

NorthWest Arkansas Community College
Standard Course Outline / Division of Health Professions

Course Number and Title

DNTA 1313 Dental Materials I

Course Description:

Provides students with an understanding of dental materials used in intraoral and lab procedures and experience in manipulation. This course is a study of the physical properties and origin of dental materials. Laboratory experiences are designed to develop competency in skills of identification, manipulation, and application of the materials in dental procedures. Emphasis is on cements and restorative materials.

Prerequisite:

Students must be enrolled as a student at NWACC. English and Math ACT score of 19 or equivalent. Must be currently enrolled in Dental Assisting Program. Prior coursework in anatomy, physiology, and medical terminology is suggested but not required. Interview and permission of Dental Assisting Program Director is required.

Credit Hours

Three (3) credit hours that may not be transferable to other institutions.

Target Audience

Adults admitted to the Dental Assisting Program

Student Learning Objectives:

Upon successful completion of this course the student will be able to:

- Identify restorative and esthetic dental materials.
- Identify direct and indirect restorations.
- Identify bases, liners, cements, and bonding systems.
- Explain the process of restorative dentistry.
- Demonstrate use of matrix systems.

Topics:

- Restorative and Esthetic Dental Materials
- Dental Liners, Bases, and Bonding Systems
- Dental Cements
- General Dentistry Procedures
- Matrix Systems for Restorative Dentistry

Required assessment:

- Observation with instructor evaluation in lab setting
- Observation with instructor evaluation in clinical setting
- Unit exams
- Comprehensive final exam