

# Orthodontics (ORTD)

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**ORTD 513. Craniofacial Growth and Development. 4 hours.**

Physiology of the stomatognathic system, behavioral development, implications of craniofacial growth and development, reactions of periodontal tissues to applied force and prevalence; causes of malocclusion. Course Information: Prerequisite(s): Matriculation into the Certificate Program in Orthodontics or M.S. in Oral Sciences program.

**ORTD 521. Methodologies in Craniofacial Research. 1 hour.**

Demonstration and discussion of the techniques and methods employed in the study of the structure, growth and function of the craniofacial region.

**ORTD 524. Craniofacial Anomalies I. 2 hours.**

Introduction to a variety of orofacial clefts, etiology, clinical presentation, growth and development and habilitation via an interdisciplinary team approach. Longitudinal analysis of cases with cleft lip and palate. Class Schedule Information: To be properly registered, students must enroll in one Laboratory-Discussion and one Lecture-Discussion.

**ORTD 525. Craniofacial Anomalies II. 1 hour.**

Introduction to treatment aspects of patients with orofacial clefts and to a variety of craniofacial anomalies, their etiology, clinical presentation, growth and development and habilitation through a team approach. Clinical rotations through the Center for Craniofacial Anomalies. Course Information: Prerequisite(s): ORTD 524. Class Schedule Information: To be properly registered, students must enroll in one Laboratory-Discussion and one Lecture-Discussion.

**ORTD 537. Biostatistics Applied to Craniofacial Research. 2 hours.**

Multivariate statistical techniques applied to craniofacial growth research. Course Information: Prerequisite(s): ORTD 523 and a basic univariate statistics course.

**ORTD 595. Seminar in Orthodontics. 1-2 hours.**

Presentations by selected guest lecturers on research or clinical material relating to matters of interest to the Department of Orthodontics. Course Information: Satisfactory/Unsatisfactory grading only. May be repeated to a maximum of 13 hours. Prerequisite(s): Enrollment in the orthodontics postgraduate or oral sciences graduate program.