ENDODONTICS, MSD

Degree: Master of Science in Dentistry (MSD)
Field of Study: Endodontics

Program Overview
The graduate endodontics program is a continuous 24-month Master of Science in Dentistry and certificate program commencing the beginning of July each year. It has two full-time faculty (one full-time director) and 5 part-time clinical faculty members. The program is concerned with developing competent, skilled clinicians with teaching and research competence.

To achieve these objectives, the program provides an extensive background in both scientific and clinical knowledge. The curriculum is designed to fulfill the requirements of the American Board of Endodontics and promote Diplomates.

The program prepares specialists in the fields of diagnosis, all phases of treatment, and prevention of pulpal and periapical dental disease. It provides training in research design and methodology as it relates to pulpal, dentinal, periodontal, and related clinical areas, preparing the resident for teaching responsibilities in undergraduate, postgraduate, and graduate levels.

A top of the line surgical microscope is required by the program for teaching a variety of microscopic surgery techniques.

The curriculum includes bone grafting, guided tissue regeneration, and IV sedation.

The presentation of multiple table clinics is required.

Admission
Information about admission to the Endodontic program can be found on the School of Dental Medicine website.

Program Requirements
The residency program fulfills all standards described by the Commission on Dental Accreditation (CODA) for specialty training in Endodontics.

Sample Plan of Study

<table>
<thead>
<tr>
<th>First Year</th>
<th>Fall</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>DENT 513</td>
<td>Anatomy of the Head and Neck</td>
<td>0-3</td>
</tr>
<tr>
<td>DENT 698</td>
<td>Multidisciplinary Seminar</td>
<td>0-5</td>
</tr>
<tr>
<td>DENT 510</td>
<td>Epidemiology and Biostatistics</td>
<td>0-3</td>
</tr>
<tr>
<td>DENT 518</td>
<td>Behavioral Considerations in Oral Health Care</td>
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<tr>
<td>DENT 555</td>
<td>Management of Medical Emergencies</td>
<td>0-1</td>
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<tr>
<td>DENT 512</td>
<td>Advanced Oral Pathology</td>
<td>0-3</td>
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<tr>
<td>DNDO 529</td>
<td>Endodontology</td>
<td>3</td>
</tr>
<tr>
<td>DNDO 539</td>
<td>Endodontic Literature Review</td>
<td>3</td>
</tr>
<tr>
<td>DNDO 551</td>
<td>Clinical Endodontic Specialty</td>
<td>3</td>
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<tr>
<td><strong>Total Hours</strong></td>
<td>9-20.5</td>
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<table>
<thead>
<tr>
<th>Spring</th>
<th>Biological Aspects of the Stomatological System</th>
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<tbody>
<tr>
<td>DENT 502</td>
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<tr>
<td>DENT 516</td>
<td>Microbiology, Immunology, and Immune Systems</td>
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<td>DENT 550</td>
<td>Clinical Pharmacology</td>
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<tr>
<td>DENT 514</td>
<td>Research Methods: Preparation</td>
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<td>DNDO 529</td>
<td>Endodontology</td>
<td>3</td>
</tr>
<tr>
<td>DNDO 539</td>
<td>Endodontic Literature Review</td>
<td>3</td>
</tr>
<tr>
<td>DENT 509</td>
<td>Clinical Endodontic Specialty</td>
<td>3</td>
</tr>
<tr>
<td>DNDO 651</td>
<td>Sedation in Endodontic Practice</td>
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<tr>
<td><strong>Hours</strong></td>
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<tr>
<th>Second Year</th>
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<tr>
<td>DENT 651</td>
<td>Thesis M.S.D.</td>
<td>1-9</td>
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<tr>
<td>DNDO 529</td>
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<td>DNDO 539</td>
<td>Endodontic Literature Review</td>
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<tr>
<td>DNDO 551</td>
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<tr>
<td><strong>Hours</strong></td>
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<td><strong>Hours</strong></td>
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| Total Hours | 39-82 |