HDA 113 - DENTAL MATERIALS LAB

Course Description

This course familiarizes the student with the handling of dental materials commonly used in the dental office. Opportunities are provided in the laboratory to develop skills in mixing techniques, impression taking, digital scanning, construction of study models, bleach and acrylic trays, and cleaning and polishing appliances. Group 2 course.

Credit Hours

1

Contact Hours

2

Lab Hours

2

Corequisites

HDA 112

Course Learning Outcomes

Knowledge:

- Explain the various types of impressions and dental models.

Application:

- Demonstrate ability to take maxillary and mandibular alginate impressions, including teeth and soft tissues, according to lab evaluation provided in class.
- Construct plaster and stone study models according to lab evaluation provided in class.
- Construct full and quadrant custom trays from acrylic resins according to lab evaluation provided in class.
- Construct custom bleaching trays according to lab evaluation provided in class.
- Demonstrate ability to clean and polish acrylic prosthetic appliances according to guidelines provided in class.
- Demonstrate their ability to capture maxillary and mandibular impressions, including teeth and soft tissue, using a digital scanner.

Integration:

- Critique work completed by applying rubric criterion to project.

Human Dimension:

- Observe other student's interactions when performing tasks on patients to analyze procedures.

Caring - Civic Learning:

- Engage with patients to relay importance of functions being performed and safety of procedures.

Learning How to Learn:

- Identify sources of information on dental lab materials that will assist the student with being successful on board exams.