosthodontic procedures and aims to provide the student with fundamental concepts and the "how to" of procedures as related to the fabrication of the complete dentures. Concepts of complete dentures are reviewed and then applied to the fabrication of complete dentures in the preclinical lab course. The knowledge and skills developed in this course and the correlating lab course will be the basis for treatment of completely edentulous patients in the clinic. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)	1 Unit
CMPD 841. Removable Partial Dentures Laboratory Term Typically Offered: Spring Only Description: Laboratory supervision is provided so the student will learn how to apply the principles and techniques presented concurrently in the companion lecture course. Laboratory projects are assigned to prepare the student to make diagnostic impressions, construct custom trays, fabricate record bases and occlusion rims, and mount a case for diagnosis. Casts of clinic patients are issued for survey and design activities. Practical exams are given on these activities. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)	2.5 Units	CMPD 846. Preclinical Complete Denture Laboratory Term Typically Offered: Fall Only Description: Introduction to the laboratory and clinical aspects of complete denture procedures are taught. The laboratory course will apply the concepts taught in the companion lecture course and is designed to teach the student the techniques used in the fabrication of complete dentures. The students will learn the laboratory techniques involved in the construction of maxillary and mandibular complete dentures on an edentulous dentoforn patient. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)	1.5 Units
CMPD 842. Clinical Removable Partial Dentures I Term Typically Offered: Spring Only Description: This course involves the experiences in removable partial dentures. Students will demonstrate progressive proficiency in clinical application of foundational knowledge in treatment planning, designing and troubleshooting removable partial denture cases. Students will implement pre-clinical laboratory techniques while preparing for patient care. Students are required to pass formative assessments prior to continuing on the path to clinical summative competencies in their fourth year. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)	1 Unit	CMPD 847. Complete Dentures I Lecture Term Typically Offered: Fall Only Description: This is a lecture course on the clinical aspects of complete dentures. Techniques for diagnosis, impression techniques, obtaining records, selecting teeth, occlusal schemes, patient try-in, delivery, and adjustments are discussed prior to the patient appointment. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)	1 Unit
		CMPD 848. Clinical Complete Dentures I Term Typically Offered: Spring Only Description: This course provides instruction regarding complete dentures prosthodontic procedures and is designed to instruct the student on the "how to" procedures to fabricate complete dentures in a clinical setting. The student will do all the procedures leading up to delivery of a CD. Adjustments will be done until the patient is lesion free. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)	3 Units

CMPD 849. Clinical Complete Dentures II	2 Units	CMPD 854. Integrated Clinical Sciences I	4 Units
Term Typically Offered: Spring Only		Term Typically Offered: Spring Only	
Description: This course offers patient treatment experience. The student will work toward competency in constructing a complete denture on a patient. The patient will be treated until the student completes and adjusts the prosthesis and the patient is lesion free. Evaluation of the student for competency will be measured. Additional prosthesis may be assigned in order to have the student display competency. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)		Description: Integrated Clinical Sciences I and II courses introduces third-year dental students, and reinforces and deepens fourth-year dental students' skills and abilities with the respect, to the School of Dentistry's philosophy of evidence-based patient-centered care. Through an integrated and systematic curriculum that includes patient care management, standards of professionalism, case presentation and related activities, peer to peer interaction, self- assessment and skill development, students will be prepared as effective oral healthcare providers who utilize scientifically-based practices and patient-centered approaches. There will be a strong focus on active learning and critical thinking that promotes students' abilities to integrate their learning across multiple disciplinary areas, especially those related to foundation sciences. Students' ongoing progress will be assessed using a variety of avenues that include classroom assessment techniques, journaling, and reporting about patient	
CMPD 850. Foundations of Behavioral Science in Dentistry I	1 Unit	Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.	
Term Typically Offered: Spring Only			
Description: This is the first of a two preclinical course sequence in Foundations of Behavioral Science in Dentistry. This course incorporates foundational topics relevant to patient presentation, care and outcomes integral to the practice of comprehensive dentistry. Students will acquire formative knowledge and skills in the areas of demographic psychosocial, cultural and contextual factors relevant to the practice of patient centered Evidence-Based Dentistry. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)		For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)	
CMPD 851. Foundations of Behavioral Science in Dentistry II	1 Unit	CMPD 855. Integrated Clinical Sciences II	4 Units
Term Typically Offered: Spring Only		Term Typically Offered: Spring Only	
Prerequisite(s): CMPD 850.		Description: Integrated Clinical Sciences I and II courses introduces third-year dental students, and reinforces and deepens fourth-year dental students' skills and abilities with the respect, to the School of Dentistry's philosophy of evidence-based patient-centered care. Through an integrated and systematic curriculum that includes patient care management, standards of professionalism, case presentation and related activities, peer to peer interaction, self- assessment and skill development, students will be prepared as effective oral healthcare providers who utilize scientifically-based practices and patient-centered approaches. There will be a strong focus on active learning and critical thinking that promotes students' abilities to integrate their learning across multiple disciplinary areas, especially those related to foundation sciences. Students' ongoing progress will be assessed using a variety of avenues that include classroom assessment techniques, journaling, and reporting about patient	
Description: This is the second of a two preclinical course sequence in Foundations of Behavioral Science in Dentistry. This course incorporates foundational topics relevant to patient presentation, care and outcomes integral to the practice of comprehensive dentistry. Students will apply formative knowledge and skills in the areas of demographic psychosocial, cultural and contextual factors relevant to the practice of patient centered Evidence-Based Dentistry. Additionally, foundational knowledge and skills will be applied to enhance culturally competent communication and effective care in oral health. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)		Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.	
CMPD 852. Clinical Behavioral Science in Dentistry	1 Unit	For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)	
Term Typically Offered: Fall Only		CMPD 860. Introduction to Preventive Dentistry	1 Unit
Description: This Clinical Behavioral Science course extends the foundational knowledge base covered in the preclinical course sequence (Foundations of Behavioral Science in Dentistry I & II) to more advanced clinical application. This course incorporates foundational topics with more complex and real-world clinical application relevant to patient presentation, care and outcomes integral to the practice of Comprehensive Dentistry. Students will apply advanced knowledge and skills in two key areas: Urgent and emergent clinical presentations and Complex patient presentations. These will be applied to enhance culturally competent and effective care in oral health to enhance the practice of patient centered, Evidence-Based Comprehensive Dentistry. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)		Term Typically Offered: Fall Only	
		Description: This is a graded course for the incoming students. It is a preliminary approach to the etiology and pathogenesis of dental caries and periodontitis with discussions of salivary physiology, caries risk assessment, OTC preventive products, prescription RX preventive products, nutrition and oral health throughout the life span, and clinical applications of fluoride. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)	

CMPD 861. Clinical Preventive Dentistry I 1 Unit Term Typically Offered: Spring Only Prerequisite(s): Introductory course in Preventive Dentistry. Description: Students will apply, analyze and demonstrate foundational caries management and disease prevention knowledge learned in the pre-clinical curriculum while delivering patient care. Students will incorporate foundation knowledge and be evaluated on daily clinical skills activities involving adult prophylaxes, oral hygiene instructions, caries risk assessment and caries detection/diagnosis in the provision of patient care. Students will also demonstrate core concepts and progression through formative assessments including quizzes and case-based written examinations. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)	CMPD 865. Clinical Grand Rounds, Third Year DMD Students 1 Unit Term Typically Offered: Spring Only Description: Grand Rounds is a seminar course that holds the promise of connecting what you are learning through your four years of dental school and to life beyond dental school. Focus on critical thinking, developing problem-solving and life-long learning skills, reinforce appraisal of information, the respect of patient values and interdisciplinary decision-making for evidence-based patient treatment. Grand Round Teams are comprised of 4 students, each at a different stage in DMD education—one D1, D2, D3 and D4—randomly selected from within the same clinical team. The Fourth year DMD students will be the team leader. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)
CMPD 862. Clinical Preventive Dentistry II 2 Units Term Typically Offered: Spring Only Prerequisite(s): Clinical Preventive Dentistry I. Description: Students will become proficient in caries management and disease prevention instruction in patient care. Students will incorporate foundation knowledge and be evaluated on daily clinical skills activities involving adult prophylaxes, oral hygiene instructions, caries risk assessment and caries detection/diagnosis in the provision of patient care. Ultimately, students will demonstrate clinical competence in each of these areas through summative assessments including clinical and case based written examinations. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)	CMPD 866. Clinical Grand Rounds, Fourth Year DMD Students 1 Unit Term Typically Offered: Spring Only Description: Grand Rounds is a seminar course that holds the promise of connecting what you are learning through your four years of dental school and to life beyond dental school. Focus on critical thinking, developing problem-solving and life-long learning skills, reinforce appraisal of information, the respect of patient values and interdisciplinary decision-making for evidence-based patient treatment. Grand Round Teams are comprised of 4 students, each at a different stage in DMD education—one D1, D2, D3 and D4—randomly selected from within the same clinical team. The Fourth year DMD students will be the team leader. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)
CMPD 863. Clinical Grand Rounds, First Year DMD Students 1 Unit Term Typically Offered: Spring Only Description: Grand Rounds is a seminar course that holds the promise of connecting what you are learning through your four years of dental school and to life beyond dental school. Focus on critical thinking, developing problem-solving and life-long learning skills, reinforce appraisal of information, the respect of patient values and interdisciplinary decision-making for evidence-based patient treatment. Grand Round Teams are comprised of 4 students, each at a different stage in DMD education—one D1, D2, D3 and D4—randomly selected from within the same clinical team. The Fourth year DMD students will be the team leader. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)	CMPD 870. Growth and Development 1 Unit Term Typically Offered: Spring Only Description: This course will introduce the D1 dental student to the anatomical, physiological and psycho-social factors associated with the growth and development of humans. Early human development with emphasis on the oral structures up to the adolescent years. It will also demonstrate the application of this basic information during the treatment of children, adolescents and adult patients in the general practice of dentistry. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)
CMPD 864. Clinical Grand Rounds, Second Year DMD Students 1 Unit Term Typically Offered: Spring Only Description: Grand Rounds is a seminar course that holds the promise of connecting what you are learning through your four years of dental school and to life beyond dental school. Focus on critical thinking, developing problem-solving and life-long learning skills, reinforce appraisal of information, the respect of patient values and interdisciplinary decision-making for evidence-based patient treatment. Grand Round Teams are comprised of 4 students, each at a different stage in DMD education—one D1, D2, D3 and D4—randomly selected from within the same clinical team. The Fourth year DMD students will be the team leader. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)	CMPD 871. Pediatric Dentistry I 1 Unit Term Typically Offered: Fall Only Description: This lecture course presents a brief introduction to the Pediatric Dentistry Clinic designed to give the basic knowledge and clinical skills necessary for management of the simplest and most basic pediatric patient needs. This will include an introduction to the Pediatric Dentistry Clinic and its forms, procedures, treatment planning and case presentation pertinent to dentistry for children, pediatric oral radiology, operative dentistry, preventive techniques and theories, pulp therapy and an overview of what to expect encountering the personality of the child patient. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)

CMPD 872. Pediatric Dentistry II Term Typically Offered: Spring Only Description: Lecture course covering the topics included in Pediatric Dentistry I in more depth and also covers space management, oral trauma, pediatric periodontics and oral surgery, and emergency management. This course concludes with case presentations designed to bring together previous course work and solidify preparation for the National Boards. The course overlaps the students' first pediatric dentistry clinical rotation and will give you the opportunity to put this information to good use. Objectives are given for each lecture as an aid in preparing for examinations. There are pre-class reading assignment responsibilities. Each week you will be given a reading assignment that should be read prior to class time. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)	1 Unit	CMPD 876. Concepts in Special Patient Care Term Typically Offered: Spring Only Description: This course will provide the third-year dental student with instruction in basic concepts pertinent to the provision of dental care to several unique, medically-complex patient populations, which may be encountered in contemporary dental practice ? a constellation of populations commonly referred to as patients with special needs. Special attention is focused on the adult patient with intellectual and developmental disabilities (IDD). Concepts presented will address special patient care in a variety of clinical settings, including the dental operator, the intermediate care facility (ICF), the operating room and the psychiatric hospital, and will stress the importance of an interdisciplinary approach to patient-centered care. Satisfactory completion of the course is required before assignment to the special care service rotation in the fourth year. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)	1 Unit
CMPD 873. Preclinical Pediatrics (Lecture and Laboratory) Term Typically Offered: Spring Only Description: This Pediatric Preclinical lecture /lab course is designed to provide specific didactic and technical knowledge to improve student's psychomotor skills previous exposure to the clinical setting. During the lectures and practical laboratory sessions, the student will receive concepts in preventive dentistry procedures such as sealants and preventive resin restorations, common operative dentistry in primary teeth, such as Class II and Stainless Steel Crowns tooth prep and crown adaptation. The student will recognize space maintainer's types, design and fabrication of a band and loop appliance as well as to apply critical thinking process to provide diagnosis and alternative pulp therapy treatments options including a pulpotomy procedure in a primary molar. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)	3 Units	CMPD 880. Community Service Grading Basis: Pass/Fail Term Typically Offered: Fall Only Description: This 3-year course provides the student dentist with the opportunity to participate in a wide range of service learning community activities. In so doing, it affords the student an opportunity to learn more about the community in which they are living and working, as well as to experience the responsibility of the health care professional in terms of community engagement. Successful educational outcomes in management of community dentistry are demonstrated by the new dentist's ability to self-assess and describe an active role in promoting oral health in the community. Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)	0.5 Units
CMPD 874. Clinical Pediatric Dentistry Term Typically Offered: Fall Only Description: The Clinical Pediatric Dentistry course is completed on a block assignment rotation basis. A rotation schedule is provided. On completion of this course a student should feel confident about patient management, diagnosis, treatment plan and comprehensive dental care for the child patient. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)	3 Units	CMPD 881. Clinical Extramural Experience Grading Basis: Pass/Fail Term Typically Offered: Fall Only Description: Students in good academic standing can elect to complete a two week experience in dental sites throughout the Commonwealth of Kentucky and in other states. A variety of possible sites include rural and urban private practices, public and private clinics, hospital settings and Indian reservations. Besides performing clinical work, students are expected to describe practice management systems and to investigate the interrelationships of the health care system with the community. The instructional mode is Community-Based Learning (CBL). Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)	2 Units
CMPD 875. Care of the Pediatric Special Needs Patient Grading Basis: Pass/Fail Term Typically Offered: Spring Only Description: The American Academy of Pediatric Dentistry defines Special Health Care Needs to include any physical, developmental, mental sensory, behavioral, cognitive or emotional impairment of limiting condition that requires medical management, health care intervention, and/or use of specialized services or programs. The condition may be congenital, developmental, or acquired through disease, trauma, or environmental cause. Health care for individuals with special needs requires specialized knowledge acquired by additional training, as well as increased awareness and attention, adaptation, and accommodative measures beyond what are considered routine. The 3rd year dental students receive didactic and clinical instruction. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)	1 Unit		

CMPD 882. Ethical Issues in Dentistry Term Typically Offered: Spring Only Description: Both dental students and practicing health professionals are often called upon to make critical decisions which require discernment in the balancing potential harms and benefits of a particular treatment in the clinical setting. The aim of this course is to help prepare the student for practice by presenting both ethical issues that occur frequently in dentistry, and a set of bioethical principles commonly used in U.S. healthcare that provide a framework for analysis of the ethical complexities of patient care. Reasoning through these ethical issues creates familiarity with the principles, which are also endorsed by the ADA and the American College of Dentists, and provides students with guidance for dealing successfully with patients, peers, and society. Another goal of this course is to increase student awareness of the concepts of professionalism and social responsibility, and to assist the student with learning skills for providing care for a diverse population of patients. Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)	1 Unit	CMPD 885. Practice Management II Term Typically Offered: Fall Only Description: The goal of this course is to present and discuss specific topics in the management of a dental practice. Students are expected to draw on examples and experiences encountered while on extramural rotation. This is the capstone practice management course for dental students. The course describes business principles and how they are applied in a typical general dental practice. Teams of students also operate a computer-simulated dental practice. Classroom activities support the concepts that govern the computer simulation and material in the text. The final summative assessment is the student successfully operating a computer simulation practice. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)	3 Units
CMPD 883. Evidence-Based Dentistry I Term Typically Offered: Fall Only Prerequisite(s): DMD student. Description: This course aims to provide students with the necessary scientific foundation of knowledge and skills required to practice effective "Evidence-based Dentistry". Specifically, students will gain knowledge and skills to form critical questions, locate information, judge the quality of available information, and apply the evidence to clinical decision making and ongoing evaluation in both patient care at the individual level, and oral health promotion and community advocacy at the population level. Students will learn to access relevant scientific literature and conduct searches, and tools and methodology to critique the scientific literature. Updated learning outcomes to reflects these changes. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)	1 Unit	CMPD 886. National Board Review Grading Basis: Pass/Fail Term Typically Offered: Fall Only Description: This Board Review Course is a self-paced online course that is designed to prepare the student for the new Integrated National Board Dental Examination (INBDE). The exam preparation online questions will focus more on the decision-making process relevant to the safe practice of dentistry through the integration of the basic sciences and dental and clinical sciences. Students are encouraged to use multiple modalities and BoardVitals (now accessible form the School of Dentistry portal on the Kornhauser Library website under Essential Resources for Dentistry) to prepare for the end of course mock board final exam. In order to receive the required approval from the Associate Dean of Academic Affairs to register for the national board exam, the student must successfully complete course requirements and pass the end of course mock final exam. Progression through the online course questions will be tracked and must be completed prior to challenging the final mock board exam. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)	2 Units
CMPD 884. Practice Management I Term Typically Offered: Spring Only Description: This course presents basic business management concepts as applied to a dental practice. The content is tailored to prepare the student for their extramural rotation in which practice management is a component. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)	1 Unit	CMPD 887. Professionalism & Ethics Fundamentals Term Typically Offered: Fall Only Description: The goal of this course is to increase student awareness and application of the concepts of professionalism and social responsibility, and to assist the student with acquiring knowledge, skills and judgement for providing care for a diverse population of patients. This course will help prepare the students with bioethical principles used in healthcare when engaged in patient centered care. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)	1 Unit

CMPD 890. Principles of Digital Photography in Dentistry 0.5 Units**Grading Basis:** Pass/Fail**Term Typically Offered:** Fall, Spring**Prerequisite(s):** 4th Year Course.

Description: With Bioinformatics becoming the tool of communication in the medical field, and with having the digital tools and knowing how to use them; sharing the information and obtaining consults should become very easy. For that reason, this hands-on course was developed with the following outlines: This course is a combination of lecture/hands-on portions. Lectures will cover the basics of dental photography and the multiple setups, techniques, various standard views, photography of instruments, casts, X-rays, and documents, and the different techniques to obtain valid photographs.

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

CMPD 899. Preclinical Student Teaching Experience 2-4 Units**Grading Basis:** Pass/Fail**Term Typically Offered:** Fall, Spring**Prerequisite(s):** B or better in preclinical courses.

Description: Provide senior dental students with practical teaching experiences in an environment in which they are comfortable and familiar. Foster an interest in academic dentistry to help fulfill a need in the area of dentistry.

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

CMPD 910. General Practice Residency 0 Units**Grading Basis:** Pass/Fail**Term Typically Offered:** Fall, Spring**Description:** Hospital-based one-year dental residency program.

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

CMPD 920. Advanced Education in Pediatric Dentistry 9 Units**Grading Basis:** Pass/Fail**Term Typically Offered:** Fall, Spring**Description:** Postgraduate education in Pediatric Dentistry

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