

## 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"> <li>1. Demonstrate safe laboratory infection control practices.</li> <li>2. Describe physical properties of laboratory materials.</li> <li>3. Discuss prosthesis cleaning and polishing techniques.</li> <li>4. Demonstrate study model construction trimming and polishing.</li> <li>5. Manipulate bite registration materials and waxes.</li> <li>6. Demonstrate proper manipulation of dental impression materials.</li> <li>7. Describe dental restorative materials and procedures.</li> <li>8. Fabricate custom dental trays such as an athletic mouthguard, whitening/fluoride tray or thermoset tray.</li> <li>9. Describe properties and uses of dental cements.</li> <li>10. Describe metallic and porcelain restoration types and their properties and procedures.</li> <li>11. Discuss mercury properties, precautions and safe practices.</li> </ol>
MnTC goal areas:	None

\*Can be taking as a Prerequisite or Corequisite.