

# Periodontics

## Interim Head

- Kim A. Brogden

**Professional certificate:** periodontics

**Faculty:** <https://www.dentistry.uiowa.edu/periodontics-faculty>

**Website:** <https://www.dentistry.uiowa.edu/periodontics>

The Department of Periodontics educates predoctoral students as well as professional students, who may elect to pursue graduate study along with their professional training. The department also provides interdisciplinary care for patients with complex treatment needs; generates new knowledge through its research programs; and provides professional service and leadership at all levels, local to worldwide.

## D.D.S. Student Training

The periodontal program acquaints Doctor of Dental Surgery students with the diagnosis and management of periodontal diseases. It combines didactic, laboratory, and clinical experience and applies the biological concepts of periodontology to the comprehensive clinical management of patients.

### Programs

## Professional Program of Study

### Certificate

- Certificate in Periodontics

### Facilities

The department has 22 modern, well-equipped operatories devoted exclusively to periodontics.

Research facilities include laboratories in histology, microscopy, biomaterials, quantitation, tissue culture, molecular biology and biochemistry, and microbiology. Other facilities are available by arrangement with University of Iowa Hospitals and Clinics, Eckstein Medical Research Building, and Medical Laboratories.

### Courses

## Periodontics Courses

**PERI:5212 Applied Oral Microbiology** 0-3 s.h.

Role of microbial factors and host response in pathogenesis of periodontal diseases; interactions between periodontal diseases and systemic diseases/conditions.

**PERI:5220 Periodontics Classic Literature Review** arr.

Foundation of core concepts pertaining to the field of periodontology; includes review and critical analysis of landmark studies that have shaped the development of contemporary concepts in diagnosis and management of periodontal conditions and diseases and implant dentistry in a multidisciplinary context.

**PERI:5225 Periodontology Literature Review I: Mucogingival Therapy** 0-3 s.h.

Analysis of literature relating to a range of mucogingival conditions affecting the periodontium, different procedures to address/correct them, and expected outcome from each.

**PERI:5226 Periodontology Literature Review: Regenerative Therapy** 0-3 s.h.

Critical evaluation of rationale, indications, and results of various regeneration procedures and materials used in periodontics.

**PERI:5227 Periodontology Literature Review: Longitudinal Studies** 0-3 s.h.

Effects and effectiveness of mechanical periodontal therapy.

**PERI:5228 Periodontology Literature Review: Occlusion** 0-3 s.h.

Role of occlusal trauma in periodontal diseases; occlusion, mandibular movements, and occlusal adjustment; diagnosis and management of temporomandibular disorders; occlusion related to implants.

**PERI:5229 Periodontology Literature Review: Implants** 0-3 s.h.

Critical review, in-depth analysis, and discussion of classical and current implant literature involving basic and clinical science of surgical and some prosthodontic implantology.

**PERI:5230 Periodontic Literature Review: Resective** 0-1 s.h.

Introduction to language and concepts for resective procedures used in patient treatment.

**PERI:5700 Advanced Periodontology** 0-1 s.h.

**PERI:5710 Case Management Seminar** 0,2 s.h.

Case management seminar in periodontics.

**PERI:5720 Current Topics** 0-1 s.h.

Current topics in periodontics.

**PERI:5740 Periodontal Implant Provisionalization** 0-1 s.h.

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**PERI:5750 Advanced Clinical Periodontics** 0,2 s.h.

**PERI:7208 Recent Advances in Periodontics** 0-3 s.h.

Review of current literature.

**PERI:7700 Practice Management** 0-1 s.h.

Practice management in periodontics.

**PERI:7701 Practice Teaching in Periodontics** 0-2 s.h.

**PERI:8120 Periodontic Methods I** 2 s.h.

Normal periodontium, periodontal diseases, diagnosis etiology, epidemiology of periodontal diseases.

**PERI:8230 Periodontic Methods II** 1 s.h.

Periodontal treatment planning, prognosis, initial phase of periodontal therapy, treatment of acute periodontal problems, overview of surgical procedures.

**PERI:8360 Periodontics Clinic** arr.

Comprehensive clinical management of periodontal patients.

**PERI:8365 Periodontology Seminar** 1-2 s.h.

Comprehensive concepts of periodontology, clinical management of patients.