This outline is intended solely for use of candidates interested in seeking certification with the National Board for Certification in Dental Laboratory Technology. NBC reserves the right to amend the information contained in this document. This outline was last revised in June of 2016.

The materials in this document are protected under provisions of US Copyright law. Any unauthorized distribution, reproduction or use by any means is strictly prohibited by law without prior written permission from the copyright owners.

### Create Master Casts from Stock and/or Custom Tray Impressions

*15 - 17% of written exam questions are from this domain*

- Recognize contraindications for materials/case design
- Construct master cast
- Identify anatomical landmarks
- Identify the requirements for a posterior palatal seal

### Design and Manufacture Record Base Plate & Occlusal Rim

*5 - 7% of written exam questions are from this domain*

- Identify the requirements for the manufacture of the base plate
- Identify the requirements for the manufacture of the occlusal rim

### Select and Arrange Artificial Teeth

*16 - 18% of written exam questions are from this domain*

- Index and articulate casts
- Select anterior and posterior denture teeth
- Set-up anterior and posterior denture teeth
- Create anatomical wax contours of the denture base

### Process the Denture

*14 - 16% of written exam questions are from this domain*

- Denture investment techniques
- Mold preparation techniques
- Processing techniques

### Finish & Polish Complete Denture

*15 - 17% of written exam questions are from this domain*

- Divest the denture
- Remount the denture
- Equilibrate
- Construct a remount cast and index
- Finish the denture
- Polish the denture

### Procedures for Repairs and Alterations for Complete Dentures

*13 - 15% of written exam questions are from this domain*

- Rebase denture
- Reline denture
<table>
<thead>
<tr>
<th>Task</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Repair denture</td>
<td></td>
</tr>
<tr>
<td>Duplicate denture</td>
<td></td>
</tr>
<tr>
<td>Manufacture immediate denture</td>
<td></td>
</tr>
<tr>
<td><strong>Selection and Application of Materials and Equipment for Removable</strong></td>
<td><em>(14 - 16% of written exam questions are from this domain)</em></td>
</tr>
<tr>
<td>Prosthetics</td>
<td></td>
</tr>
<tr>
<td>Understand properties and application of flexible materials</td>
<td></td>
</tr>
<tr>
<td>Understand properties and application of waxes</td>
<td></td>
</tr>
<tr>
<td>Understand properties and application of resins</td>
<td></td>
</tr>
<tr>
<td>Understand safety protocols for the use and storage of hazardous</td>
<td></td>
</tr>
<tr>
<td>materials</td>
<td></td>
</tr>
<tr>
<td>Identify the use of instruments and equipment (e.g., traditional,</td>
<td></td>
</tr>
<tr>
<td>digital)</td>
<td></td>
</tr>
</tbody>
</table>