DENTAL HYGIENE (DH)

SELECTED
DH 280 55 hours of lecture
Selected topics in dental hygiene. Topics vary and course theme and content change to reflect new topics. Because the course varies in content, it is repeatable for credit. Specific topics are listed in the quarterly class schedule. [PNP]

PHARMACOLOGY
DH 282 1 Credit/Unit
11 hours of lecture
Prerequisite: Consent of Dental Hygiene Program.
Introduction to the classification, pharmacodynamics, dosages, and therapeutic effects of drugs most commonly encountered or prescribed by the dental office. Topics include drugs of abuse, autonomic nervous system, gastrointestinal, respiratory, vitamin, and minerals. [GE]

CLINICAL DENTAL HYGIENE TECHNIQUES I
DH 283 6 Credits/Units
33 hours of lecture / 66 hours of lab
Prerequisite: Consent of Dental Hygiene Program.
Basic theory and pre-clinical practice at the introductory level in patient assessment, care planning, management, and periodontal therapy. Includes prevention and control of oral disease and proper safety and infection control procedures. [GE]

CLINICAL DENTAL HYGIENE TECHNIQUES II
DH 285 3 Credits/Units
22 hours of lecture / 66 hours of lab
Prerequisite: Consent of Dental Hygiene Program.
Introduction to the evaluation of medical/dental histories in preparation for dental hygiene treatment. Includes the most commonly encountered oral and systemic diseases, pertinent drugs, and introduction in managing dental/medical emergencies. Prerequisite: Consent of Dental Hygiene Program [GE]

PERIODONTICS
DH 286 3 Credits/Units
33 hours of lecture
Prerequisite: Consent of Dental Hygiene Program.
Anatomy, embryology, and histology of the human dentition and surrounding oral structures as they apply to the practice of dental hygiene. Emphasis on tooth development and associated vocabulary, tooth identification and differentiation, and tooth numbering systems. [GE]

DENTAL ANATOMY
DH 287 3 Credits/Units
33 hours of lecture
Prerequisite: Consent of Instructional Unit.
Opportunity to plan, organize and complete special projects approved by the department. [GE] [PNP]

INTRODUCTION TO DIGITAL MANAGEMENT SYSTEMS
DH 292 1 Credit/Unit
22 hours of lab
Prerequisite: Consent of Dental Hygiene Program.
An introduction to axiUm - the digital management system designed for dental patient records, student clinical assessments, and radiography. Students will learn to navigate the system, enter data pertaining to clinical patient treatment, and track clinical skills assessments. [GE]

INTRODUCTION TO DENTAL MATERIALS/ASSISTING
DH 301 3 Credits/Units
22 hours of lecture / 22 hours of lab
Prerequisite: Consent of Dental Hygiene Program.
Introduction to properties and manipulation of basic restorative materials including resin, bases, liners, varnishes, cements, and sealants. Introduction to four-handed chairside assisting, study model preparation, and pit and fissure sealant application. Clinical practice through assisting in restorative situations. [GE]

HEAD AND NECK ANATOMY
DH 303 3 Credits/Units
33 hours of lecture
Prerequisite: Consent of Dental Hygiene Program.
Embryological, histological, and anatomical development of the head and neck as it applies to the practice of dental hygiene. [GE]

EDUCATIONAL THEORY AND APPLICATION
DH 304 2 Credits/Units
22 hours of lecture
Prerequisite: Consent of Dental Hygiene Program.
Survey of principles and concepts of teaching and learning and use of motivational techniques as they apply to both group and individual education and cultural differences. Students will develop skills as a dental health educator and dental health resource person. [GE]

CLINICAL DENTAL HYGIENE TECHNIQUES III
DH 313 6 Credits/Units
17 hours of lecture / 99 hours of lab
Prerequisite: Consent of Dental Hygiene Program.
Clinical practice in oral prophylaxis, preventive procedures, and patient management at the introductory level. [GE]

CLINICAL DENTAL HYGIENE TECHNIQUES IV
DH 314 6 Credits/Units
17 hours of lecture / 99 hours of lab
Prerequisite: Consent of Dental Hygiene Program.
Clinical practice at the introductory and developmental levels in patient assessment, care planning, management, and periodontal therapy. Includes prevention and control of oral disease and proper safety and infection control procedures. [GE]

CLINICAL DENTAL HYGIENE TECHNIQUES V
DH 321 4 Credits/Units
97 hours of lab
Prerequisite: Consent of Dental Hygiene Program.
Clinical practice at the introductory and developmental levels in patient assessment, care planning, management, and periodontal therapy. Includes prevention and control of oral disease and proper safety and infection control procedures. [GE]
**ORAL RADIOLOGY I**

DH 323

22 hours of lecture

**Prerequisite:** Consent of the Dental Hygiene Program.

Radiographic theory, equipment, patient safety, and techniques for exposing, processing, and mounting dental radiographs. [GE]

**ORAL RADIOLOGY II**

DH 324

1 Credit/Unit

22 hours of lecture / 22 hours of lab

**Prerequisite:** Consent of the Dental Hygiene Program.

Second in a series on radiographic theory application and radiographic image interpretation. Continued experience in exposing, processing and mounting, and critiquing dental radiographs. [GE]

**ORAL RADIOLOGY III**

DH 331

2 Credits/Units

33 hours of lecture

**Prerequisite:** Consent of the Dental Hygiene Program.

Third in a series on radiographic theory application and image interpretation. Includes principles of radiation biology, quality assurance, radiation health and protection. Introduction of principles of contemporary panoramic radiographic techniques and comprehensive analysis of panoramic images. [GE]

**GENERAL AND ORAL PATHOLOGY**

DH 344

3 Credits/Units

11 hours of lecture

**Prerequisite:** Consent of the Dental Hygiene Program.

Fundamentals of oral pathology including the inflammatory processes, tumor development, metabolic pathways and developmental disturbances. [GE]

**ETHICS AND THE PROFESSION**

DH 353

1 Credit/Unit

11 hours of lecture

**Prerequisite:** Consent of the Dental Hygiene Program.

Basic ethical principles and ethical problem solving methods. Includes the Principles of Ethics of the American Dental Hygienist Association and Washington State Laws applicable to the practice of dental hygiene. These elements will enable the student to apply professional attitudes and judgments when treating clinical patients. [GE]

**LOCAL ANESTHESIA & PAIN CONTROL**

DH 364

4 Credits/Units

25 hours of lecture / 33 hours of lab

**Prerequisite:** Consent of the Dental Hygiene Program.

Integration of anatomy, physiology, pharmacology and the most commonly encountered emergency procedures as they apply to the administration of local anesthesia. Clinical practice in the administration of local anesthesia is a required component of the course. Weekly clinical lab practice focuses on the 8 most commonly administered injections. [GE]

**CARIOLOGY**

DH 373

2 Credits/Units

22 hours of lecture

**Prerequisite:** Consent of the Dental Hygiene Program.

Presentation of cause, progression, and prevention of dental caries with an emphasis on fluoride and other remineralization strategies. [GE]

**PHARMACOLOGY I**

DH 383

1 Credit/Unit

11 hours of lecture

**Prerequisite:** Consent of the Dental Hygiene Program.

Continuation of the classification, pharmacodynamics, dosages, and therapeutic effects for drugs most commonly encountered or prescribed by the dental office. Topics include antimicrobial, antifungal, and antiviral medications, opioid and non-opioid analgesics, and cardiovascular medications. [GE]

**PHARMACOLOGY II**

DH 384

1 Credit/Unit

11 hours of lecture

**Prerequisite:** Consent of the Dental Hygiene Program.

Continuation of the classification, pharmacodynamics, dosages, and therapeutic effects for drugs most commonly encountered or prescribed by the dental office. Topics include endocrine, psychotherapeutic, sedative/hypnotic, anti-anxiety, anticonvulsants, ophthalmic, anti-neoplastic, immune function, anti-Parkinson, and Alzheimer’s disease medications. [GE]

**DENTAL PUBLIC HEALTH - RESEARCH METHODS I**

DH 402

2 Credits/Units

11 hours of lecture / 22 hours of lab

**Prerequisite:** Consent of the Dental Hygiene Program.

A systematic approach to the prevention and control of dental disease and the promotion of oral health through organized community efforts. Practical application of public health techniques in the assessment of the community to establish what types of oral health programs are needed. Basic principles of research and the development of the skills required for evaluation of professional research. [GE]

**DENTAL PUBLIC HEALTH - RESEARCH METHODS II**

DH 403

2 Credits/Units

11 hours of lecture / 22 hours of lab

**Prerequisite:** Consent of the Dental Hygiene Program.

Continuation of Dental Public Health - Research Methods I. Advanced application of public health concepts to plan, implement and evaluate oral health programs that prevent and control dental disease and promote oral health for a designated population. Basic principles of research and the development of the skills required for evaluation of professional research. [GE]

**DENTAL PUBLIC HEALTH - RESEARCH METHODS III**

DH 404

1 Credit/Unit

22 hours of lab

**Prerequisite:** Consent of the Dental Hygiene Program.

Continuation of Dental Public Health - Research Methods II. Implementation and evaluation of oral health programs at a variety of community settings. Basic principles of research and the development of the skills required for evaluation of professional research. [GE]

**CLINICAL DENTAL HYGIENE TECHNIQUES V**

DH 412

9 Credits/Units

198 hours of lab

**Prerequisite:** Consent of the Dental Hygiene Program.

Introduction to development level of advanced instrumentation and patient treatment techniques. [GE]

**CLINICAL DENTAL HYGIENE TECHNIQUES VI**

DH 413

9 Credits/Units

198 hours of lab

**Prerequisite:** Consent of the Dental Hygiene Program.

Developmental level of advanced instrumentation and patient treatment techniques. [GE]
### CLINICAL DENTAL HYGIENE TECHNIQUES VII

**DH 414**  
9 Credits/Units  
198 hours of lab  
Demonstration and integration of advanced skills and knowledge with an emphasis on preparation for the practice of dental hygiene. Prerequisite: Consent of the Dental Hygiene Program  
[GE]

**RESTORATIVE DENTISTRY I**

**DH 431**  
2 Credits/Units  
11 hours of lecture / 22 hours of lab  
Prerequisite: Consent of the Dental Hygiene Program.  
Introduction to restorative techniques with emphasis on placement of amalgam and clinical experience with sealant application.  
[GE]

**RESTORATIVE DENTISTRY II**

**DH 432**  
5 Credits/Units  
22 hours of lecture / 66 hours of lab  
Prerequisite: Consent of the Dental Hygiene Program.  
Laboratory practice in expanded duties as allowed by Washington State law. Emphasis on placement of amalgam and composite restorations.  
[GE]

**RESTORATIVE DENTISTRY III**

**DH 433**  
4 Credits/Units  
11 hours of lecture / 66 hours of lab  
Prerequisite: Consent of the Dental Hygiene Program.  
Clinical and laboratory practice in expanded duties as allowed by Washington State law. Topics include restorative dentistry and associated procedures, dental analgesia, local anesthetic, current dental material evaluation and product selection for use in clinical practice.  
[GE]

**RESTORATIVE DENTISTRY IV**

**DH 434**  
3 Credits/Units  
11 hours of lecture / 44 hours of lab  
Prerequisite: Consent of the Dental Hygiene Program.  
Mastery of restorative skills to include clinical and lab practice in expanded duties as allowed by Washington State law. Emphasis on restorative capstone project, encompassing depth and breadth of knowledge acquired from supportive course work.  
[GE]

**SPECIAL NEEDS POPULATIONS I**

**DH 451**  
1 Credit/Unit  
11 hours of lecture  
Prerequisite: Consent of the Dental Hygiene Program.  
Issues regarding techniques and strategies for identifying, assessing, and treating patients with special needs and developing technological expertise to access special needs information through various media.  
[GE]

**SPECIAL NEEDS POPULATIONS II**

**DH 452**  
1 Credit/Unit  
11 hours of lecture  
Prerequisite: Consent of the Dental Hygiene Program.  
Researching academic, behavioral, and clinical techniques to determine the performance necessary in all phases of patient treatment for a population with special needs.  
[GE]

**SPECIAL NEEDS POPULATIONS III**

**DH 453**  
1 Credit/Unit  
11 hours of lecture  
Prerequisite: Consent of the Dental Hygiene Program.  
Expansion of the research in academic, behavioral, and clinical techniques through the development and presentation of a table clinic in order to determine the performance necessary in all phases of patient treatment for a population with special needs.  
[GE]