Prosthodontics

Head

- Julie A. Holloway

Professional certificate: prosthodontics
Faculty: https://www.dentistry.uiowa.edu/prosthodontics-faculty
Website: https://www.dentistry.uiowa.edu/prosthodontics

Prosthodontics is the dentistry specialty involving restoring or replacing teeth using crowns, fixed partial dentures (bridges), removable partial dentures, complete dentures, maxillofacial prostheses, and dental implants.

D.D.S. Student Training

The Department of Prosthodontics instructs Doctor of Dental Surgery students in the basic principles, practices, and concepts of prosthodontics required for the practice of general dentistry. Students learn through laboratory projects and treatment of patients with differing prosthodontic needs.

Programs

Professional Program of Study

Certificate

- Certificate in Prosthodontics

Facilities

Most didactic, clinical, and laboratory instruction and patient treatment takes place in the Department of Prosthodontics, which is located in the Dental Science Building. The building also houses the Doctor of Dental Surgery (D.D.S.) program, training programs in specialties recognized by the American Dental Association, and the Iowa Institute for Oral Health Research.

The college and the department provide supporting technologies that include cone beam CT radiography, implant imaging software, laboratory CAD/CAM (computer-aided design and computer-aided manufacturing) systems, and dental lasers.

Advanced prosthodontic students spend time at University of Iowa Hospitals & Clinics, where they work closely with medical professionals in other disciplines to treat medically compromised prosthodontic patients and those who require maxillofacial rehabilitation.

Courses

Prosthodontics Courses

- PROS:5700 Advanced Clinical Prosthodontics 0-1 s.h.
- PROS:5710 Advanced Removable Prosthodontic Technique 0-2 s.h.
- PROS:5720 Advanced Instrument Technique 0-2 s.h.
- PROS:5730 Advanced Implant Techniques 0-2 s.h.
- PROS:5740 Advanced Fixed Prosthodontics Technique 0-2 s.h.
- PROS:5750 Clinical Issues and Treatment Planning in Prosthodontics 0-1 s.h.
- PROS:6220 Fixed Prosthodontics Literature Review I 0-4 s.h.
- PROS:6221 Fixed Prosthodontics Literature Review II 0-4 s.h.
- PROS:6222 Implant Literature Review 0-4 s.h.
- PROS:6223 Occlusion Seminar 0-4 s.h.
- PROS:6224 Graduate Restorative Materials 0,2 s.h.
- PROS:6225 Complete Denture Literature Review 0-4 s.h.
- PROS:6226 RPD Literature Review 0-4 s.h.
- PROS:6700 Maxillofacial Prosthodontics Seminar 0-1 s.h.
- PROS:6710 Dental Implant Surgery for Prosthodontic Residents arr.
- PROS:7700 Maxillofacial Prosthodontics Rotation 0-1 s.h.
- PROS:8120 Treatment of Dentulous Patients: Introduction to Occlusion Lecture 1 s.h.
- PROS:8121 Treatment of Dentulous Patients: Introduction to Occlusion Lab 1 s.h.

(Continued)
## Course Descriptions

### Prosthodontics

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
<th>Prerequisites</th>
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<tbody>
<tr>
<td>PROS:8240</td>
<td>Treatment of Partially Edentulous Patients: Fixed Multi-Unit Prosthodontics Lecture</td>
<td>1 s.h.</td>
<td>Basic biomechanical principles of fixed prosthodontics for multiple-unit fixed prostheses; diagnosis and treatment planning for partially edentulous patient, including occlusion and esthetic concerns.</td>
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<tr>
<td>PROS:8244</td>
<td>Treatment of Partially Edentulous Patients: Removable Partial Prosthodontics Lecture</td>
<td>1 s.h.</td>
<td>Basic biomechanical principles of tooth replacement with removable partial prosthodontics; diagnosis and treatment planning for partially edentulous patients. Prerequisites: PROS:8240 and PROS:8241 and PROS:8242 and PROS:8243.</td>
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<tr>
<td>PROS:8245</td>
<td>Treatment of Partially Edentulous Patients: Removable Partial Prosthodontics Patient Simulation</td>
<td>1 s.h.</td>
<td>Laboratory exercises in basic principles, clinical steps, and laboratory procedures necessary for fabrication of removable partial dentures. Prerequisites: PROS:8240 and PROS:8241 and PROS:8242 and PROS:8243.</td>
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<tr>
<td>PROS:8247</td>
<td>Treatment of Edentulous Patients: Removable Complete Prosthodontics Patient Simulation</td>
<td>1 s.h.</td>
<td>Laboratory exercises in basic principles, clinical steps, and laboratory procedures necessary for fabrication of complete dentures, including implant over-dentures. Prerequisites: PROS:8240 and PROS:8241 and PROS:8242 and PROS:8243 and PROS:8244 and PROS:8245.</td>
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<tr>
<td>PROS:8360</td>
<td>Prosthodontic Clinic</td>
<td>arr.</td>
<td>Experience supplemented by individual supervision, demonstration.</td>
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<tr>
<td>PROS:8365</td>
<td>Prosthodontic Seminar I</td>
<td>1 s.h.</td>
<td>Application of knowledge in biological, basic sciences, and technique to clinical fixed and removable prosthodontics procedures.</td>
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