

**University of Colorado Anschutz Medical Campus  
School of Dental Medicine  
2018-2019 Course Book**

**POSTGRADUATE PERIODONTICS CERTIFICAT/MASTER PROGRAM  
(The Postgraduate Periodontics curriculum is subject to change without notice.)**

**First Year, Summer Semester**

**DPER 7100 Periodontics Specialty Clinic 1 5.8 cr.**

In this postdoctoral course, students receive experiences with all accepted methods of periodontal treatment, dental implantology, and periodontal plastic procedures.

**DPER 7101 Periodontal Current Literature 1 1.0 cr.**

In this postdoctoral seminar course, relevant readings in the periodontal literature relating to specific topics are assigned and critically discussed.

**DPER 7103 Periodontal Literature Review Seminar 1 0.5 cr.**

In this postdoctoral seminar course, relevant readings in the periodontal literature relating to specific topics are assigned and critically discussed.

**DPER 7111 Advanced Periodontal Concepts 1.1 cr.**

This postdoctoral course is an intense review of periodontal procedures, in which residents are also instructed in periodontal case documentation procedures, intra-oral photography, record keeping and clinical protocol.

**DPER 7113 Oral Medicine & Clinical Diagnosis 1.0 cr.**

In this postdoctoral course, students review a variety of oral diseases and accepted methods of treatment of those as well as systemic diseases manifested in the oral cavity.

**DPER 7114 Physical Diagnosis 1.3 cr.**

This course will emphasize the art and science of medical history and physical assessment of dental patients. Anatomy, physiology, techniques of examination and clinical relevance for various body systems will be discussed at length.

**DPER 7115 Interdisciplinary Course 1A 0.3 cr.**

Seminar includes residents from GPR and Graduate Periodontics and GPR, Periodontics, and Prosthodontics faculty to share clinically relevant multidisciplinary information. Patient diagnostic evaluations and treatment plans are evaluated in an interactive environment. Topics involving new advancements are presented and discussed.

**DPER 7211 Pain Control & Sedation/Comprehensive Management 2.0 cr.**

This is a postgraduate course for pain control and sedation, and evaluation of patients to determine appropriate modalities of pain and anxiety control.

**First Year, Fall Semester**

**DPER 7200 Periodontics Specialty Clinic 2 8.9 cr.**

In this postdoctoral course, students receive experiences with all accepted methods of periodontal treatment, dental implantology, and periodontal plastic procedures.

**DPER 7201 Periodontal Current Literature 1A 3.3 cr.**

This postdoctoral course encompasses a review of the latest dental and medical journals for the most recent information related to the art, science, and practice of periodontics. Students prepare abstracts to be discussed at scheduled seminars. *(Part 1 of two-semester course)*

**DPER 7203 Periodontal Literature Review Seminar 1A 3.3 cr.**

In this postdoctoral seminar course, relevant readings in the periodontal literature relating to specific topics are assigned and critically discussed.

**DPER 7204 Periodontal Case Presentations Seminar 1 1.3 cr.**

In this postdoctoral course, residents prepare and present a complete documentation database, diagnosis/prognosis, treatment plan, treatment procedures, and evaluation of treatment results in formal case presentations simulating the oral examination for the American Board of Periodontology. *(Part 1 of two-semester course)*

**DPER 7210 Advanced Periodontal Biology 2.0 cr.**

This postdoctoral course develops a fundamental understanding of the microscopic anatomy, cell biology and physiology of the periodontal tissues in health, during disease progression, and following periodontal therapy.

**DPER 7212 Postgraduate Dental Implantology Seminar 1 1.0 cr.**

In this initial lecture and seminar course, relevant readings in the dental literature relating to specific topics in dental implantology are assigned and critically discussed. A variety of cases are treatment planned by the residents.

**DPER 7215 Interdisciplinary Course 1B 2.8 cr.**

Seminar includes residents from GPR and Graduate Periodontics and GPR, periodontics, and prosthodontics faculty to share clinically relevant multidisciplinary information. Patient diagnostic evaluations and treatment plans are evaluated in an interactive environment. Topics involving new advancements are presented and discussed.

**DPER 7216 Pharmacology I 0.8 cr.**

Review General Principles: Current pharmacology for the medical management of pain, infection, & selected systemic diseases; & adverse drug events. Based on the 200 drugs dispensed by US community pharmacies for prevention, diagnosis, and treatment of disease, special reference/dent.

**DPER 7219 Dental and Medical Emergency Management 0.6 cr.**

This is a pragmatic course to familiarize the resident with dental and medical emergencies that may present during patient care. Major texts on medical emergency management and the medically compromised patient are used as a guideline.

**DPER 8120 Head & Neck Anatomy 3.0 cr.**

This postdoctoral course is an advanced study of head and neck anatomy as it relates to periodontal patient care

**DPER 5105 Research Methodology & Biostatistics 1 2.0 cr.**

This graduate course in dentistry is an in-depth study of scientific research methods, study design and organization, data gathering, and the biostatistical tools required to analyze the results of a study and carryout a scientific research project.

**First Year, Spring Semester**

**DPER 7300 Periodontics Specialty Clinic 3 7.8 cr.**

In this postdoctoral course, students receive experiences with all accepted methods of periodontal treatment, dental implantology, and periodontal plastic procedures.

**DPER 7301 Periodontal Current Literature Review Seminar 1B 2.0 cr.**

This postdoctoral course encompasses a review of the latest dental and medical journals for the most recent information related to the art, science, and practice of periodontics. Students prepare abstracts to be discussed at scheduled seminars. *(Part 2 of two-semester course)*

**DPER 7303 Periodontal Literature Review Seminar 1B 3.3 cr.**

In this postdoctoral seminar course, relevant readings in the periodontal literature relating to specific topics are assigned and critically discussed.

**DPER 7304 Periodontal Case Presentations Seminar 1A 1.8 cr.**

In this postdoctoral course, residents prepare and present a complete data base, diagnosis/prognosis, treatment plan, treatment procedures, and evaluation of treatment results in formal case presentations simulating the oral examination for the American Board of Periodontology. *(Part 2 of two-semester course)*

**DPER 7305 Periodontal Research 1 1.5 cr.**

Course requires student to select a research topic, define a research question, do a literature search on the topic, organize a research project, carry out the project, collect and analyze the results, and write a publishable manuscript on the project.

**DPER 7308 Ethics and Practice Management 1 0.6 cr.**

This course provides the periodontal resident with the information needed for successful personal financial and practice management. Curriculum will rotate over a three-year cycle to include personal financial management, human resources, accounting, legal, and dental practice management.

**DPER 7315 Interdisciplinary Course 1C 2.3 cr.**

Seminar includes residents from GPR and Graduate Periodontics and GPR, periodontics, and prosthodontics faculty to share clinically relevant multidisciplinary information. Patient diagnostic evaluations and treatment plans are evaluated in an interactive environment. Topics involving new advancements are presented and discussed.

**DPER 7316 Pharmacology II 0.8 cr.**

Review General Principles: Current pharmacology for the medical management of pain, infection, & selected systemic diseases; & adverse drug events. Based on the 200 drugs dispensed by US community pharmacies for prevention, diagnosis, and treatment of disease, special reference/dent.

**DPER 7317 Implant Provisionalization for the Perio Resident 1.3 cr.**

Seminar includes residents from GPR and Graduate Periodontics and GPR, periodontics, and prosthodontics faculty to share clinically relevant multidisciplinary information. Patient diagnostic evaluations and treatment plans are evaluated in an interactive environment. Topics involving new advancements are presented and discussed.

**DPER 8106 Anesthesiology 1.3 cr.**

This is a hospital based seminar and clinical course to familiarize the resident in patient evaluation, pharmacology, airway management, IV techniques, and general anesthesia procedures.

**DPER 5205 Research Methodology & Biostatistics 2 2.5 cr.**

This graduate course in dentistry is an advanced in-depth study of scientific research methods, study design and organization, data gathering, and the biostatistical tools required to analyze the results of a study. In addition, this course requires the student to prepare a research proposal.

**DPER 6209 Surgical Anatomy and Osteology 0.7 cr.**

Presentation of head and neck anatomy with emphasis on surgical anatomy related to procedures that a periodontist would perform. Comprehensive osteology is reviewed to prepare the orthodontic resident for board certification with also an emphasis on surgical procedures relevant to the orthodontist.

**Second Year, Summer Semester**

**DPER 8100 Periodontics Specialty Clinic 4 5.8 cr.**

In this postdoctoral course, students receive experiences with all accepted methods of periodontal treatment, dental implantology, and periodontal plastic procedures.

**DPER 8101 Periodontal Current Literature 2 1.0 cr.**

In this postdoctoral seminar course, relevant readings in the periodontal literature relating to specific topics are assigned and critically discussed.

**DPER 8102 Periodontal Literature Review Seminar 2 0.5 cr.**

In this postdoctoral seminar course, relevant readings in the periodontal literature relating to specific topics are assigned and critically discussed.

**DPER 8105 Periodontal Research 2 1.0 cr.**

Course requires student to select a research topic, define a research question, do a literature search on the topic, organize a research project, collect and analyze the results, and write a publishable manuscript on the project.

**DPER 8115 Interdisciplinary Course 2A 0.8 cr.**

Seminar includes residents from GPR and Graduate Periodontics and GPR, periodontics, and prosthodontics faculty to share clinically relevant multidisciplinary information. Patient diagnostic evaluations and treatment plans are evaluated in an interactive environment. Topics involving new advancements are presented and discussed.

**DPER 8116 Management of Orofacial Pain 1.4 cr.**

This course focuses on the structure, function, and pathofunction of the cranio-cervical region and stomatognathic system emphasizing different diagnosis and case-specific management utilizing evidenced-based decision making.

**DPER 8110 Advanced Radiology and Radiographic Interpretation 1.4 cr.**

This graduate course in dentistry in oral and maxillofacial radiology includes lectures and case studies in radiation physics, radiation biology, radiation hygiene and radiographic techniques. In addition, this course will provide information on advanced imaging modalities and interpretative skills.

**Second Year, Fall Semester**

**DPER 8200 Periodontics Specialty Clinic 5 10.9 cr.**

In this postdoctoral course, students receive experiences with all accepted methods of periodontal treatment, dental implantology, and periodontal plastic procedures.

**DPER 8201 Periodontal Current Literature 2A 3.3 cr.**

In this postdoctoral seminar course, relevant readings in the periodontal literature relating to specific topics are assigned and critically discussed.

**DPER 8203 Periodontal Literature Review Seminar 3 3.3 cr.**

In this postdoctoral seminar course, relevant readings in the periodontal literature relating to specific topics are assigned and critically discussed.

**DPER 8204 Periodontal Case Presentations Seminar 2A 1.3 cr.**

In this postdoctoral course, residents prepare and present a complete documentation database, diagnosis/prognosis, treatment plan, treatment procedures, and evaluation of treatment results in formal case presentations simulating the oral examination for the American Board of Periodontology. *(Part 1 of two-semester course)*

**DPER 8205 Periodontal Research 3 1.0 cr.**

Course requires student to select a research topic, define a research question, do a literature search on the topic, organize a research project, carry out the project, collect and analyze the results, and write a publishable manuscript on the project.

**DPER 8215 Interdisciplinary Course 2B 2.8 cr.**

Seminar includes residents from GPR and Graduate Periodontics and GPR periodontics and prosthodontics faculty to share clinically relevant multidisciplinary information. Patient diagnostic evaluations and treatment plans are evaluated in an interactive environment. Topics involving new advancements are presented and discussed.

**DPER 8216 Pharmacology III 0.8 cr.**

Review General Principles: Current pharmacology for the medical management of pain, infection, & selected systemic diseases; & adverse drug events. Based on top 200 drugs dispensed by US community pharmacies for prevention, diagnosis, and treatment of disease, reference/dent.

**DPER 8219 Dental and Medical Emergency Management 0.6 cr.**

This is a pragmatic course to familiarize the resident with dental and medical emergencies that may present during patient care. Major texts on medical emergency management and the medically compromised patient are used as a guideline.

**DPER 8222 Periodontic/Orthodontic Treatment 1.0 cr.**

This postdoctoral course is a study of the interdisciplinary care of the patient with periodontal and orthodontic needs and includes a review of the literature in conjunction with a periodontist and orthodontist.

**Second Year, Spring Semester**

**DPER 8300 Periodontics Specialty Clinic 6 7.0 cr.**

In this postdoctoral course, students receive experiences with all accepted methods of periodontal treatment, dental implantology, and periodontal plastic procedures.

**DPER 8301 Periodontal Current Literature 2B 2.0 cr.**

In this postdoctoral seminar course, relevant reading in the periodontal literature relating to specific topics are assigned and critically discussed.

**DPER 8303 Periodontal Literature Review Seminar 4 3.3 cr.**

In this postdoctoral seminar course, relevant readings in the periodontal literature relating to specific topics are assigned and critically discussed.

**DPER 8304 Periodontal Case Presentations Seminar 2A 1.8 cr.**

In this postdoctoral course, residents prepare and present a complete documentation database, diagnosis/prognosis, treatment plan, treatment procedures, and evaluation of treatment results in formal case presentations simulating the oral examination for the American Board of Periodontology.

**DPER 8305 Periodontal Research 4 1.5 cr.**

Course requires student to select a research topic, define a research question, do a literature search on the topic, organize a research project, carry out the project, collect and analyze the results, and write a publishable manuscript on the project.

**DPER 8308 Ethics and Practice Management 2 0.6 cr.**

This course provides the periodontal resident with the information needed for successful personal, financial, and practice management. Curriculum will rotate over a three-year cycle to include personal financial management, human resources, accounting, legal and dental practice management.

**DPER 8311 Advanced Immunology/Microbiology 1.5 cr.**

This postdoctoral course will review and update knowledge in the areas of microbiology and immunology relevant to homeostasis and pathology in the oral cavity.

**DPER 8315 Interdisciplinary Course 2C 2.3 cr.**

Seminar includes residents from GPR and Graduate Periodontics and GPR periodontics and prosthodontics faculty to share clinically relevant multidisciplinary information. Patient diagnostic evaluations and treatment plans are evaluated in an interactive environment. Topics involving new advancements are presented and discussed.

**DPER 8316 Pharmacology IV 0.8 cr.**

Review General Principles: Current pharmacology for the medical management of pain, infection, & selected systemic diseases; & adverse drug events. Based on top 200 drugs dispensed by US community pharmacies for prevention, diagnosis, and treatment of disease, reference/dent.

**DPER 8317 Advanced Oral & Maxillofacial Pathology for Perio 1.3 cr.**

This course is designed to prepare residents to recognize, analyze and appreciate primary/secondary disease conditions of the oral & paraoral regions. Reflects an emphasis on the understanding of basic and fundamental biologic aberrations and an integration of these concepts into a meaningful approach to diagnostic pathology.

### **Third Year, Summer Semester**

#### **DPER 9100 Periodontics Specialty Clinic 7 5.8 cr.**

In this postdoctoral course, students receive experiences with all accepted methods of periodontal treatment, dental implantology, and periodontal plastic procedures.

#### **DPER 9101 Periodontal Current Literature 3A 1.0 cr.**

In this postdoctoral seminar course, relevant reading in the periodontal literature relating to specific topics are assigned and critically discussed.

#### **DPER 9102 Periodontal Literature Review Seminar 5 0.5 cr.**

In this postdoctoral seminar course, relevant reading in the periodontal literature relating to specific topics are assigned and critically discussed.

#### **DPER 9105 Periodontal Research 5 0.5 cr.**

Course requires student to select a research topic, define a research question, do a literature search on the topic, organize a research project, carry out the project, collect and analyze the results, and write a publishable manuscript on the project.

#### **DPER 9015 Interdisciplinary Course 3A 0.8 cr.**

Seminar includes residents from GPR and Graduate Periodontics and GPR periodontics and prosthodontics faculty to share clinically relevant multidisciplinary information. Patient diagnostic evaluations and treatment plans are evaluated in an interactive environment. Topics involving new advancements are presented and discussed.

#### **DPER 9017 Scientific Writing and Evaluation 1.5 cr.**

This graduate course in dentistry is an in-depth study of scientific writing to prepare the student to evaluate the literature as well as to prepare a scientific manuscript for publication.

### **Third Year, Fall Semester**

#### **DPER 9200 Periodontics Specialty Clinic 8 8.7 cr.**

In this postdoctoral course, students receive experiences with all accepted methods of periodontal treatment, dental implantology, and periodontal plastic procedures.

#### **DPER 9201 Periodontal Current Literature 3B 3.3 cr.**

In this postdoctoral seminar course, relevant reading in the periodontal literature relating to specific topics are assigned and critically discussed.

#### **DPER 9203 Periodontal Literature Review Seminar 6 3.3 cr.**

In this postdoctoral seminar course, relevant readings in the periodontal literature relating to specific topics are assigned and critically discussed.

#### **DPER 9204 Periodontal Case Presentations Seminar 3A 1.3 cr.**

In this postdoctoral course, residents prepare and present a complete documentation database, diagnosis/prognosis, treatment plan, treatment procedures, and evaluation of treatment results in formal case presentations simulating the oral examination for the American Board of Periodontology.

#### **DPER 9205 Periodontal Research 6 1.0 cr.**

Course requires student to select a research topic, define a research question, do a literature search on the topic, organize a research project, carry out the project, collect and analyze the results, and write a publishable manuscript on the project.

#### **DPER 9215 Interdisciplinary Course 3B 2.8 cr.**

Seminar includes residents from GPR and Graduate Periodontics and GPR periodontics and prosthodontics faculty to share clinically relevant multidisciplinary information. Patient diagnostic evaluations and treatment plans are evaluated in an interactive environment. Topics involving new advancements are presented and discussed..

#### **DPER 9216 Pharmacology V 0.8 cr.**

Review General Principles: Current pharmacology for the medical management of pain, infection, & selected systemic diseases; & adverse drug events. Based on top 200 drugs dispensed by US community pharmacies for prevention, diagnosis, and treatment of disease, reference/dent.

#### **DPER 9219 Dental and Medical Emergency Management 0.6 cr.**

This is a pragmatic course to familiarize the resident with dental and medical emergencies that may present during patient care. Major texts on medical emergency management and the medically compromised patient are used as a guideline.

### **Third Year, Spring Semester**

#### **DPER 9300 Periodontics Specialty Clinic 9 7.8 cr.**

In this postdoctoral course, students receive experiences with all accepted methods of periodontal treatment, dental implantology, and periodontal plastic procedures.

#### **DPER 9301 Periodontal Current Literature 3C 2.0 cr.**

This postdoctoral course encompasses a review of the latest dental and medical journals for the most recent information related to the art, science, and practice of periodontics. Students prepare abstracts to be and discussed at scheduled seminars.

#### **DPER 9303 Periodontal Literature Review Seminar 7 3.3 cr.**

In this postdoctoral seminar course, relevant readings in the periodontal literature relating to specific topics are assigned and critically discussed.

#### **DPER 9304 Periodontal Case Presentations Seminar 3B 1.8 cr.**

In this postdoctoral course, residents prepare and present a complete documentation database, diagnosis/prognosis, treatment plan, treatment procedures, and evaluation of treatment results in formal case presentations simulating the oral examination for the American Board of Periodontology.

#### **DPER 9305 Periodontal Research 7 3.0 cr.**

Course requires student to select a research topic, define a research question, do a literature search on the topic, organize a research project, carry out the project, collect and analyze the results, and write a publishable manuscript on the project.

#### **DPER 9308 Ethics and Practice Management 3 0.6 cr.**

This course provides the periodontal resident with the information needed for successful personal, financial, and practice management. Curriculum will rotate over a three-year cycle to include personal financial management, human resources, accounting, legal and dental practice management.

#### **DPER 9315 Interdisciplinary Course 3C 2.3 cr.**

Seminar includes residents from GPR and Graduate Periodontics and GPR periodontics and prosthodontics faculty to share clinically relevant multidisciplinary information. Patient diagnostic evaluations and treatment plans are evaluated in an interactive environment. Topics involving new advancements are presented and discussed.

#### **DPER 9316 Pharmacology VI 0.8 cr.**

Review General Principles: Current pharmacology for the medical management of pain, infection, & selected systemic diseases; & adverse drug events. Based on top 200 drugs dispensed by US community pharmacies for prevention, diagnosis, and treatment of disease, reference/dent.