Miami Dade College

Course Description

DES 1200 | Dental Radiology | 2.00 credits

An introduction to the fundamentals of radiology science as applied to dentistry. Special emphasis will be given to radiation physics, hazards, biological effects, and protection and control methods. Also, included are radiographic interpretation, and proper techniques for exposing, processing and mounting radiographs.

Course Competencies

Competency 1: The student will demonstrate the knowledge and comprehension of the historical development of dental radiography by:

1. Discussing the chronological development of radiography
2. Identifying the discoverers and their contributions to radiography
3. Explaining the uses of dental radiographs

Competency 2: The student will demonstrate the knowledge, comprehension and evaluation of intraoral and extraoral radiographic projections by:

1. Comparing and contrasting the different types of intraoral and extraoral radiographic projections
2. Identifying the purposes of the different types of radiographic projection

Competency 3: The student will demonstrate the knowledge, comprehension and evaluation of the principles of paralleling and bisecting techniques by:

1. Explaining the principles of paralleling and bisecting techniques
2. Comparing and contrasting the similarities and differences of the paralleling and bisecting techniques

Competency 4: The student will demonstrate the knowledge, comprehension and application of infection control within dentistry by:

1. Discussing the various film types and sizes
2. Describing the part/whole structure and chemistry of an x-ray film and cassette
3. Discussing the formation of the latent image

Learning Outcomes:

- Communicate effectively using listening, speaking, reading, and writing skills
- Use quantitative analytical skills to evaluate and process numerical data
- Formulate strategies to locate, evaluate, and apply information