

ORTHODONTICS (ORTHODONT)

ORTHODONT 183 Fundamentals of Clear Aligner Orthodontic Treatment (1 Units)

Instructor(s): Snehlata Oberoi

Prerequisite(s): None

Restrictions: Students enrolled in the D3, D4, IDP3, and IDP4 programs

This course introduces the fundamentals of orthodontic clear aligner treatment to the predoctoral dental student. Clear aligner software, will be presented and it's applications to treatment planning and various non complex orthodontic malocclusions. The types of cases that can and can not be treated with clear aligners will be described.

School: Dentistry

Department: Orofacial Sciences

May the student choose the instructor for this course? No

Does enrollment in this course require instructor approval? No

Graduate Division course: No

Is this a web-based online course? No

Is this an Interprofessional Education (IPE) course? No

May students in the Graduate Division (i.e. pursuing Master or PhD)

enroll in this course? No

Repeat course for credit? No

ORTHODONT 184 Clinical Management of Clear Aligner Treatment (0.5 Units)

Instructor(s): Snehlata Oberoi

Prerequisite(s): The student has to have passed ORTHODONT 183

Restrictions: Students enrolled and in good standing D3, D4, IDP3 and IDP4

This clinical course provides experience in treating orthodontic patients, who have a dental malocclusion, with the Invisalign appliance.

School: Dentistry

Department: Orofacial Sciences

May the student choose the instructor for this course? No

Does enrollment in this course require instructor approval? No

Graduate Division course: No

Is this a web-based online course? No

Is this an Interprofessional Education (IPE) course? No

May students in the Graduate Division (i.e. pursuing Master or PhD)

enroll in this course? No

Repeat course for credit? No

ORTHODONT 189 Adv Orthodontics in Gen Practice (1 Units)

Instructor(s): Snehlata Oberoi

Prerequisite(s): Second, third and fourth year standing in the dental school or a student in the international dental student program.

Restrictions: None

Second, third, and fourth-year dental students as well as international dental students will work closely with second- and third-year orthodontic residents in the clinical management of patients requiring comprehensive orthodontic treatment delivered by the orthodontic specialist.

School: Dentistry

Department: Orofacial Sciences

May the student choose the instructor for this course? No

Does enrollment in this course require instructor approval? No

Graduate Division course: No

Is this a web-based online course? No

Is this an Interprofessional Education (IPE) course? No

May students in the Graduate Division (i.e. pursuing Master or PhD)

enroll in this course? No

Repeat course for credit? Yes

ORTHODONT 440 Orientation to Clinical Orthodontics (1 Units)

Instructor(s): Christine Hong

Prerequisite(s): Enrolled in orthodontic postgraduate course

Restrictions: None

This course introduces basic concepts in orthodontics beginning with skeletal and dental classifications of malocclusions, and then use of cephalometric, dental cast models, and facial pictures to evaluate the symmetry and proportions of the face.

School: Dentistry

Department: Orofacial Sciences

May the student choose the instructor for this course? No

Does enrollment in this course require instructor approval? No

Graduate Division course: No

Is this a web-based online course? No

Is this an Interprofessional Education (IPE) course? No

May students in the Graduate Division (i.e. pursuing Master or PhD)

enroll in this course? No

Repeat course for credit? No

ORTHODONT 441 Introduction to Orthodontic Techniques (1 Units)

Instructor(s): Christine Hong

Prerequisite(s): None.

Restrictions: Enrollment in postgraduate professional program in School of Dentistry

The theory of removable orthodontic appliances, primarily of the Hawley type, will be taught and demonstrated. The design of various appliances and the fabrication of a typical retainer will be demonstrated.

School: Dentistry

Department: Orofacial Sciences

May the student choose the instructor for this course? No

Does enrollment in this course require instructor approval? No

Graduate Division course: No

Is this a web-based online course? No

Is this an Interprofessional Education (IPE) course? No

May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course? No

Repeat course for credit? Yes

ORTHODONT 442 Introduction to Diagnosis and Treatment Planning (1 Units)

Instructor(s): Mona Bajestan

Prerequisite(s): None.

Restrictions: Enrollment in the postgraduate orthodontic program

This course introduces how to develop the problem list, treatment goals, and how to create a treatment plan to accomplish the treatment goals. Diagnostic and treatment planning criteria will be taught that demonstrate the specific steps in developing an efficient treatment plan.

School: Dentistry

Department: Orofacial Sciences

May the student choose the instructor for this course? No

Does enrollment in this course require instructor approval? No

Graduate Division course: No

Is this a web-based online course? Yes

Is this an Interprofessional Education (IPE) course? No

May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course? No

Repeat course for credit? No

ORTHODONT 443 Review of Classic Texts in Orthodontics: Proffit/Graber (1 Units)

Instructor(s): Mona Bajestan

Prerequisite(s): Enrolled in 1st year post graduate orthodontic program or consent of the instructor.

Restrictions: None.

Review of Proffit and Graber Textbooks provides the basis of knowledge for 1st year post graduate orthodontic students. The students work in a group discussion format facilitated by the orthodontic faculty. Topics to be covered include growth and development, orthodontic diagnosis, treatment planning, treatment techniques, and history of orthodontics.

School: Dentistry

Department: Orofacial Sciences

May the student choose the instructor for this course? No

Does enrollment in this course require instructor approval? No

Graduate Division course: No

Is this a web-based online course? No

Is this an Interprofessional Education (IPE) course? No

May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course? Yes

Repeat course for credit? No

ORTHODONT 444A Basics of Cephalometric Analysis (1 Units)

Instructor(s): Mona Bajestan, Renie Ikeda

Prerequisite(s): None

Restrictions: Enrolled in postgraduate orthodontic program

This course introduces residents to the concept and use of computerized digital cephalometric programs in the diagnosis and treatment planning of patients. Residents will gain knowledge in cephalometric analysis on lateral cephalometric radiographs, panoramic radiographs, full mouth series (periapicals and bitewings), tomograms of the TMJ, and other relevant radiographs. Special emphasis is placed on treatment predictions to help determine treatment plan choice.

School: Dentistry

Department: Orofacial Sciences

May the student choose the instructor for this course? No

Does enrollment in this course require instructor approval? No

Graduate Division course: No

Is this a web-based online course? Yes

Is this an Interprofessional Education (IPE) course? No

May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course? No

Repeat course for credit? No

ORTHODONT 444B Introduction to 3-D Imaging (1 Units)

Instructor(s): Snehlata Oberoi
Prerequisite(s): None

Restrictions: Enrolled in postgraduate orthodontic program

This course will focus on cone beam CT imaging and its applications in imaging impacted teeth, size of the airway, malocclusions, and temporomandibular joint disorders. Topics covered include: principles of modern CBCT technology and its usage, identification of radiographic anatomy, landmarks, and anomalies; how to perform a systematic review and interpretation of a CBCT scan; selection of the proper CBCT sections and views to address specific concerns; and risks of ionizing radiation.

School: Dentistry

Department: Orofacial Sciences

May the student choose the instructor for this course? No

Does enrollment in this course require instructor approval? No

Graduate Division course: No

Is this a web-based online course? No

Is this an Interprofessional Education (IPE) course? No

May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course? No

Repeat course for credit? No

ORTHODONT 445 Facial Growth & Development (1 Units)

Instructor(s): Kelly Giannetti
Prerequisite(s): In postgraduate orthodontic program

Restrictions: Enrolled in the postgraduate orthodontic or pediatric dentistry programs

This course will focus on craniofacial development as defined by cephalometric analysis of lateral and frontal head films emphasizing how growth occurs.

School: Dentistry

Department: Orofacial Sciences

May the student choose the instructor for this course? No

Does enrollment in this course require instructor approval? No

Graduate Division course: No

Is this a web-based online course? No

Is this an Interprofessional Education (IPE) course? No

May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course? No

Repeat course for credit? No

ORTHODONT 447A Fundamentals of Biomechanics (1 Units)

Instructor(s): Christine Hong
Prerequisite(s): Enrolled in orthodontic postgraduate program

Restrictions: None.

This course describes the basic physical properties of orthodontic wires. The process of selecting these wires is described using their unique characteristics as decision points. Using the concept of slot play and the characteristics of static beam theory, the process of selecting specific custom torque prescriptions for each tooth is described and utilized in the course. Force systems utilizing the center of resistance of teeth will be taught and described. This is Part 1 of a 2 part series.

School: Dentistry

Department: Orofacial Sciences

May the student choose the instructor for this course? No

Does enrollment in this course require instructor approval? No

Graduate Division course: No

Is this a web-based online course? Yes

Is this an Interprofessional Education (IPE) course? No

May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course? Yes

Repeat course for credit? No

ORTHODONT 447B Clinical Applications of Biomechanics (1 Units)

Instructor(s): Christine Hong
Prerequisite(s): Pass ORTHODONT 447A

Restrictions: None

This is Part 2 of a 2-part series on biomechanics and biomaterials. Part 2 focuses on clinical applications of biomechanical principles.

School: Dentistry

Department: Orofacial Sciences

May the student choose the instructor for this course? No

Does enrollment in this course require instructor approval? No

Graduate Division course: No

Is this a web-based online course? No

Is this an Interprofessional Education (IPE) course? No

May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course? No

Repeat course for credit? No

ORTHODONT 448 Orthodontic Journal Club and Literature Review (1 Units)

Instructor(s): Christine Hong

Prerequisite(s): None

Restrictions: Student has to be enrolled into the postgraduate orthodontic program

Students will review pertinent literature related to orthodontics and related fields emphasizing papers important to developing the modern concepts of orthodontic treatment.

School: Dentistry

Department: Orofacial Sciences

May the student choose the instructor for this course? No

Does enrollment in this course require instructor approval? No

Graduate Division course: No

Is this a web-based online course? No

Is this an Interprofessional Education (IPE) course? No

May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course? No

Repeat course for credit? Yes

ORTHODONT 449 Advanced Orthodontic Diagnosis and Treatment Planning (1 Units)

Instructor(s): Christine Hong

Prerequisite(s): None

Restrictions: Enrollment in the postgraduate orthodontic program

This course focuses on the how to diagnose and treatment plan complex and difficult orthodontic cases. Advanced diagnostic and treatment planning techniques will be demonstrated in detail. Case presentations by faculty and students will be used to demonstrate the techniques. Multiple treatment options for the same case will be discussed.

School: Dentistry

Department: Orofacial Sciences

May the student choose the instructor for this course? No

Does enrollment in this course require instructor approval? No

Graduate Division course: No

Is this a web-based online course? No

Is this an Interprofessional Education (IPE) course? No

May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course? No

Repeat course for credit? No

ORTHODONT 450 Treatment in Progress Seminar (1 Units)

Instructor(s): Mona Bajestan, Christine Hong

Prerequisite(s): NONE.

Restrictions: Enrolled in 1st, 2nd, or 3rd year of postdoctoral orthodontic program or consent of instructor

This seminar series is composed primarily of in-progress or infrequently completed case reports. Students prepare case presentations on a rotating basis in audiovisual format, providing an analysis of the diagnosis, treatment planning and evaluation of growth and developmental changes. The purpose of the course is to develop a critical analytical approach to treatment and ability to propose treatment corrections when warranted to achieve desirable outcomes.

School: Dentistry

Department: Orofacial Sciences

May the student choose the instructor for this course? No

Does enrollment in this course require instructor approval? No

Graduate Division course: No

Is this a web-based online course? No

Is this an Interprofessional Education (IPE) course? No

May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course? No

Repeat course for credit? No

ORTHODONT 452 Principles of Orthodontic Finishing (1 Units)

Instructor(s): Christine Hong

Prerequisite(s): Enrollment in postgraduate orthodontics

Restrictions: None

The course demonstrates the clinical principals of finishing orthodontic cases to an excellent occlusion and functional result. The course will focus on quality finishing of edgewise orthodontic cases, is a process that begins with placement of the braces, therefore "Begin With End In Mind", and runs through placement of the retention devices.

School: Dentistry

Department: Orofacial Sciences

May the student choose the instructor for this course? No

Does enrollment in this course require instructor approval? No

Graduate Division course: No

Is this a web-based online course? No

Is this an Interprofessional Education (IPE) course? No

May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course? No

Repeat course for credit? No

ORTHODONT 453 Fundamentals of Clear Aligner Therapy (1 Units)

Instructor(s): Robert Lee

Prerequisite(s): Enrolled in postgraduate orthodontics

Restrictions: None

This course will concentrate on the fundamentals of clear aligner therapy. Students will learn different clear aligner techniques, protocols, biomechanics, philosophies, and clinical approaches.

School: Dentistry

Department: Orofacial Sciences

May the student choose the instructor for this course? No

Does enrollment in this course require instructor approval? No

Graduate Division course: No

Is this a web-based online course? Yes

Is this an Interprofessional Education (IPE) course? No

May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course? No

Repeat course for credit? Yes

ORTHODONT 454 Emerging Orthodontic Products and Technologies (1 Units)

Instructor(s): Christine Hong

Prerequisite(s): None

Restrictions: Enrollment in the postgraduate orthodontic program

This course is designed to introduce the student to new orthodontic products and emerging technologies that will be important in staying on the cutting edge in the orthodontic profession. Various techniques to evaluate the usefulness and effectiveness of new products will also be discussed.

School: Dentistry

Department: Orofacial Sciences

May the student choose the instructor for this course? No

Does enrollment in this course require instructor approval? No

Graduate Division course: No

Is this a web-based online course? Yes

Is this an Interprofessional Education (IPE) course? No

May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course? No

Repeat course for credit? No

ORTHODONT 455 Orthodontic Practice Management and Transitions (1 Units)

Instructor(s): David Johnson

Prerequisite(s): None.

Restrictions: Enrolled in 3rd year of postdoctoral orthodontic program.

This course intended to prepare the student to deal with the realities of managing an orthodontic practice. Thirty-six topics are discussed by the students and faculty. Several guest lecturers represent the different areas of practice administration. Multiple office visits are utilized to demonstrate actual practice situations in operation.

School: Dentistry

Department: Orofacial Sciences

May the student choose the instructor for this course? No

Does enrollment in this course require instructor approval? No

Graduate Division course: No

Is this a web-based online course? Yes

Is this an Interprofessional Education (IPE) course? No

May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course? No

Repeat course for credit? No

ORTHODONT 456 Mixed Dentition Diagnosis and Treatment Planning (1 Units)

Instructor(s): Kelly Giannetti

Prerequisite(s): None

Restrictions: Have to be enrolled in postgraduate orthodontic program

This course is designed to teach the fundamentals of diagnosis and treatment planning of basic to difficult comprehensive mixed dentition or early orthodontic treatment cases. Fixed and removable orthodontic appliances will be taught and demonstrated. Lectures will be combined with case presentations by faculty and residents.

School: Dentistry

Department: Orofacial Sciences

May the student choose the instructor for this course? No

Does enrollment in this course require instructor approval? No

Graduate Division course: No

Is this a web-based online course? No

Is this an Interprofessional Education (IPE) course? No

May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course? No

Repeat course for credit? No

ORTHODONT 457 Orthodontics and Orthognathic Surgery (1.5 Units)

Instructor(s): Mona Bajestan

Prerequisite(s): None

Restrictions: Enrollment in postgraduate program in School of Dentistry.

In this didactic course, Orthodontic students and oral surgery residents learn to outline and evaluate alternative treatment possibilities for patients with facial and occlusal deformities that may require combined therapy. Review and presentation of the literature and of the records of previously treated patients is included. Expectations shift as students/residents advance.

School: Dentistry

Department: Orofacial Sciences

May the student choose the instructor for this course? No

Does enrollment in this course require instructor approval? No

Graduate Division course: No

Is this a web-based online course? Yes

Is this an Interprofessional Education (IPE) course? No

May students in the Graduate Division (i.e. pursuing Master or PhD)

enroll in this course? No

Repeat course for credit? Yes

ORTHODONT 458 Orthodontics and Prosthodontics (0.5 Units)

Instructor(s): Arun Sharma

Prerequisite(s): None

Restrictions: Enrollment in postgraduate program in School of Dentistry.

In this interdisciplinary seminar, residents present patient cases that involve two or more dental specialties. All residents participate in discussing cases and developing step-wise interdisciplinary treatment plans.

School: Dentistry

Department: Orofacial Sciences

May the student choose the instructor for this course? No

Does enrollment in this course require instructor approval? No

Graduate Division course: No

Is this a web-based online course? Yes

Is this an Interprofessional Education (IPE) course? No

May students in the Graduate Division (i.e. pursuing Master or PhD)

enroll in this course? Yes

Repeat course for credit? Yes

ORTHODONT 459 Orthodontic and Periodontic Treatment (0.5 Units)

Instructor(s): Christine Hong

Prerequisite(s): Enrollment in postgraduate orthodontics

Restrictions: None

The interaction of orthodontics and periodontics will be discussed describing fundamental periodontal issues related to orthodontics and how the field of periodontics can interact with orthodontics.

School: Dentistry

Department: Orofacial Sciences

May the student choose the instructor for this course? No

Does enrollment in this course require instructor approval? No

Graduate Division course: No

Is this a web-based online course? Yes

Is this an Interprofessional Education (IPE) course? No

May students in the Graduate Division (i.e. pursuing Master or PhD)

enroll in this course? No

Repeat course for credit? Yes

ORTHODONT 460 TMD and Orofacial Pain for Orthodontists (1 Units)

Instructor(s): Jennifer Buchanan

Prerequisite(s): Enrolled in the postgraduate orthodontic program

Restrictions: none

This course provides introduction to the types and etiology of temporomandibular disorders as well as how to screen and evaluate orthodontic patients for TMD.

School: Dentistry

Department: Orofacial Sciences

May the student choose the instructor for this course? No

Does enrollment in this course require instructor approval? No

Graduate Division course: No

Is this a web-based online course? No

Is this an Interprofessional Education (IPE) course? No

May students in the Graduate Division (i.e. pursuing Master or PhD)

enroll in this course? No

Repeat course for credit? No

ORTHODONT 461 Orthodontic Research 1 (1 Units)*Instructor(s):* Christine Hong*Prerequisite(s):* Post graduate orthodontic first year student*Restrictions:* Registered in the post graduate orthodontic program

An introduction to the logic and methodology of clinical craniofacial research is presented and discussed with illustrations from the literature and from current research activities within the Orthodontic Division.

School: Dentistry**Department:** Orofacial Sciences**May the student choose the instructor for this course?** No**Does enrollment in this course require instructor approval?** No**Graduate Division course:** No**Is this a web-based online course?** No**Is this an Interprofessional Education (IPE) course?** No**May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course?** No**Repeat course for credit?** No**ORTHODONT 462 Orthodontic Clinics (10 Units)***Instructor(s):* Christine Hong*Prerequisite(s):* Enrollment in the first, second or third year postdoctoral Orthodontic Program*Restrictions:* None

Diagnosis, treatment, and evaluation of clinical postdoctoral orthodontic problems as experienced in modern orthodontic practice. Students will treat patients with a broad spectrum of orthodontic problems. Students will work with other specialists in the management of orthodontic problems.

School: Dentistry**Department:** Orofacial Sciences**May the student choose the instructor for this course?** No**Does enrollment in this course require instructor approval?** No**Graduate Division course:** No**Is this a web-based online course?** No**Is this an Interprofessional Education (IPE) course?** No**May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course?** No**Repeat course for credit?** No**ORTHODONT 463 American Board Orthodontics Written Exam Literature Review (1 Units)***Instructor(s):* Mona Bajestan*Prerequisite(s):* None.*Restrictions:* Enrolled in 2nd or 3rd year of postgraduate orthodontic program or consent of instructor.

This course provides a comprehensive review of the literature in preparation for the American Board of Orthodontics (ABO) Part II examination. Students study the literature, participate in class discussions, and take ABO-style examinations at the end of each session.

School: Dentistry**Department:** Orofacial Sciences**May the student choose the instructor for this course?** No**Does enrollment in this course require instructor approval?** No**Graduate Division course:** No**Is this a web-based online course?** No**Is this an Interprofessional Education (IPE) course?** No**May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course?** Yes**Repeat course for credit?** No**ORTHODONT 464 American Board of Orthodontics PH III Clinical Exam Review (1 Units)***Instructor(s):* Mona Bajestan*Prerequisite(s):* None*Restrictions:* Enrollment in the Postgraduate Orthodontic Program

This course will be a comprehensive discussion of and teach the steps in completing the Phase III clinical exam for the American Board of Orthodontics certification. The course will include how to score the initial discrepancy index, how to score the final cast and radiographic evaluation, techniques for completing the case report, and how to prepare for the oral portion of the board exam, or BCOE.

School: Dentistry**Department:** Orofacial Sciences**May the student choose the instructor for this course?** No**Does enrollment in this course require instructor approval?** No**Graduate Division course:** No**Is this a web-based online course?** No**Is this an Interprofessional Education (IPE) course?** No**May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course?** No**Repeat course for credit?** No

ORTHODONT 465 Surgical Orthodontics (1 Units)

Instructor(s): Mona Bajestan

Prerequisite(s): N/A

Restrictions: Postgraduate students

The course will review surgical and orthodontics principles for diagnosis, treatment and management of orthognathic surgery cases. Surgical component will describe the surgical principles guiding osteotomy design, level, and timing and the orthodontic component will delineate the basic principles underlying orthodontic treatment of orthognathic surgery cases. Instruction is primarily focused on students gaining knowledge of surgical/orthodontic principles and their application to clinical care\n

School: Dentistry

Department: Orofacial Sciences

May the student choose the instructor for this course? No

Does enrollment in this course require instructor approval? No

Graduate Division course: No

Is this a web-based online course? No

Is this an Interprofessional Education (IPE) course? No

May students in the Graduate Division (i.e. pursuing Master or PhD)

enroll in this course? No

Repeat course for credit? No