

Course Descriptions

>DA141 - Dental Radiology

Credits - 4 Lecture - 3 Lab - 1

Introduces dental radiology concepts including historical background, terminology, principles of dental radiology, legal aspects regarding use of radiation, basic physics associated with x-rays and biological effects of x-rays. Includes practical instruction on and sizes health and safety, infection control procedures, anatomical landmarks, types and sizes of x-ray film, darkroom processing, film mounting, examination and operation of a dental x-ray unit with beginning practice of film placement and exposure techniques on mannequins.

Prerequisite: MTH 025

Admission to the dental program and/or instructor approval.

>DA142 - Dental Radiology

Credits - 3 Lecture - 2 Lab - 1

Continued study and clinical practice with the principles of dental radiography techniques including: bisecting, paralleling, bitewing, panelipse exposure on adult patients, and other exposure techniques for the edentulous patient. The identification of possible abnormalities seen on a radiograph are viewed and discussed.

Prerequisite: DA141

>DA143 - Dental Radiology

Credits - 1 Lab - 1

Provides a concentrated clinical application of dental radiographic procedures studied in previous courses in preparation for the Dental Assisting National Board Radiation Examinations.

Prerequisite: DA142

>DA151 - Chairside Procedures

Credits - 3 Lecture - 2 Lab - 1

Introduction to and practice of basic chairside assisting procedures including disease transmission, disinfection and sterilization procedures, OSHA compliance procedures, patient preparation, oral evacuation, equipment and instrument identification, instrument transfer, and restorative operative dental procedures.

Admission to the dental program and/or instructor approval.

>DA152 - Chairside Procedures

Credits - 3 Lecture - 2 Lab - 1

A presentation of the theory and practice of new procedures and review of oral evacuation, instrument transfer, and infection control procedures. Includes discussion, demonstration, and practical application of the following: alginate impressions, dental dam placement and removal, bite registration, suture removal, introduction to tofflemire matrix and wedge placement, and coronal polish.

Prerequisite: DA151

>DA153 - Chairside Procedures

Credits - 2 Lecture - 1 Lab - 1

Covers theory and practice of procedural responsibilities delegated to the dental auxiliary as outlined in the current Oregon Dental Practice Act for the Expanded Function Duty Assistant. Includes discussion, demonstration, practical lab experience, and clinical application.

Prerequisite: DA142, 152, 162

>DA154 - Dental Specialties

Credits - 2 Lecture - 2

Covers various specialties of dentistry and new, emerging technologies, their principal procedures, instrument identification, tray setups, and post-operative care instructions.

Prerequisite: DA151

>DA162 - Clinical Practice

Credits - 4 Other - 4

Course designed to provide supervised clinical experience in basic chairside assisting procedures, including material manipulation, oral evacuation, instrument transfer, charting, and patient management in a local dental office.

Prerequisite: DA151

>DA163 - Clinical Practice

Credits - 8 Other - 8

Provides dental assisting students with continued supervised work experience in a dentist's office. Students assist with operative procedures, exposing and processing dental radiographs, dental laboratory procedures, and performing business office procedures.

Prerequisite: DA162

>DA166 - Clinical Practice Seminar

Credits - 1 Lecture - 1

Seminar discussions to be held on various aspects of spring term internships in local dental offices. Employment opportunities, résumé writing, completing job applications, and interviewing skills are covered.

Admission to the dental program and/or instructor approval.

>DA170 - Basic Dental Science

Credits - 3 Lecture - 3

The study of systems of the human body, their physiology, as well as bacteriology and embryology as they relate to the oral cavity.

Admission to the dental program and/or instructor approval.

>DA172 - Dental Anatomy

Credits - 4 Lecture - 4

An introduction to the oral cavity. Students will identify the supporting structures, differences, and similarities of individual teeth of both primary and permanent dentition. Utilizing various numbering systems, students will gain skill and knowledge of basic charting symbols and procedures. Blacks' Cavity classification and elements of cavity design are introduced.

Admission to the dental program and/or instructor approval.

>DA174 - Dental Pathology

Credits - 1 Lecture - 1

The study of oral pathology to include normal, diseased, or injured tissues; dental caries; oral inflammation; abscesses, and developmental abnormalities.

Prerequisite: DA170 and DA172

>DA176 - Dental Pharmacology

Credits - 1 Lecture - 1

General aspects of pharmacology; sources, types, purposes, and composition of the drugs. Course includes methods of prescribing and administering various drugs as well as local anesthetics used by the dentist when treating patients.

Admission to the dental program and/or instructor approval.

>DA180 - Dental Materials

Credits - 3 Lecture - 2 Lab - 1

Introduction, demonstration, manipulation, and principal application including physical and chemical properties, preparation, care and storage of materials used in dental offices.

Admission to the dental program and/or instructor approval.

>DA182 - Dental Materials and Procedures

Credits - 2 Lecture - 1 Lab - 1

Introduction to a variety of materials used in the dental office for restorative and specialized procedures. The course includes the various materials, physical and chemical properties, preparation, manipulation, care and storage, as well as laboratory equipment identification, use and safety procedures.

Prerequisite: DA151 and DA180

Symbols:

* - Discipline Studies ^ - Elective
@ - Computer Literacy + - Lab Science
~ - Cultural Awareness > - C/T Elective

>DA190 - Dental Health Education

Credits - 2 Lecture - 2

The attitudes, philosophies, and behaviors of the dental patients along with techniques to motivate and manage their various behaviors. Covers basic concepts of preventive dentistry including the study of plaque-related diseases, brushing and flossing techniques, and fluoride therapy. Basic food groups and nutritional counseling are introduced along with techniques for preparing and evaluating dental health education materials.

Admission to the dental program and/or instructor approval.

>DA192 - Dental Law and Ethics

Credits - 1 Lecture - 1

History, ethics, and legal aspects of dentistry are covered as they are prescribed the American Dental Association and Oregon Practice Act. Designed to acquaint students with the members of the dental team, their roles, educational background, and legal responsibilities and restrictions.

Prerequisite: DA190

>DA194 - Dental Business Office

Credits - 3 Lecture - 2 Other - 1

Designed to prepare the student for management of the dental office, including the study of business office procedures and techniques, written communication, computer use, dental insurance, accounts receivable, recall systems, staff and patient management, and inventory control procedures.

Prerequisite: DA162

>DA196 - Medical Emergencies in the Dental Office

Credits - 1 Lecture - 1

Emphasizes the importance of the health history, treatment of the medically compromised patient, and the influence a medical emergency may have on the patient during clinical treatment. Signs and symptoms are studied for handling medical emergencies. Course content also includes vital signs and emergency medical equipment usage.

Admission to the dental program and/or instructor approval.

Symbols:

* - Discipline Studies ^ - Elective
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~ - Cultural Awareness > - C/T Elective