

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

\*Can be taking as a Prerequisite or Corequisite.