ORTHODONTICS (ORDN)

Courses

ORDN 524. Introduction to Graduate Orthodontics. 12 Units.
Lecture course outlining the principles of applied design, the application of forces to produce tooth movement, and the tissue response to such forces. Overview of orthodontics to prepare the student for clinical practice of orthodontics diagnosis and treatment planning, including cephalometrics, growth forecasting, and preparation of visual treatment objectives.

ORDN 524L. Introduction to Graduate Orthodontics Laboratory. 6 Units.
Selected laboratory projects to enhance the didactic portion of the course.

ORDN 525. Materials Science and Mechanics. 2 Units.

ORDN 526. Applied Anatomy. 2 Units.
Fundamentals of anatomy as applied to a special region or application.

ORDN 527. Clinical Photography. 1 Unit.
Clinical proficiency in intraoral and extraoral photography. Discusses and uses photographic equipment and techniques on orthodontic patients. Camera, lens, and flash required.

ORDN 528. New Orthodontic Research. 1-3 Units.
Student identifies a research project, prepares a proposal, and obtains approval for the protocol.

ORDN 529. Practice Teaching in Orthodontics. 1-4 Units.
Students gain experience in teaching clinical orthodontics to predoctoral dental students. Repeated registrations to fulfill the total units required.

ORDN 530. Advanced Cephalometrics. 2 Units.
Studies cephalometrics from a historical perspective to the present time, including most of the major analyses.

ORDN 531. Advanced Orthodontics. 1-3 Units.
Principles of growth and development from the subcellular to the tissue level. Emphasizes myogenesis and osteogenesis. Prenatal and postnatal development of the face and jaws, including the classic concepts of facial growth. Considers general growth, with the goal of developing ability to recognize abnormal signs, observe variations, diagnose pathological conditions, know the normal, predict height, and use various standards to assess growth and development.

ORDN 532. Diagnosing and Treating Malocclusion. 2 Units.
Principles and practice of orthodontics. Includes basic and advanced concepts of orthodontics with an emphasis on clinical application.

ORDN 533. The Temporomandibular Joint. 2 Units.
The temporomandibular joint and dysfunction in health and disease. Diagnosis, treatment planning, and treatment of the temporomandibular joint, emphasizing the integration of orthodontics and temporomandibular joint treatment.

ORDN 534. Orthodontics Clinical Conference. 2 Units.
Second-year seminar. Design of clinical diagnosis and practice management. Repeated registrations to fulfill the total units required.

ORDN 535. Advanced Seminar in Orthodontics. 2 Units.
A second-year seminar. Design of clinical diagnosis and practice management. Repeated registrations to fulfill the total units required.

ORDN 536. Orthodontics Clinical Conference. 2 Units.
Second-year seminar. Design of clinical diagnosis and practice management. Repeated registrations to fulfill the total units required.

ORDN 537. Orthodontics Clinical Conference. 2 Units.
Second-year seminar. Design of clinical diagnosis and practice management. Repeated registrations to fulfill the total units required.

ORDN 538. Orthodontics Clinical Conference. 2 Units.
Second-year seminar. Design of clinical diagnosis and practice management. Repeated registrations to fulfill the total units required.

ORDN 539. Orthodontics Clinical Conference. 2 Units.
Second-year seminar. Design of clinical diagnosis and practice management. Repeated registrations to fulfill the total units required.

ORDN 540. Orthodontics Clinical Conference. 2 Units.
Second-year seminar. Design of clinical diagnosis and practice management. Repeated registrations to fulfill the total units required.

ORDN 541. Orthodontics Clinical Conference. 2 Units.
Second-year seminar. Design of clinical diagnosis and practice management. Repeated registrations to fulfill the total units required.

ORDN 542. Orthodontics Clinical Conference. 2 Units.
Second-year seminar. Design of clinical diagnosis and practice management. Repeated registrations to fulfill the total units required.

ORDN 543. Orthodontics Clinical Conference. 2 Units.
Second-year seminar. Design of clinical diagnosis and practice management. Repeated registrations to fulfill the total units required.

ORDN 544. Orthodontics Clinical Conference. 2 Units.
Second-year seminar. Design of clinical diagnosis and practice management. Repeated registrations to fulfill the total units required.

ORDN 545. Growth and Development. 3 Units.
Principles of growth and development from the subcellular to the tissue level. Emphasizes myogenesis and osteogenesis. Prenatal and postnatal development of the face and jaws, including the classic concepts of facial growth. Considers general growth, with the goal of developing ability to recognize abnormal signs, observe variations, diagnose pathological conditions, know the normal, predict height, and use various standards to assess growth and development.

ORDN 546. Fundamentals of Occlusion. 2 Units.
The development of the human face and dentition. A concept of dynamic functioning occlusion.

ORDN 571. Diagnosis and Treatment Planning I. 2 Units.
Student diagnoses and treats assigned patients.

ORDN 574. Diagnosis and Treatment Planning II. 2 Units.
Continues ORDN 571, with follow-up of clinical cases with progress records.

ORDN 584. Current Orthodontics Literature I. 2 Units.
Presents current papers in various subspecialties of orthodontics.

ORDN 591. Current Orthodontics Literature II. 2 Units.
Presents current papers in various subspecialties of orthodontics.

ORDN 597. Orthognathic Surgery Theory and Literature Review. 2 Units.
Presents current papers in various subspecialties of orthodontics, with primary emphasis on surgical orthodontics. Presents cases with various problems requiring surgery.
ORDN 811. Principles of Orthodontics II. 1 Unit.

ORDN 875. Orthodontics Clinic. 1 Unit.
Clinical application of skills that have been learned in the laboratory to manage minor tooth movement and early treatment cases.