

# Endodontics

## Chair

- Leonardo Marchini

## Director, Graduate Program

- Manuel Gomez

**Professional certificate:** endodontics

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

**Website:** <https://dentistry.uiowa.edu/departments/endodontics>

The Department of Endodontics provides education and training to predoctoral students and to professional students who may work toward a graduate degree along with their professional training. Some students participate with departmental faculty in research that contributes to the knowledge base of the specialty. Faculty members and advanced students in the department also provide care to patients at the College of Dentistry.

## DDS Student Training

Coursework and clinical experiences in endodontics are vital in the overall education of Doctor of Dental Surgery students. Preclinical endodontics, conducted during the sophomore year, includes a didactic and a laboratory component. In clinical endodontics, taught during the junior year, students study both normal and pathological conditions of the dental pulp and periapex. Diagnosing pulpal and periradicular disease and various specialized aspects of endodontic treatment are emphasized. Students treat endodontic patients under the direct supervision of faculty and staff.

## Programs

## Professional Program of Study Certificate

- Certificate in Endodontics

## Facilities

The Department of Endodontics is located in the west section (third floor) of the Dental Science Building (DSB). The clinic is adjacent to the west entrance and well-equipped with the latest technology in endodontics and the disciplines involved.

## Courses

## Endodontics Courses

- ENDO:5201 Update in Endodontics** 0-1 s.h.  
Recommended for second year certificate students.
- ENDO:5225 Endodontic Literature Review I** 0,2 s.h.  
Current and historical research.
- ENDO:5226 Endodontic Literature Review II** 0,2 s.h.  
Continuation of ENDO:5225.
- ENDO:5260 Current Literature in Endodontics** 0-1 s.h.  
Current literature relevant to endodontics, including diagnosis or treatment of endodontic cases; dental journals with endodontic-related content; landmark research.

**ENDO:5700 Endodontic Surgery Conference** 0,2 s.h.  
Attendance at Endodontic Surgery Conference.

**ENDO:5701 Advanced Clinical Endodontics** 0,3 s.h.  
Advanced study.

**ENDO:5710 Research in Endodontics** arr.

**ENDO:5720 Seminar in Endodontics I** 0,2 s.h.  
First in a series of lectures in endodontics.

**ENDO:5721 Seminar in Endodontics II** 0,2 s.h.  
Continuation of ENDO:5720.

**ENDO:6227 Endodontic Literature Review III** 0,2 s.h.  
Continuation of ENDO:5226.

**ENDO:6228 Endodontic Literature Review IV** 0,2 s.h.  
Continuation of ENDO:6227.

**ENDO:6701 Seminar in Endodontics III** 0,2 s.h.  
Continuation of ENDO:5721.

**ENDO:6702 Seminar in Endodontics IV** 0,2 s.h.  
Continuation of ENDO:6701.

**ENDO:8240 Preclinical Endodontics Lecture** 1 s.h.  
Examination of coronal and radicular dental anatomy, diagnosis of pulpal and periapical disease, and clinical protocols in endodontics; includes endodontic microbiology, endodontic procedural errors, and endodontic prognosis; also includes restoration of endodontically treated teeth. Prerequisites: MICR:8230 and OPER:8240 and OPRM:8245.

**ENDO:8241 Preclinical Endodontics Laboratory** 1 s.h.  
Completion of clinical protocols in endodontics; includes access, straight-line access, working length determination, cleaning and shaping, and obturation; also includes rubber dam isolation, intracanal medicaments, and provisional restorations. Prerequisites: MICR:8230 and OPER:8240 and OPRM:8245.

**ENDO:8370 Clinical Endodontics** 4 s.h.  
Completion of diagnosis, treatment planning, and treatment of pulpal and periapical disease; includes management of endodontic emergencies, local anesthesia, and radiology related to endodontics; also includes review and management of dental traumatic injuries.