

DENT1100 - Biomaterials

Credits:	3 (2/1/0)
Description:	This is a foundation course that provides in-depth instruction and practice in identifying the materials and their purposes and properties as they are used during chairside and laboratory procedures. Material manipulation is a critical requirement of the lab component of this course. Laboratory safety measures and infection control are emphasized.
Prerequisites:	
Corequisites:	
Pre/Corequisites*:	
Competencies:	<ol style="list-style-type: none">1. Demonstrate safe laboratory infection control practices.2. Describe physical properties of laboratory materials.3. Discuss prosthesis cleaning and polishing techniques.4. Demonstrate study model construction trimming and polishing.5. Manipulate bite registration materials and waxes.6. Demonstrate proper manipulation of dental impression materials.7. Describe dental restorative materials and procedures.8. Fabricate custom dental trays such as an athletic mouthguard, whitening/fluoride tray or thermoset tray.9. Describe properties and uses of dental cements.10. Describe metallic and porcelain restoration types and their properties and procedures.11. Discuss mercury properties, precautions and safe practices.
MnTC goal areas:	None

*Can be taking as a Prerequisite or Corequisite.