

# DA 131 : DENTAL MATERIALS II

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## Transcript title

Dental Materials II

## Credits

4

## Grading mode

Standard letter grades

## Total contact hours

60

## Lecture hours

20

## Other hours

40

## Prerequisites

DA 130.

## Corequisites

DA 150, DA 160, DA 182, DA 191.

## Course Description

Provides a fundamental knowledge of the materials commonly used in dental practice, including the physical, chemical, and manipulative characteristics of cements, bases, cavity liners, cavity varnishes, composites, and resins. The laboratory component offers experience in the correct manipulation of these materials. Covers the skills of cleaning and polishing removable prostheses, and the fabrication of several types of provisional restorations. The didactic portion examines restorative options such as crowns, bridges, inlays, onlays, full dentures, and partial dentures.

## Course learning outcomes

1. Discuss the physical and chemical composition and characteristics of a variety of dental materials.
2. Fabricate custom impression trays for use with crown, bridge, and removable prosthodontics.
3. Produce acrylic, polycarbonate, and preformed aluminum provisional full coverage restorations.
4. Explain the indications and contraindications for the use of various dental materials.
5. Prepare dental materials; cements, bases, liners, composites, and waxes for use in dental care and treatment.
6. Demonstrate the manipulation of final impression materials during a crown preparation procedure.