COURSE NO:  DH 322L-1: Dental Material Lab

COURSE INSTRUCTOR:  TBD

INSTRUCTOR CONTACT INFORMATION:
Telephone:  TBD
E-mail:  TBD
Office Location:  TBD
Office Hours:  TBD

COURSE DESCRIPTION:
Adjunctive procedures that augment operative care are taught in this laboratory. Two hours of lab. Must be taken concurrently with DH 322. Prerequisite: DH 320, DH 320C. Restricted to DH majors only and approval from the School of Allied Health or the DH program. Laboratory fee: $50.

COURSE OBJECTIVES:
Upon completion of this course, the student will be able to:
1. Identify and describe physical properties and biological characteristics that must be considered when using materials in dentistry;
2. Identify various procedures, techniques, and materials used in different aspects of restorative and preventive dentistry;
3. Classify materials studied according to their use in dentistry;
4. Demonstrate proper care and storage of dental materials;
5. Utilize knowledge of the properties and characteristics of dental materials as needed in modifying dental hygiene treatment;
6. Identify sources for obtaining current information on dental materials;
7. Demonstrate through laboratory experience, procedures considered adjunctive to operative oral

CONTENT OUTLINE:

<table>
<thead>
<tr>
<th>Topics</th>
<th>~Percentages</th>
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<tbody>
<tr>
<td>I. Course Overview</td>
<td>1%</td>
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<tr>
<td>II. Properties of Materials Used in Dentistry</td>
<td>4%</td>
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<td>III. Preventive Materials</td>
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<tr>
<td>A. Impression materials</td>
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<td>B. Model and die materials</td>
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<td>C. Athletic mouth protectors</td>
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<td>IV. Restorative Dentistry: Materials and Procedures</td>
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<tr>
<td>A. Cavity design</td>
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<tr>
<td>B. Bonding</td>
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</table>
C. Esthetic restoratives
D. Amalgam restoratives
   1. amalgam polishing
   2. margination
E. Cements, bases, liners

V. Cosmetic Dentistry 15%
   A. Bonding
   B. Bleaching

VI. Fixed Prosthetics 10%
   A. Crowns and bridges
   B. Implants

VII. Removable Prosthetics 15%
   A. Dentures
   B. Partial dentures

VIII. Specialty Materials
   A. Endodontics
      1. rubber dams
   B. Orthodontics
      1. orthodontic appliances
      2. debonding

IX. Four-handed Dentistry 10%

TEXTBOOKS:

Required: