

Orthodontics

Head

- Lina M. Moreno Uribe

Professional certificate: orthodontics

Graduate degree: MS in orthodontics

Faculty: <https://dentistry.uiowa.edu/directory>

Website: <https://dentistry.uiowa.edu/departments/orthodontics>

Courses

Orthodontics Courses

ORDN:5200 Temporomandibular Joints and Advanced Topics in Orthodontics 0-1 s.h.

ORDN:5201 Orthodontic Theory: Diagnosis and Treatment Plan 0,2 s.h.

Diagnosis, treatment planning implementation.

ORDN:5202 Advanced Case Analysis 0,2 s.h.

Literature concerning orthodontic diagnosis; treatment of particular problems; case histories of patients treated in graduate clinic.

ORDN:5203 Principles of Biomechanics 0-3 s.h.

Skills for treatment of disfiguring malocclusions; use of edgewise biomechanical therapy; laboratory focus on typodont exercises.

ORDN:5204 Applied Biomechanics 0-3 s.h.

ORDN:5205 Facial Growth 0-2 s.h.

Theories, processes; use of accepted facial growth concepts in treatment of individuals with malocclusions during active growth period.

ORDN:5209 Orthodontic Practicum 0-3 s.h.

Clinical practice.

ORDN:5210 Orthodontic Seminar 0-3 s.h.

Evaluation, discussion, criticism, defense of diagnostic and treatment approaches to orthodontic cases that need, are undergoing, or have completed orthodontic treatment.

ORDN:5211 Clinical Skills and Laboratory Techniques 1 s.h.

A survey of current technology and techniques for the application of tooth moving appliances to patient care.

ORDN:5212 Pediatric Orthodontic Treatment Theory 1 s.h.

Provides didactic knowledge of early-phase orthodontic treatment indications and educates on orthodontic treatment modalities.

ORDN:5217 Cephalometrics and Lab Skills 0-3 s.h.

Use of skull X-ray (lateral and/or postero-anterior) in formulating orthodontic diagnosis, treatment plans for malocclusions; cephalometrics as a tool for craniofacial structure research.

ORDN:5220 Craniofacial Diagnosis, Treatment, and General Topics in Orthodontics 0-3 s.h.

Literature on anatomy, phylogeny, ontogenesis, physiology of craniofacial structures.

ORDN:5221 Surgical Orthodontic Seminar 0-1 s.h.

Evaluation, discussion, criticism, defense of diagnostic and treatment approaches to orthodontic cases that need, are undergoing, or have completed surgical-orthodontic treatment.

ORDN:5400 Craniofacial Practicum 0,2 s.h.

ORDN:6211 Problems: Orthodontics 0-3 s.h.

ORDN:6212 Research: Orthodontics 0-3 s.h.

ORDN:6215 Orthodontic Journal Club 0-3 s.h.

Current biological, technical publications.

ORDN:8215 Growth and Development 1 s.h.

Normal human growth and development; emphasis on craniofacial region.

ORDN:8235 Orthodontic Laboratory 1 s.h.

Application of the terminology, methodology, and principles of orthodontic diagnosis using case-based studies. Corequisites: ORDN:8236.

ORDN:8236 Orthodontic Treatment 1 s.h.

Terminology, methodology, and principles used in orthodontic diagnosis. Corequisites: ORDN:8235.