# DENT1100 - Biomaterials

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

**Can be taking as a Prerequisite or Corequisite.*

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