SUHD 802. Pain and Anxiety Control 3 Units
Term Typically Offered: Spring Only
Description: Students acquire an understanding of pain and the principles of pain as related to the treatment of patients. Competency is gained in the techniques of pain control, especially those of local anesthesia. Evaluation of the physical/mental/emotional status of the patient and determination of the proper pain control technique and its correlation with patient status and treatment procedure are stressed.

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

SUHD 803. Oral Pathology 4 Units
Term Typically Offered: Spring Only
Description: This course introduces the student to diseases and conditions that affect the oral mucosa, maxillofacial complex and surrounding skin. The first part of the course is structured around mucosal and mucocutaneous disease. Part two consists of conditions that affect hard tissue (bone and teeth). Part three re-assembles the conditions clinically, rather than by chapters, enabling students to use their knowledge base in a differential diagnosis format to solve problems, direct management and make diagnoses. Also included in section 3 is the rationale for biopsy and other adjuncts in diagnosis. A 2-hour section on person abuse is also included.

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

SUHD 805. Principles of Oral Surgery 1 Unit
Term Typically Offered: Fall Only
Description: This course introduces the dental student to the principles of basic and complicated exodontia and impactions. The diagnosis and treatment of odontogenic infections, along with laboratory diagnosis and biopsy technique are discussed. Cysts of the jaws, their diagnosis and treatment, soft tissue and bony tumors of the oral cavity are reviewed. The discussion of the management of acute postoperative pain enables the student to more intelligently deal with the problem. Likewise, the student is introduced to the principles of basic and advanced cardiopulmonary resuscitation and specifically deals with emergencies in the dental office. Dental implantology is introduced.

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

SUHD 806. Principles of Oral Surgery II 1 Unit
Term Typically Offered: Spring Only
Description: This course is designed to give the third dental student a basic understanding of the specialty of oral and maxillofacial surgery; the process of diagnosis, surgical and adjunctive management of diseases, deformities and malformations of the mouth and jaws and associated structures. The material presented will help the student acquire: an understanding of the specialty of oral and maxillofacial surgery; fundamentals in diagnosis and treatment of facial injuries; an awareness of the proper techniques in preparing a mouth for prostheses as well as what surgery has to offer the edentulous cripple; fundamental knowledge of the functional disorders affecting the temporomandibular joints and muscles of mastication; knowledge of surgical diseases of the salivary glands; awareness of these various dentofacial deformities and what surgical therapy has to offer; an understanding of the basic management of oral tumors and a knowledge of basic disorders of the maxillary sinus. The student is expected to gain an awareness of surgical disorders and modern surgical therapy so that as a practitioner he/she recognizes surgical problems in his/her patients, initiates appropriate therapy and/or makes intelligent referrals.

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

SUHD 807. Clinical Oral Surgery I 4 Units
Grading Basis: Pass/Fail
Term Typically Offered: Spring Only
Description: This course provides a clinical learning experience, culminating the didactic theory and techniques of exodontia and minor oral surgery for dental students.

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

SUHD 808. Clinical Oral Surgery II 2 Units
Grading Basis: Pass/Fail
Term Typically Offered: Fall Only
Description: This course provides a clinical learning experience culminating the didactic theory and techniques of minor and major oral and maxillofacial surgery for D4 dental students.

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

SUHD 811. General Medicine in Dentistry 1 Unit
Grading Basis: Pass/Fail
Term Typically Offered: Fall Only
Description: This course introduces the D4 dental student to general medicine concepts and their application to dentistry. The body will be broken down into the major organ systems, with discussion on their pathophysiology and how it affects dental care. There will be heavy clinical basis and clinical application of basic science principles.

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

For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)
SUHD 813. Oral Radiology I
**Term Typically Offered:** Fall Only
**Description:** This didactic course in Oral and Maxillofacial Radiology provides the student with the fundamental principles for the safe and effective use of radiation for diagnostic imaging in Dentistry. Students will be introduced to concepts in five domains: Radiation Physics, Radiation Biology, Dental Imaging Modalities, Imaging Selection Criteria, Digital Imaging and Picture Archiving and Communications (PACS) software use. The course will provide opportunities for critical thinking by applying knowledge and concepts to real-life clinical situations. Students will develop skills to help them solve scenarios that require the integration of multiple contexts when applying patient care. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)

SUHD 814. Oral Radiology II
**Term Typically Offered:** Spring Only
**Description:** The course comprises an intensive didactic component and a follow up pre-clinical simulated clinical experience encompassing the fundamental intra- and extraoral principles and best practices fundamental to contemporary oral and maxillofacial radiography. Lectures will introduce panoramic and periapical image formation principles, normal radiographic anatomy and intra- and extra-oral imaging techniques. Students will also learn radiographic quality control principles. Clinical activities provide opportunities for the student to apply their knowledge and develop skills in radiographic technique necessary to produce images of diagnostic quality essential to radiologic interpretation. The course will develop critical thinking skills to solve real-life clinical situations that require the integration of multiple contexts when applying patient care. Technical proficiency in basic radiography is developed working on manikins. Under direct supervision these skills are adapted to the clinical situation. This laboratory/clinic must be completed prior to enrollment in Clinical Oral Radiology. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)

SUHD 815. Clinical Oral Radiology
**Term Typically Offered:** Fall Only
**Description:** Perfection of radiologic technical skills through supervised clinical practice in managing patients with varied oral and dental conditions. The student develops independent judgment through written interpretation of full mouth and other necessary radiographs to assist in diagnosis and treatment planning. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)

SUHD 816. Advanced Radiologic Interpretation
**Term Typically Offered:** Spring Only
**Description:** This seminar and case-based course presents a series of topics enabling students to identify, describe and interpret the radiologic features of various disease processes affecting the jaws, temporomandibular joint and maxillary sinuses likely to be encountered in general dental practice including developmental, trauma, inflammation, and neoplasia. The principles of management based on developing a differential radiographic diagnosis will be presented and the appropriate use of advanced imaging in dentistry demonstrated. Recent innovations in diagnostic imaging and evolving radiation safety concepts will be presented. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)

SUHD 821. General Pathology
**Term Typically Offered:** Fall Only
**Description:** This course is designed to prepare the dentist in the essential role of doctor and specialist of the oral cavity; i.e., one who recognizes, diagnoses and treats oral disease and systemic diseases which affect the oral cavity. Pathology deals with the alternations in anatomy, histology, physiology and biochemistry encountered in disease. It also include etiology (cause), pathogenesis (mechanism of disease development), pathophysiology (how alterations of diseased tissue affect body functions), clinical features (signs and symptoms), diagnosis, course and outcome (prognosis of disease). For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)

SUHD 900. Oral and Maxillofacial Surgery Residency
**Grading Basis:** Pass/Fail
**Term Typically Offered:** Fall, Spring, Summer
**Description:** Residency in Oral and Maxillofacial Surgery. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)

SUHD 910. General Practice Residency
**Grading Basis:** Pass/Fail
**Term Typically Offered:** Fall, Spring, Summer
**Description:** General Practice Residency. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)