

Course Description

DES0103 | Dental Materials | 2.00 credits

This course provides a study of the properties, manipulation, and care of materials used in the prevention and treatment of oral disease. It will include the study of physical, mechanical, chemical, and biological characteristics of materials.

Course Competencies

Competency 1: The student will demonstrate knowledge of restorative and esthetic dental materials by:

1. Describing the uses, properties and manipulation of dental materials used in restorative, prosthetic, preventative and other dental specialties
2. Identifying the correct equipment used to manipulate restorative and aesthetic dental materials
3. Discussing the chemical, physical, and biological properties of various dental materials

Competency 2: The student will demonstrate knowledge of dental liners, bases, and bonding systems by:

1. Describing the manipulation of dental cements, bases, liners, and amalgam in relation to restorative dentistry
2. Differentiating the various types of dental cements
3. Identifying the correct equipment used to place dental liners, bases, and bonding

Competency 3: The student will demonstrate knowledge of laboratory material and procedures by:

1. Describing the materials used with taking dental impressions
2. Explaining the different types of casting material used to make a study case
3. Identifying the materials used to fabricate study models, custom impressions tray and athletic mouth guard

Learning Outcomes:

- Solve problems using critical and creative thinking and scientific reasoning