Preventive and Community Dentistry Courses (PCD)

This is a list of all preventive and community dentistry courses. For more information, see Preventive and Community Dentistry.

PCD:8116 Fundamentals of Clinical Dentistry 1 s.h.
Identification of health and disease in the mouth; practical methods of disease control, philosophy of preventive dentistry; patient assessment, clinical diagnosis.

PCD:8117 Cariology and Preventive Therapies 2 s.h.
Principles of research design; introduction to microbiology and immunology; principles of oral microbiology with an emphasis on plaque development; microbiology of caries; coronal and root caries disease processes; dental caries epidemiology; roles of saliva and diet in dental health and disease; radiographic interpretation and clinical diagnosis; dental fluorosis; preventive dentistry treatment planning. Prerequisites: PCD:8116.

PCD:8118 Preventive Dentistry Assessment and Patient Care 3 s.h.
Patient oral assessment, communication, patient management skills; preventive dentistry risk assessment, oral hygiene instruction for collegiate recall patients; skills in instrumentation for detection, removal of calculus deposits. Prerequisites: PCD:8116 and PCD:8117.

PCD:8119 Behavioral Science I, Interprofessional Education, and Ethics 2 s.h.
Introduction to patient-centered care, interpersonal and professional communication with patient, information exchange, preventive treatment plan formulation in patient encounters, and ethics.

PCD:8120 Foundations for Critical Thinking I 2 s.h.
Fundamentals of evidence-based dentistry and treatment planning, integrating information taught concurrently in the dental curriculum.

PCD:8128 Foundations for Critical Thinking II 1 s.h.
Continuation of PCD:8120; evidence-based dentistry, critical thinking and treatment planning sessions; online and small group sessions. Prerequisites: PCD:8120.

PCD:8219 Behavioral Science II and Interprofessional Education 2 s.h.
Continuation of PCD:8119; assessing patient understanding of practices for improving/maintaining oral health; overview of patient challenges to effective communication; application of behavioral science principles in dentistry and behavior theories. Prerequisites: PCD:8119.

PCD:8245 Clinical Preventive Dentistry 0,2 s.h.
Experience providing complete prophylaxis and preventive services for college patients; application of nutrition principles and communication skills in a clinic setting. Prerequisites: PCD:8118.

PCD:8319 Behavioral Science III 1 s.h.
Continuation of PCD:8219; standardized patient exercises with chairside feedback and evaluation of communication skills; participation in small group discussions regarding application of communication skills and behavioral science principles in patient encounters.

PCD:8355 Introduction to Geriatric Dentistry 2 s.h.
Biological, psychological, and social aspects of aging; normal aging and disease processes associated with aging; pathological changes that affect oral health treatment of dental diseases and patient management. Requirements: D.D.S. enrollment or completion of dental hygiene program. Same as ASP:8355.

PCD:8360 The Practice of Dentistry in the Community I 1-2 s.h.
Issues related to the role of the dental professional at a local and state level, including dental public health, health literacy, cultural competency, and forensic dentistry; the role of the state dental director.

PCD:8361 The Practice of Dentistry in the Community II 1-2 s.h.
Factors that affect the practice of dentistry and the dental profession including health care systems in the U.S. and abroad, Medicaid/Medicare, health/dental insurance, health care delivery systems, malpractice, role of the Iowa Dental Board, dental workforce, and quality of care.

PCD:8370 Application of Critical Thinking 1 s.h.
Continuation of PCD:8219; evidence-based dentistry, critical thinking, treatment planning sessions; online and small group sessions.

PCD:8485 Broadlawns Medical Center arr.
Dental care to low-income patients in a metropolitan hospital-based clinic; community-related assignments; student team experience in Des Moines.

PCD:8488 St. Lukes Dental Health Center arr.
Experience providing clinical and outreach services for low-income children and adults with developmental disabilities at St. Luke’s Hospital, Cedar Rapids; operative and behavioral dental problems, hospital protocol, special needs of low-socioeconomic clients.

PCD:8489 Geriatrics and Special Needs Program arr.
Experience in the Delta Dental of Iowa Geriatric and Special Needs Clinic and the Geriatric Mobile Dental Unit; comprehensive care for medically, physically, intellectually, and/or cognitively compromised adults, functionally dependent elderly nursing home residents with portable dental equipment, and other underserved populations.

PCD:8494 Oral Health Field Clinic 5 s.h.
Extramural experiences developed according to student needs, extramural opportunities.

PCD:8498 International Outreach Program 0 s.h.
Participation in a two-week mission outreach program in Cambodia or Guatemala; requires successful completion of application process; for entering fourth-year dental students.

PCD:8499 International Exchange Program 10 s.h.
International extramural program; students learn about dental care to low-income patients in a metropolitan hospital-based clinic; community-related assignments; student team experience in Des Moines.

PCD:8500 Dental Student Research Honors Program arr.
Experience in conducting research. Requirements: D.D.S. enrollment and approval of mentor and program director.