

DENTAL MATERIALS SCIENCE (DMS)

DMS 7191. Introductory Principles of Materials Science. 1 Credit Hour.

Introduction to structures and properties of materials; behavior of ceramics, polymers and metals; fundamentals of composite and alloy structures; physical and chemical properties as related to structure.

Course Type: Lecture

DMS 7291. Applied Dental Materials I. 1 Credit Hour.

Prerequisites: DMS 7191 (Introductory Principles of Materials Science)

Composition, Manipulation and properties of dental bonding systems, cements, impression materials, finishing and polishing materials, tooth bleaching systems, and materials used in the dental casting procedure. Introduction to physical, chemical, and clinical properties of dental materials; terminology, dental uses, composition, laboratory and clinical manipulation, and current research.

Course Type: Lecture

DMS 7391. Applied Dental Materials II. 1 Credit Hour.

Continuation of Applied Dental Materials I, with emphasis on impression materials, noble and non-noble alloys, porcelain, dental casting procedures, and overview of present uses of dental materials.

Course Type: Lecture

DMS 8990. Special Studies. 0-6 Credit Hours.

Prerequisites: None Special topics

Course Type: Lecture