

# PREVENTIVE DENTAL SCIENCE (PDSD)

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## **PDSD 7000 Neural Basis of Oropharyngeal Function 3 cr**

A program of problem-oriented seminars on the sensory and reflex mechanisms affecting the respiratory and alimentary functions of the mouth and pharynx, mandibular posture and movement and respective application to oropharyngeal dysfunction and orthodontic therapy. One seminar per week for one term.

## **PDSD 7020 The Mechanics of Orthodontic Therapy 6 cr**

The mathematics of three dimensional space, force and moment systems are given as the basis for considering the mechanics of orthodontic treatment. The mechanical properties of some orthodontic materials are studied as a background for appliance design. The quantitative aspects of tooth movement are discussed in terms of patient treatment planning. Seminar and laboratory sessions.

## **PDSD 7040 Clinical Craniofacial Growth and Development 3 cr**

A program of student-based seminars on the morphogenesis of craniofacial structures and their significance to clinical problems.

## **PDSD 7060 Cephalometric Analysis 3 cr**

A seminar program on the application of cephalometric radiography to craniofacial morphological research, orthodontic diagnosis and case analysis.

## **PDSD 7070 Biology of Orthodontics and Facial Orthopedics 3 cr**

A program of student-based seminars and lectures on the biological basis of orthodontic and facial orthopedic diagnosis and therapeutic technique.

## **PDSD 7101 Preventive Programs in Pediatric Dentistry 3 cr**

This course will be offered during the second year (term III). The prerequisite for this course will be the completion of the required courses in the first year of the program. In clinical terms this course will be taught with the following courses: Management and Restorative Treatment of Pediatric Patients II. Course is evaluated on a pass/fail basis.

## **PDSD 7102 Hospital Pediatric Dentistry I 6 cr**

This course will be offered during the first year (term I and II). The prerequisite for this course will be the dental degree obtained prior to applying to the program. In clinical terms this course will be taught with the following courses: Management and Restorative Treatment of Pediatric Patients I and Special Needs and Emergency care in Pediatric Patients. Course is evaluated on a pass/fail basis.

## **PDSD 7103 Hospital Pediatric Dentistry II 6 cr**

This course will be offered during the first year (term III and IV). The prerequisite for this course will be completion of the required courses in the first year of the program. In clinical terms this course will be taught with the following courses: Management and Restorative Treatment of Pediatric Patients II and Preventive Programs in Pediatric Dentistry. Course is evaluated on a pass/fail basis.

## **PDSD 7104 Management and Restorative Treatment of Pediatric Patients I 6 cr**

This course will be offered during the first year (term I and II). The prerequisite for this course will be the dental degree obtained prior to applying to the program. In clinical terms this course will be taught with the following courses: Hospital Pediatric Dentistry I and Preventive and Community Pediatric Dentistry. Course is evaluated on a pass/fail basis.

## **PDSD 7105 Management and Restorative Treatment of Pediatric Patients II 6 cr**

This course will be offered during the second year (term III and IV). The prerequisite for this course will be the completion of the required courses in the first year of the program. In clinical terms this course will be taught with the following courses: Hospital Pediatric Dentistry II and Preventive Programs in Pediatric Dentistry. Course is evaluated on a pass/fail basis.

## **PDSD 7106 Preventive and Community Pediatric Dentistry 3 cr**

This course will be offered during the first year (term I). The prerequisite for this course will be the dental degree obtained prior to applying to the program. In clinical terms this course will be taught with the following courses: Management and Restorative Treatment of Pediatric Patients I. Course is evaluated on a pass/fail basis.

## **PDSD 7107 Special Needs and Emergency Care in Pediatric Patients 3 cr**

This course will be offered during the first year (term I). The prerequisite for this course will be the dental degree obtained prior to applying to the program. In clinical terms this course will be taught with the following courses: Management and Restorative Treatment of Pediatric Patients I and Hospital Pediatric Dentistry I. Course is evaluated on a pass/fail basis.

## **PDSD 7108 Growth and Development - Management of the Developing Occlusion 3 cr**

A program of resident presentations and seminars on the biology of interceptive orthodontics and dentofacial orthopaedics and their significance to clinical pediatric dentistry.

## **PDSD 7110 Pharmacology and Toxicology in Pediatric Dentistry 3 cr**

Residents will be expected to obtain knowledge of pharmacology and toxicology of commonly used medications in clinical pediatric dentistry. A number of seminars will be conducted to obtain adequate knowledge and skills in this course.